I. Advising Philosophy and Foundations

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Advising Mission and Responsibilities

Mission: Academic advising is an important part of the learning process at Messiah College that encourages students to discern and develop their interests and talents in preparation for professional and community engagement. As part of a "carefully mentored, Christ-centered journey of the intellect and spirit," advisors assist students in their intentional exploration and planning of educational opportunities. This relationship is perhaps best thought of as a partnership between students and educators: students are personally responsible for planning their academic program and co-curricular involvement to meet all graduation requirements and develop their sense of vocation; advisors help students make good choices compatible with their academic plans and life goals.

Academic Advisors should:

- understand QuEST (general education) requirements, major requirements, as well as the overlap between the two;
- understand academic policies and procedures; able to apply them to student circumstances.
- assist students to establish academic goals compatible with the student's life goals;
- encourage students to enhance academic performance and seek academic challenges;
- assist students to develop course schedules which consider the student's academic goals and background;
- monitor student academic progress and encourage good academic work;
- encourage students to pursue appropriate educational opportunities;
- refer students to appropriate resources available to help students:
 - o solve individual problems (e.g., Engle Center, Student Affairs, Learning Center, Writing Center, Financial Aid, and Disability Services);
 - o identify, plan and explore educational opportunities (e.g. Intercultural Office, Career and Professional Development Center, Agape Center, Student Leadership and Involvement, Collaboratory, etc.);
- encourage student applications, if appropriate, for scholarships and awards—following student inquiry;
- evaluate the advising system, when requested, in order to strengthen the advising process.

Students should:

- accept full ownership for all academic decisions -- academic advisors will assist by presenting options and identifying resources;
- prepare for advising sessions and bring appropriate resources or materials (i.e. pen/digital device timetable of classes, catalog, completed registration form, etc.);
- contact and make an appointment with an advisor when in need of assistance;
- follow through on actions identified during each advising session or other communication;
- clarify personal values, abilities, interests, and goals during their time at Messiah;
- become knowledgeable of and adhere to institutional policies, procedures, and requirements;
- review eligibility requirements for scholarships and awards and when appropriate, discuss options with advisor in a timely manner:
- evaluate advisors and the advising system when requested, in order to strengthen the advising process.

Foundations of Advising

- In order to earn a bachelor degree, students must complete all major and QuEST requirements with a minimum of a total of 123 credit hours.
 - Always use the credit totals at the top of each block to evaluate progress towards completion.
 Do NOT add up the blocks themselves, as some courses may meet multiple requirements.
- The last 30 credits preceding graduation must be earned at Messiah College.
- To continue at Messiah, students need to maintain a minimum cumulative GPA of 1.80 for the first two semesters, 1.90 for the next two semesters, and 2.00 thereafter. In order to graduate, students must demonstrate a 2.00 minimum GPA for their overall requirements, as well as for their major.
- Students may be completing different years for QuEST than their major.
 - The year a student enters Messiah determines which QuEST requirements they must complete.
 - The year in which a student formally declares their major determines which major requirements the student must meet.
 - For example, a student enters Messiah in 2016-2017. They will follow the QuEST requirements for that year. The same student declares their major during the spring semester of 2018. That student would follow the major requirements for 2017-18 for their major, while following the 2016-17 requirements for QuEST.
- For transfer credits/ off-campus programs/AP:
 - Ensure that courses in the transfer equivalency database meet the needed requirement (do not merely look at course prefix).
 - o For courses not already approved in the transfer equivalency database:
 - Department chairs determine transfer equivalencies for major and minor-related courses.
 - The Registrar's Office and Assistant Dean of General Education, Common Learning and Advising approve transfer equivalencies for QuEST courses based on the course objectives for the relevant requirement.
 - Some OuEST courses have limited transferability:
 - Created and Called for Community MUST be taken at Messiah
 - Ethics/ World Views/ Pluralism and Science, Technology and the World MUST be taken at a similar theological institution
 - Knowledge of the Bible and Christian Beliefs are approved on a case-bycase basis when transferred from non-Christian institutions
 - To determine how AP credits may meet requirements, consult http://www.messiah.edu/info/21351/transfer_ap_clep_courses/2107/apclepib_equivalencies/2

Please take time to review the:

Advising Tips video at https://video.messiah.edu/Watch/Aa6r5CGg

Degree Audit Essentials

Degree Works Audit: Accessed via Falcon Link/ Faculty and Advisors Self Service Menu/ Student Information Menu/ Degree Audits

- The **Degree Works Audit** is a document used internally as a means of communicating degree requirements between the student, their Advisor (academic department) and the Registrar's Office.
- Academic Year is important. This is how the degree audit knows what degree requirements it needs to use to apply. The academic year associated with QuEST (General Education) requirements signifies the year that the student enrolled. The academic year associated with the major or minor should reflect the term in which they declared their area of study.
- Different sections or **blocks** identify the student's Major, Concentration, QuEST requirements, Minor (if applicable), College Honors Program (if applicable), Other/Elective Courses, Insufficient (if the student earned a grade of F or W), and In-Progress.
- The first block tracks the **degree requirements** (i.e. Minimum 123 credits required to graduate, Cumulative GPA of 2.0 or higher, Last 30 credits rule, Major, QuEST, and College Honors Program). The degree block sums up the total credits applied (including those in progress) versus credits required, and displays the number of credits "still needed" to graduate.
- To demonstrate **degree completion**, all major and QuEST requirements must be checked off and all in progress courses completed. In addition to meeting all course requirements, students must earn a minimum of 123 hours of credit, except as noted in the requirements for selected majors.
- Credits include **Completed** (green checkmark), **In Progress** (blue tilde), and **Still Needed** (red check box).
- In Progress courses are counted in the credits applied count.
- Courses that are **Still Needed** will list the number of credits required. You can click on the unmet course requirement (i.e. PSYC 101) for a course description, pre and co-requisites and the semesters it is offered.
- If the degree audit says "Concentration is required but not found" this means that the student must declare the concentration by completing the appropriate declaration form found in the Registrar's Office. Once the concentration is declared and processed, it will be displayed on the degree audit.
- For students who are **double majoring** (*where each major has the same degree type*), both majors will share the same degree audit.
- For students who are double majoring (*where each major has a different degree type*, such as BA and BS), there will be two degree audits. To view the other degree audit, click on the down arrow next to "Degree" at the top of the screen.
- Credits may be displayed in more than one section (i.e. Major and QuEST); however, credits can only be counted one time. Do NOT tally up the credits applied from each block.
- If there is more than one major, minor or concentration, the **credit overlap rule** applies. There must be 24 unique credits for each major, 12 unique credits for each minor, and 8 unique credits for each concentration.
- For students who are currently <u>repeating a course</u> for a better grade, be sure to account for the credit only once. Degree Works cannot remove the original credit and grade until final grades are reported at the end of the semester.
- Students who receive a **waiver** (i.e. Language/cross-cultural) will see that the requirement is checked off; however, credits will not be applied. In this case the student would be expected to fulfill the credits through free elective courses or may declare another area of study (i.e. minor).

Student Access to Degree Audits: Accessed via Falcon Link/ Self-Service Main Menu/ Student Records/ Degree Evaluation (Degree Works)

"What If Audits"

The "What If Audit" is a helpful advising tool for students who are considering changing their major or adding a minor.

- Select the *Degree* associated with the major that is being changed (if different from the existing degree).
- Select the *Academic Year* (this will be the year in which the major is being declared). For example, if the student is declaring a major in Fall 2020, it would be academic year 2020-2021.
- Select the *Major* and *Concentration* that the student intends to declare. To select a concentration, look first for the corresponding major code.
- Select a *Minor* (or multiple minors) if applicable.
- Confirm the Chosen Areas of Study in the population box and click Process What If.
- Click on *Worksheets* to resume normal view of the degree audit.

Helpful Tips

- The What If audit will automatically default to the year in which the student is declaring the area of study. As a result, the QuEST year will change when conducting a "What If." Please note that when a student changes their major, their QuEST year will remain as the term in which they enrolled.
- If a student has yet to declare a major in your department but wishes to meet with you to discuss their options, it is recommended that the student bring their own "What If audit" with them.

Additional Features

- The **Notes feature** will allow the advisor to add a note to the student's audit, which can be marked as internal (viewed only by advisor and the Registrar's Office) or it can be viewed by the student. Access *View Notes* tab to view all notes.
- By selecting the *Format* drop down list at the top of the screen, a **Registration Checklist** sums up the remaining courses needed.

Degree Audit Questions

- For questions or concerns regarding the Degree Works audit, please email: degreecertification@messiah.edu.
- Please note: Requests for exceptions/substitutions/waivers must come from the Department Chair.

Registrar's Office Contact Information

Main Email: registrar@messiah.edu, Main Phone: 717-691-6074

II. QuEST

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The Basics of QuEST

QuEST is based on several assumptions which affect the design and implementation of curriculum.

- The curriculum consists of 54 credits supporting our four learning outcomes. However, students typically complete no more than 50 credits, as all majors have at least one course which also meets QuEST requirements.
- Unless otherwise noted in the curriculum, all courses will have a class enrollment maximum of 37 students per faculty member.
- Courses may be team taught (no more than 3 faculty members). Team-taught courses will provide adequate student discussion and student-faculty dialogue in groups of no more than 35 students.
- Each component of the QuEST curriculum has a set of unique course objectives, by which courses are approved to meet the component of the curriculum. Only courses which meet these objectives, including those taken at other institutions, will satisfy the relevant component.
- Students may not use a course to meet more than one component of the QuEST curriculum; "double-dipping" between categories is not permitted.
- The General Education Committee may approve multiple courses in each section of the curriculum. This approach is based on the assumption that both learning and teaching are facilitated when students are free to choose courses which correspond to personal areas of interest and when professors are free to design and teach courses that grow out of their individual interests and professional expertise.
- Departments may require that all students within a major/department take a single course to meet the objective. Where an approved QuEST course is also specified as a major requirement, it will free a corresponding number of unrestricted elective credit hours for the student. Please consult the major advising sheets for the QuEST components specified by each specific major.

QuEST Curriculum

QuEST, Messiah College's general education program, serves as a curricular progression through which students develop skills, abilities and perspectives necessary to become collaborative agents in the contemporary workforce and society. This progression is intended to complement and parallel the academic majors in a way which allows students to respond with maturity to the world's complexities by raising important questions, exposing students to multiple perspectives and ways of knowing (i.e. arts, humanities, natural sciences, social sciences). In doing so, our curriculum encourages critical thinking and the application of knowledge from diverse disciplines, informed by faith and a sense of purpose, to relevant issues which shape our lives. The curriculum is divided into four outcomes which reflect Messiah's educational objectives.

Area One—Abilities of the Liberal Arts foster the abilities to think, read, write and speak effectively. Individuals who develop these abilities are more flexible and adaptable to the changes of the world across the spectrum of different fields and life experiences. (9 credits)

First Year Seminar (3 credits) Created and Called for Community (3 credits) Oral Communication (3 credits)

Area Two—Knowledge of the Liberal Arts promotes awareness and insight of how people with different perspectives, beliefs and disciplines interpret reality and make meaning. Given that modern society and the workplace involve increasingly complex and global issues, students must develop a breadth of knowledge and the capability for action informed by context and purpose. (35 credits)

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1. Mathematical and Natural Sciences (9 credits)
        Mathematical Science (3)
       Laboratory Science (3)
        Science, Technology, and the World (3)
2. Social Sciences and History (6 credits)
    Two of the following:
        Social Science (3)
       European History (3)
        United States History (3)
3. Humanities and Arts (9 credits)
       Literature (3)
        Arts (3)
        One of the following:
            Religion (3)
           Philosophy (3)
4. Languages and Culture (9 credits)
        One of the following:
           Language (6) two semesters of the same language (6) AND an off-campus, cross-cultural
                studies course (3)
           Language (9) three semesters of the same language (9)
5. Non-Western Studies (2–3 credits)
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Area Three—Christian Faith encourages students to articulate and evaluate one's faith by gaining knowledge of the Bible's content and themes, including the biblical witness of service, leadership and reconciliation, and by understanding how different Christian faith traditions may shape beliefs. Students develop deeper commitments in service to God and to others as they explore connections between faith and learning. (6 credits)

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Knowledge of the Bible (3)
Christian Beliefs (3)
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Area Four—Social Responsibility facilitates deepening self-awareness as students discern and develop their identity, gifts and vocation, as well as Christian character. These academic experiences empower students to act upon their knowledge and judgment through meaningful careers and lives that respond to the complexities of this world. (4 credits)

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Wellness Activity Course (1 credit)
Engaging a Pluralistic World: Interdisciplinary Perspectives (3 credits)
One of the following:
Ethics in the Modern World (3)
World Views (3)
Pluralism in Contemporary America (3)
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Interdisciplinary Courses

Interdisciplinary (ID) courses provide areas of integrated learning in which students wrestle with and address complex questions that face our society, and are woven throughout the curriculum. Throughout their QuEST, students will be challenged to answer these questions by examining different perspectives, theories and experiences in order to arrive at a more discerning conclusion. Students cultivate adeptness in navigating complexity and thinking holistically about these issues in order to reflect upon their own beliefs, as well as bridge values and assumptions of diverse perspectives. In turn, students are empowered to respond to unexpected and ever-changing realities they will encounter in life, work and society.

IDFY 101 First Year Seminar (3)

Faculty from a diverse array of disciplines engage students in conversations that focus on issues central to the college's educational mission -- faith, identity, vocation, character, and responsible action. Courses include opportunities to develop effective writing, close reading, critical thinking, as well as the identification and appropriate use of sources for research. All these skills foster a discerning mind and the effective communication of ideas, which provide an essential foundation upon which one's learning and intellect develop.

Course Description: An introduction to the intellectual life of the college for first-year students. This is done in the context of a small-discussion-oriented seminar designed around specific themes proposed and taught by individual faculty from a variety of academic disciplines. Emphasis is given to developing important academic skills such as writing, reading, and critical thinking.

IDCR 151 Created and Called for Community (3)

In this second course in our writing program students consider the central question, 'What is my vocation as a faithful steward of God's creation?" They seek answers by engaging biblical themes of creation, forgiveness, compassion, peacemaking, and reconciliation through an examination of literary, historical, artistic, philosophical, and theological works using the lens of Messiah College's distinctive foundational values. Our foundational commitments have a particular focus on the importance of community and hospitality, as all peoples are made in the image of God. Students therefore develop the ability to be theologically reflective, to develop an appreciation for their own identity and Christian vocation, and to cultivate their intellect and character in preparation for lives of leadership through service in the world.

Course Description: The central question to be considered is: "What is my vocation as a faithful steward of God's creation?" Through examining literary, historical, artistic, philosophical and theological works, students engage in the biblical themes of forgiveness, compassion, non-violence, peacemaking, justice, and racial and gender reconciliation through the lens of the College's unique religious identity and foundational values, with a particular focus on the importance of community.

IDST 300 Science, Technology and the World (3)

Science and technology influence and impact every aspect of our modern society. An examination of these influences provides students with a significant understanding of how science, technology and the Christian faith complement and challenge one another related to relevant ethical, social, cultural, historical, political or sustainable issues. Therefore, within a Christian context, students gain the ability to contribute to societal discourses on issues and controversies which emanate from advances in science and technology.

Course Description: An interdisciplinary exploration of the nature, methodology, and scope of science with special emphasis on the interrelationship between science and culture.

IDNW 200 Non-Western Studies (2–3)

Studies of non-western cultures furthers students ability to understand and appreciate social customs, traditions, systems of thought and expression in various civilizations such as the Middle East, Asia, Africa, the Caribbean Islands, the Pacific Islands, Latin America and indigenous cultures across the world. In life, the ability to generally understand the context of perspectives, expectations and experiences of cultures different from one's own facilitates effective relationship-building and problem-solving with people of differing backgrounds.

Course Description: An engagement with cultures or people whose heritage and/or present life has been significantly shaped by customs, practices, and ideas outside the European tradition.

IDCC 260 Cross-Cultural Studies (3)

By living in another culture for several weeks or a semester, students have the opportunity to understand the paradoxes, tensions, consistencies and values in a society significantly different from their own. Direct experience within other cultures develops an appropriate sense of self-awareness of one's own cultural assumptions and the pervasiveness of cross-cultural encounters in the human experience. This immersion equips students for appropriate interaction with persons of different social norms, appreciate multiple viewpoints, and recognize the importance of developing mutual trust and respect in cross-cultural interaction when relating to others or living in complex situations.

Course Description: A field-based examination of one or more cultures which seeks to increase the students' appreciation for and understanding of cultural traditions other than their own. Requires three weeks of on-site study, including home-stays or ethnographic fieldwork, in addition to readings, lectures, and site visitations.

WELL 100 Wellness Activity (1)

The activity wellness course equips students to identify the significance of behavior choices in reducing disease risk and improving overall health. A variety of different wellness activity courses provides students with the opportunity to practice skills and develop commitments to lifetime physical activity. Wellness education encourages students to recognize the integrated relationship between spiritual, emotional, physical, relational and intellectual health.

IDET 300 Ethics in the Modern World (3)

This course builds on the concepts introduced in Created and Called for Community: we are made in the image of God, made to live in community and called to serve Him within society. Ethics courses focus students' attention on critically evaluating selected contemporary social and moral issues and incorporating Christian responses to complex problems. Study is designed to help students prepare to engage in the world in which they will live and work, as well as develop and defend ethical perspectives on challenging situations or issues.

Course Description: An examination of various approaches to moral decision-making and an application of these approaches to selected contemporary ethical issues and problems. Prerequisite: IDCR 151

IDWV 300 World Views (3)

This course builds on the concepts introduced in Created and Called for Community: we are made in the image of God, made to live in community and called to serve Him within society. World Views courses prompt students to consider various belief systems and perceptions of reality, as well as how those perceptions have shaped and continue to shape people's lives with special emphasis on how these belief systems compare and contrast with a Christian worldview. Students are spurred to develop and support their own world view, how it applies to contemporary issues and how they may relate to others who may or may not share their perspectives.

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Course Description: An examination of the various belief systems which have and continue to shape people's lives with special emphasis on how these belief systems compare and contrast with a Christian world view. Prerequisite: IDCR 151

IDPL 300 Pluralism in Contemporary Society (3)

This course builds on the concepts introduced in Created and Called for Community: we are made in the image of God, made to live in community and called to serve Him within society. By examining differing perspectives within a society – i.e. religion, race, ethnicity, gender, class, ability – pluralism courses address the effects of inequality, prejudice and discrimination. Engagement with these issues allows students to articulate and practice an informed and faithful Christian response to diversity.

Course Description: An examination of contemporary issues and problems arising out of the racial, ethnic, class, gender, and religious diversity of American society, with a special emphasis on raising the students' awareness of the effects of inequality, prejudice, and discrimination in American society. Prerequisite: IDCR 151

Sequencing of Requirements

The white spaces indicate the time when each of the general education requirements should be taken. When two or more years are indicated, the requirement may appropriately be completed during any of the suggested years.

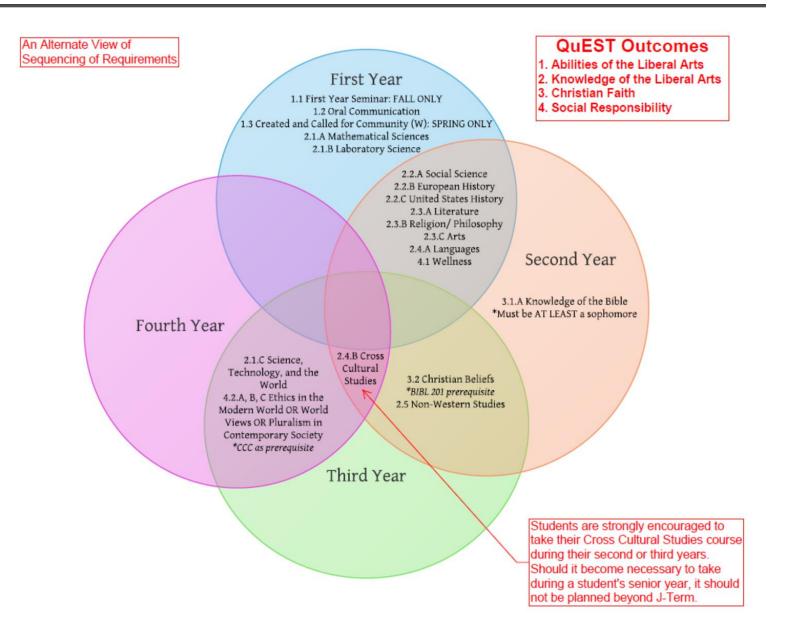
suggeste	, cursi	First Year	Second Year	Third Year	Fourth Year
1.1	First Year Seminar	FALL ONLY			
1.2	Oral Communication				
1.3	Created and Called for Community	SPRING ONLY			
2.1.A	Mathematical Sciences				
2.1.B	Laboratory Science				
4.1	Wellness **				
2.2.A	Social Science				
2.2.B	European History				
2.2.C	United States History				
2.3.A	Literature				
2.3.B	Religion/Philosophy				
2.3.C	Arts				
2.4.A	Languages				
	Writing Enriched Course				
3.1.A	Knowledge of the Bible*		*Must be at least sophomore status		
2.5	Non-Western Studies				
3.2	Christian Beliefs*		* Must take BIBL 201 as prerequisite		
2.4.B	Cross Cultural Studies^				
4.2.A,B,C	Ethics in the Modern World* OR World Views* OR Pluralism in Contemporary Society*			*Must take CCC as prerequisite	
2.1.C	Science, Technology and the World				

^{*} Case by case exceptions for appropriate equivalent courses made in light of the theological foundation of the transferring college.

- Completion of initial wellness assessment
- Completion of written assignment, discussing wellness assessment
- Attendance at two wellness seminars, including brief written response after each seminar

^{**} Student-athletes must complete the following requirements during the semester in which they are enrolled in PHED 102, in addition to participation in their intercollegiate sport:

[^] Students are strongly encouraged to take their Cross Cultural Studies course during their second or third years. Should it become necessary to take during a student's senior year, it should not be planned beyond J-Term.



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QuEST Approved Courses

The following listing represents those courses in each category that have been approved by the General Education Committee. In some cases the courses have been taught on a regular basis while in other cases the course may have been taught infrequently.

Area 1: Abilities of the Liberal Arts

1.1 *First Year Seminar* [3 hrs] The list of seminars is published each summer.

IDFY 101 First Year Seminar (3)

IDFY 102 Honors First Year Seminar (3)

1.2 *Oral Communications* [3 hrs]

COMM 105 Fundamentals of Oral Communication (3)

1.3 *Created and Called for Community* [3 hrs]

IDCR 151 Created and Called for Community (3)

Area 2: Liberal Arts

2.1 Mathematical and Natural Sciences [9 hrs]

A. Mathematical Sciences [3 hrs]

CIS 171	Problem Solving with Computers (3)
CIS 180	Introduction to Computer Science and Information Systems (3)
CIS 181	Computer Programming I (3)
CIS 191	Web Development Client Side (3)
MATH 101	Introduction to Mathematical Sciences (3)
MATH 102	The Mathematics of Growth (3)
MATH 107	Applied Mathematics for Management (3)
MATH 108	Intuitive Calculus with Applications (3)
MATH 111	Calculus I (4)
MATH 180	Discrete Mathematics (3)
STAT 269	Introductory Statistics (3)

B. Laboratory Science [3 hrs]

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BIOL 106	Life Science (3) (for Department of Education students only)
BIOL 117	Field Biology (3)
BIOL 140	Ecology and Sustainability (3)
BIOL 160	Molecular and Cellular Biology (4)
BIOL 162	Plant Form & Function (3)
BIOL 258	Human Biology (4)
CHEM 102	Chemistry for Living (3)
CHEM 103	Chemical Science (4)
CHEM 105	General Chemistry I (4)
ESS 201	Earth and Space Science (3)
GEOL 201	Foundations of Geology (4)
NUTR 110	Science and Nutrition (3)
PHSC 102	Foundations of Physical Science (3) (Department of Education students only)

PHYS 201	Introductory Physics I (4)
PHYS 211	General Physics I (4)
SUST 140	Ecology and Sustainability (3)

C. Science, Technology, and the World [3 hrs] BUSA 358 Making a Better World? (3)

BUSA 358	Making a Better World? (3)
ENVS 216	Environmental Issues and Sustainable Solutions (3)
IDST 300	Appropriate Technology (3)
IDST 300	Biotechnology (3)
IDST 300	Christianity and Science: Historical and Contemporary Interactions (3)
IDST 300	Exploring Electrical Technologies (3)
IDST 300	Genetics and Society (3)
IDST 300	Global Sustainability (3)
IDST 300	History of Electrical Technology (3)
IDST 300	History of Modern Science I (3)
IDST 300	History of Modern Science II (3)
IDST 300	Issues in Science and Religion (3)
IDST 300	Mind and Machines (3)
IDST 300	People, Food, and Farming (3)
IDST 300	Plants and People (3)
IDST 300	Psychology, Science and Technology (3)
IDST 300	Relationships and the Brain (3)
IDST 300	Religion and Science in Early America (3)
IDST 300	Religion and the Rise of Modern Science (3)
IDST 300	Science and Belief in Modern Europe (3)
IDST 300	Scientific Revolution and European Order, 1500-1700 (3)
IDST 300	Social Aspects of Modern Science (3)
IDST 300	Staging Science (3)
IDST 300	Stress and Health (3)
IDST 300	The Origins Controversy in America (3)
IDST 300	The Story of the Universe (3)
IDST 300	Women and Science (3)
PHIL 356	Minds and Machines (3)
SOCI 334	Population and Environmental Issues (3)

2.2 Social Sciences and History [6 hrs]To complete this requirement, students must take one course from two of the following categories:

A. Social Sciences

ECON 110	Economics of Social Issues (3)
ECON 117	Issues in Environmental Economics (3)
ECON 120	Principles of Macroeconomics (3)
EDUC 203	Educational Psychology (3)
HDFS 101	Foundations of Marriage and Family (3)
POLI 113	American Government (3)
POLI 213	Comparative Politics (3)
PSYC 101	Introduction to Psychology (3)
SOCI 101	Principles of Sociology (3)
SOCI 103	Crime, Justice and Society (3)
SOCI 315	Urban Sociology (3)

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B. European History

HIST 101	Western Civilization Before 1500 (3)
HIST 102	Western Civilization Since 1500 (3)
HICT 124	Unichta Daganta And Dandita A Capial

HIST 134 Knights, Peasants, And Bandits: A Social History of Medieval England (3)

HIST 320 Reformation and E Modern Europe (3)

C. United States History

HIST 141 U.S. History Survey Before 1865 (3) HIST 142 U.S. History Survey Since 1865 (3)

HIST 344 Civil War America (3)

2.3 Humanities and Arts [9 hrs]

A. Literature [3 hrs]

ENGL 122	Introduction to Poetry (3)
ENGL 124	Short Story (3)

ENGL 126 From Script to Screen (3)

ENGL 142 Selected Works of British Literature (3)

ENGL 144 Nineteenth-Century British Women Writers (3)

ENGL 146 Writing of the Inklings (3)

ENGL 148 Introduction to Shakespeare (3)

ENGL 152 Selected Works of American Literature (3)

ENGL 154 Introduction to Ethnic Literatures of the United States (3)

ENGL 160 Introduction to World Literature (3)

ENGL 162 Of Gods and Humans: Literature of the Ancient World (3)

ENGL 164 Studies in the Bible as Literature (3)
ENGL 172 Literature and the Life of Faith (3)
ENGL 174 Literature and the Environment (3)

ENGL 176 Twentieth Century Women's Literature (3)

GERM 301 Readings in German Literature I (3)
GERM 302 Readings in German Literature II (3)
SPAN 301 Topics in Latin American Literature (3)
SPAN 311 Topics in Spanish Peninsular Literature (3)

SPAN 314 The Counter Reformation and the Spanish Baroque (3) Prereq: SPAN 206

SPAN 331 Trans-Atlantic Literature (3)

B. Philosophy [3 hrs]

PHIL 101 Problems of Philosophy (3) PHIL 102 History of Philosophy (3)

C. Religion [3 hrs]

RELI 205 Religions of the World (3)

RELI 206 Religions of the World for Majors (3)

RELI 228 Judaism (3) RELI 229 Islam (3)

D. Arts [3 hrs]	
ART 103	Introduction to Drawing (2)
ART 103 ART 107	Introduction to Drawing (3)
	Introduction to Painting (3)
ART 112	Introduction to Graphic Design (3)
ART 115	Introduction to Sculpture (3)
ART 130	Introduction to Computer Art (3)
ART 132	Introduction to Printmaking (3)
ART 136	Paper Processes (3)
ART 143	Introduction to Watercolor (3)
ART 171	Foundations of Drawing (3)
ART 182	Color and Design (3)
ART 215	Painting I (3)
ART 220	Ceramics I: Wheel Techniques (3)
ART 221	Ceramics I: Handbuilding (3)
ART 224	Dyeing, Printing, and Manipulating Fabric (3)
ART 232	Screen Printing (3)
ART 234	Weaving Techniques (3)
ART 236	Graphic Design and Visual Culture: Seeing, Thinking, and Making (3)
ART 237	Typography And Visual Communications (3)
ART 251	Photography I (3)
ART 262	Construction and Assemblage (3)
ART 263	Carving (3)
ART 282	Form, Space, and Media (3)
ART 312	Digital Imaging (3)
ART 330	Intaglio and Relief Printmaking (3)
ART 332	Lithography (3)
ART 334	Wearable Art (3)
ART 364	Casting (3)
DANC 305	Dance History (2), when taken with one of the following:
	DANC 101 Ballet (1)
	DANC 102 Jazz and Dance Theatre (1)
	DANC 103 Modern Dance (1)
	DANC 104 Tap Dance I (1)
MUGE 101	Fundamentals of Music Theory (3)
MUGE 203	Music Through Piano (3)
MUGE 209	Survey of Christian Song (3)
MUGE 210	American Popular Music (3)
MUGE 213	Music Through Percussion (3)
MUGE 217	Music Through Singing (3)
MUGE 218	Music Through Guitar (3)
MUGE 223	Jazz Improvisation (3)
MUGE 224	Songwriting for Beginners (3)
MUGE 225	Worship Music through the Guitar (3)
THEA 110	Introduction to Theatre (3)
THEA 120	Acting 1 (3)
THEA 150	Introduction to Technical Theatre and Design (3)
THEA 361	Creative Dramatics (3)
THEA 363	Theatre for Social Change (3)
	0- (-)

2.4 Languages and Cultures [9 hrs]

To complete this requirement, students need to take **one** of the following options:

a. Three semesters of the same language, reaching the intermediate level **OR**

b. Two semesters of the same language plus an approved cross-cultural study

Fundamentals of Chinese I (3) **CHIN 101 CHIN 102** Fundamentals of Chinese II (3) Intermediate Chinese (3) **CHIN 201** Fundamentals of French I (3) **FREN 101** Fundamentals of French II (3) **FREN 102 FREN 201** Intermediate French (3) Fundamentals of German I (3) **GERM 101** Fundamentals of German II (3) **GERM 102 GERM 201** Intermediate German (3) **GREK 205** Fundamentals of Greek I (3) Fundamentals of Greek II (3) **GREK 206** Intermediate Greek (3) **GREK 305** Fundamentals of Hebrew I (3) **HEBR 205** Fundamentals of Hebrew II (3) **HEBR 206** Intermediate Hebrew (3) **HEBR 305 LATN 101** Fundamentals of Latin I (3) Fundamentals of Latin II (3) **LATN 102 LATN 201** Intermediate Latin (3) Fundamentals of Spanish I (3) **SPAN 101** Fundamentals of Spanish II (3) **SPAN 102** Intermediate Spanish (3) **SPAN 201** Cross-Cultural Study (3) (locations to be announced; vary by academic year) **IDCC 260**

Area 3: Christian Faith

3.1 Knowledge of the Bible [3 hrs.]

	21010 [0 1110.]
BIBL 201	Encountering the Bible (3)
BIBL 202	Encountering the Bible for Majors (3)
BIBL 203	Encountering the Old Testament (Hebrew Bible) (3)
BIBL 204	Encountering the New Testament (3)

3.2 Christian Beliefs [3 hrs]

THEO 205	Introduction to Christian Theology (3)
THEO 207	African-American Theology (3)
THEO 209	Anabaptist Theology (3)
THEO 211	Brethren in Christ Life and Thought (3)
THEO 213	Pentecostal Theology (3)
THEO 215	Roman Catholic Theology (3)
THEO 217	Wesleyan Holiness Theology (3)
THEO 219	Theology and Christian Unity (3)
THEO 221	Faith and Society (3)
THEO 223	Global Christian Theology (3)
THEO 225	Practical Theology of the Urban Church (3)
THEO 227	Theology, Violence, and Non-Violence (3)
THEO 229	Theology and American Culture (3)
THEO 232	Reformation Theology (3)
THEO 238	Christian Theology I: God and Humanity (3)

Area 4: Social Responsibility

4.1 Wellness [1 hr.]

To complete this requirement, students must take one wellness activity course from the list below.

1 1	,
APHS 170	Concepts of Conditioning
DANC 101	Ballet (1)
DANC 102	Jazz and Dance Theatre (1)
DANC 103	Modern Dance (1)
DANC 104	Tap Dance I (1)
WELL 103	Adapted Physical Education (1)
WELL 104	Swimming for the Non-Swimmer (1)
WELL 105	Intermediate Swimming (1)
WELL 106	Aquatic Aerobics (1)
WELL 107	Beginning Racquetball (1)
WELL 108	Intermediate Racquetball (1)
WELL 109	Beginning Volleyball (1)
WELL 110	Intermediate Volleyball (1)
WELL 111	Advanced Volleyball (1)
WELL 112	Beginning Tennis (1)
WELL 113	Intermediate Tennis (1)
WELL 114	Dance and Rhythm Activities (1)
WELL 115	Skiing & Snowboarding I (1)
WELL 116	Skiing & Snowboarding II (1)
WELL 117	Self Defense (1)
WELL 118	Creative and Expressive Movement (1)
WELL 119	Beginning Yoga (1)
WELL 120	Racquet Activities (1)
WELL 121	Team Activities (1)
WELL 122	Flag Football and Basketball (1)
WELL 123	Strength Training (1)
WELL 124	Safety and R.A.D. Systems for Women (1)
WELL 126	Tennis and Volleyball (1)
WELL 127	Aquatics (1)
WELL 128	Developmental Gymnastics/Rhythmical Activities (1)
WELL 129	Beginning Pilates (1)
WELL 131	Disc Activities (1)
WELL 133	Indoor Cycling (1)
WELL 135	Non-traditional Games (1)
WELL 136	Exercise and Weight Management (1)
WELL 137	Fitness Walking (1)
WELL 138	Couch to 5K (1)

4.2 Engaging the Pluralistic World: Interdisciplinary Perspectives [3 hrs]

To fulfill the Engaging the Pluralistic World requirement, students must take one course from one of the following categories.

A. Ethics in the Modern World

BIBL 293	The Bible and Social Ethics (3)
BIOL 317	Bioethics (3)
BUSA 370	Moral Issues In Business (3)
EDUC 356	Moral Education (3)
ENVS 315	Environmental Ethics (3)

HDFS 340	Ethics and Family (3)
HIST 391	Historical Study of Peace (3)
IDET 300	Children and Society (3)
IDET 300	Ethics of Caring (3)
IDET 300	Moral Issues in Business (3)
IDET 300	Perspectives on Justice and Rights (3)
IDET 300	Sport and Ethics (3)
IDET 300	The Court's Holy Battles (3)
IDET 316	Healthcare Ethics (3)
PHIL 325	Moral Problems (3)
PHIL 382	Ethics (3)
POLI 320	Ethnic and Racial Politics in America (3)
POLI 330	Terrorism (3)
SOCI 335	Social Conflict, Justice and Peacemaking (3)

B. World Views

IDWV 300

World Views (3) Philosophy of Religion (3) PHIL 345

C. Pluralism in Contemporary Society COMM 307 Rhetoric of the Civil Rights Movement (3)

COMM 307	Rhetoric of the Civil Rights Movement (3)
EDSP 303	Disability And Society (3)
EDUC 346	Social-Cultural Perspectives on Education (3)
HDFS 378	Latino Families (3)
HDFS 383	Topics in Multi-Cultural Families (3)
HDFS 384	Families in America (3)
HDFS 386	Family Ethnicity and Human Services (3)
HIST 351	Native American History (3)
HIST 352	African-America History Since 1865 (3)
HIST 355	U.S. Urban History (3)
HIST 392	Women and Gender in History (3)
HPED 329	Sport in Society (3)
IDPL 300	Personal Narratives of a Pluralist Society (3)
IDPL 300	The Holocaust (3)
IDPL 300	Racism and Racial Reconciliation (3)
POLI 310	American Political Thought (3)
POLI 316	Constitutional Law: Civil Liberties and Civil Rights (3)
POLI 325	Gender, Family and Politics (3)
RELI 342	Religious Pluralism in America (3)
RELI 355	Christianity in North America (3)
SOCI 310	Food, Power, and Society (3)
SOCI 341	Religion and Society (3)
SOCI 342	Women and Men in American Society (3)
SOCI 356	Social Inequality (3)
SOWK 356	Engaging Diversity and Inequality (3)
THEO 354	Theology and Gender (3)

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4.3 Non-Western Studies [2 or 3 hrs]

Western studies [2 01 3 1113]
ARTH 210	Topics in Non-Western Art (3)
COMM 321	Global Indigenous Media (3)
COMM 327	Latin American Cinema (3)
GEOG 103	World Regional Geography (3)
HIST 171	World Civilizations: Bronze Age to 1500 (3)
HIST 172	World Civilizations: 1500 to Present (3)
HIST 372	Modern Civilizations of Asia (3)
HIST 379	History of the Middle East (3)
HIST 381	History of Africa (3)
IDNW 200	Africa History Survey (3)
IDNW 200	Africa Through Literature (3)
IDNW 200	African Music and Culture (2)
IDNW 200	African Ways of Life (3)
IDNW 200	Caribbean Island Society and Culture (3)
IDNW 200	Cinema in the Islamic World (3)
IDNW 200	Education. in Sub-Saharan Africa (3)
IDNW 200	Japanese Culture: Ancient, Contemporary, Popular (3)
IDNW 200	Japanese Popular Culture (3)
IDNW 200	Japanese Society and Culture (3)
IDNW 200	National, Regional & Global: Contemp. Latin American Cinema (3)
IDNW 200	Latin American Cinema (3)
IDNW 200	Latin American Music and Culture (2)
IDNW 200	Pacific Island Food and Culture (3)
IDNW 200	Themes in Latin American Theatre (3)
MUMH 338	Studies in Global Music (2)
PHIL 318	Asian Philosophy (3)
POLI 222	Politics in Latin America (3)
POLI 312	Politics of China (3)
POLI 346	Russia after Communism (3)
RELI 321	Christianity in Latin America (3)
RELI 329	Christianity in Africa (3)
RELI 332	Christianity in Asia (3)
RELI 333	Religions of India (3)
RELI 334	Religions of China and Japan (3)
SOCI 212	Cultural Anthropology (3)
SOCI 221	Native American Cultures (3)
SOCI 381	Topics in Non-Western Cultures (3)
SPAN 302	Culture and Identity in Latin America (3)
SPAN 305	Latin American Plays of Protest (3)

Guide to Navigating Advising Equivalencies for QuEST Requirements

- **1. BEFORE taking QuEST classes elsewhere**, a student should check the online <u>Transfer Course</u> Equivalency Database:
 - If a QuEST course appears in this database:
 - Students participating in off-campus programs still need to complete an Off-Campus
 Study Course Approval Form in which they list the specific courses they plan to take

For example, if a student would like a particular class to meet his/her Pluralism in Contemporary Society requirement, the class will need to meet the following objectives:

4.2.C. Pluralism in Contemporary Society

Objectives: By the completion of the course the students will demonstrate the ability to:

- a. outline contemporary issues arising out of the pluralism of race, ethnicity, social class, gender, disability and religion.
- b. examine contemporary society from diverse viewpoints and through these, increase self-knowledge.
- c. explain some effects of inequality, prejudice, and discrimination.
- d. articulate and practice an informed and faithful Christian response to diversity.

and the specific requirements (i.e. Art, Non-Western, etc.) which they plan to meet with those courses.

- Students taking a course for traditional transfer credit do not need to submit
 additional pre-approval paperwork to receive credit for the existing course equivalency,
 once advisors review the course to ensure that students are interpreting the database
 correctly.
- If a course does <u>not</u> appear in the database, the student must submit one of the following forms **in** advance of taking the course to ensure it meets the appropriate QuEST requirement:
 - o *Off-Campus Study Course Approval Form* (for students studying in an approved off-campus program through, and available from, the Intercultural Office at Messiah College)
 - O Approval for <u>Transfer Credit Form</u> (for students <u>not</u> studying in an approved study abroad program through the Intercultural Office at Messiah College; e.g., local community college)
 Students must list the specific courses they plan to take and the specific requirements which they plan to meet with those courses and review those expectations with their advisors to ensure that the anticipated courses meet with their degree plan.

2. WHEN REQUESTING AN ARTICULATION (EQUIVALENCY) FOR A QUEST COURSE:

- Students and advisors will be expected to provide the institution, course name and description. When possible, students may be asked to provide a class syllabus. General guidelines for types of course which may potentially meet requirements appear in the Transfer Guidelines.
- The Registrar's Office and Assistant Dean of General Education and Common Learning determine whether/ how well a particular course meets the various objectives set forth in each area of QuEST. These objectives were established in light of our institution's specific educational mission and goals

Important Considerations Regarding QuEST Equivalencies

• The determination of how effectively an interdisciplinary (IDS) course satisfies a particular QuEST requirement rests with the Registrar and Assistant Dean of General Education and

Common Learning. When determining how effectively a distribution course (QuEST course within a department) satisfies a particular General Education requirement, these parties may consult with Department Chairs, to the extent that the course meets specified discipline-related educational objectives.

- An established partnership with an institution (e.g., via study abroad articulation) does not necessarily guarantee articulation of their coursework for our particular QuEST requirements.
- Classes are *not* equated solely by the type of course (i.e. Art, History, etc.).
- Waivers of QuEST components are only granted in very rare circumstances
- Additionally, certain QuEST requirements **must be taught from a Christian perspective** (i.e., from Messiah or another institution with a similar Christian theological foundation):
 - 1.3.A Created and Called for Community (Messiah only)
 - 2.1.C Science, Technology and the World
 - 3.1 Knowledge of the Bible
 - 3.2 Christian Beliefs
 - 4.2.A. Ethics in the Modern World
 - 4.2.B. World Views
 - 4.2.C. Pluralism in Contemporary Society

When in doubt, please contact Dr. Robin Lauermann, Associate Dean of General Education, Common Learning and Advising!

Transfer Equivalencies

(Must meet all QuEST course objectives for specific requirement)

First Year Seminar	3 credits English composition (Awarded if 1 or more	
	3 credits Eligibili composition (Awarded if 1 of more	100
	full-time semesters of college have been completed.)	
Created and Called for	Messiah College course	100
Community		
Oral Communication	3 credits public speaking (e.g. speech, relational communication)	100-200
Mathematical Sciences	3 credits mathematical science beyond college algebra (Some majors may have specific course requirements.)	100-200
Laboratory Science	3-4 credits laboratory science (e.g. biology, chemistry, physics, geology containing a lab component. Some majors may have specific course requirements.)	100-200
Science, Technology, & the World	Messiah College course	200
Social Science	3 credits introductory psychology, sociology, anthropology, economics, or political science	100-200
History	3 credits European or United States history (e.g. introduction to the foundations of the discipline and survey of the broader area of study)	100-200
Literature	3 credits literature (e.g. American writers, British writers, Shakespeare, short stories, poetry)	200
Philosophy/Religion	3 credits philosophy or religion (e.g. introduction or history of philosophy; world religion)	100-200
Arts	3 credits art, music, or theatre (Must have a studio component. e.g. drawing, photography, singing, acting)	100-200
Languages & Culture	3 semesters of same modern language	100-200
Non-Western Studies	3 credits in non-western studies (e.g. Asian, Latin American, Native American, African studies)	200
Biblical Knowledge	*Messiah College course	100-200
Christian Beliefs	*Messiah College course	200-300
Wellness	2 1-credit activity courses (transfer students only)	100
Ethics in the Modern World or	Messiah College course	300-400
World Views or Pluralism in		
Contemporary Society		

^{*}Case by case exceptions for appropriate equivalent courses made in light of the theological foundation of the transferring college.

NOTE: Some majors have specifically defined courses that meet both a major and a QuEST requirement. Consult the current Messiah College catalog for more information.

III. BIBLICAL & RELIGIOUS STUDIES

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Planning Your Academic Program

- 1. BIBL 202 must be taken before any other BIBL courses. Students who have taken BIBL 201, 203 or 204 prior to joining the department do not need to take BIBL 202.
- 2. BIBL 233 and BIBL 237 should be taken early in your program.
- 3. It is also recommended that you take THEO 238 relatively early in your program, but not before you've completed BIBL 202.
- 4. Christian Ministries majors should take CHRM 210 or CHRM 220 in their sophomore year.
- 5. Christian Ministries majors will fulfill their ELI requirement via CHRM 391 or 393.
- 6. All majors are strongly encouraged to take Biblical Greek or Biblical Hebrew, either of which will satisfy the QuEST requirement for Modern Languages. Hebrew and Greek are offered alternate years.

Guidelines for Mathematical Sciences Courses

There is no specific math course required for BRS majors. Familiarity with digital technology is increasingly important for students in the humanities. Students interested in pursuing digital applications in the humanities should consider taking courses in CIS. The introductory CIS courses to consider include:

- **CIS 171 Problem Solving with Computers** focuses on using computers and software to create reports, images, spreadsheets, web pages, and databases.
- **CIS 180 Introduction to Computer and Information Science** covers both technical and social aspects of computing, including privacy, security, reliability, and ethics.
- **CIS 181 Introduction to Computer Programming** in Python is the introductory programming course for both majors and non-majors.

For students interested in math, we recommend students enroll in MATH 101, MATH 102, or MATH 107 in their first year, unless they have had a pre-calculus course; then they should consider MATH 108. Statistical literacy is another important area of mathematical study, and STAT269 is a course that gives a good introduction to statistical methods and meets the QuEST requirement.

Sample 8-Semester Plans

Biblical and Religious Studies (B.A.) with Bible Concentration

Course #	Course name	Credits	Course #	Course name	Credits
	First Year—Fall			First Year—Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community (W)*	3
Varies	1st Language* (GREK or HEBR recommended)	3	Varies	2 nd Language* (January Term)	3
Varies	Free Elective	3	THEO 238	Christian Theology I**	3
Varies	Mathematical Science* (CIS recommended)	3-4	Varies	1st Social Science, History*	3
BIBL 202	Encountering the Bible for Majors**	3	Varies	Free Elective	3
			Varies	3 rd Language or Cross Cultural*	3
	TOTAL	15-16		TOTAL	18
	Sophomore Year—Fall			Sophomore Year—Spring	
ENGL xxx	Literature*	3	BIBL 237	New Testament Literature for Majors	3
Varies	2 nd Social Science, History*	3	Varies	Free Elective	3
BIBL 233	Old Testament Literature for Majors	3	RELI 206 OR Varies	Religions of the World for Majors** OR Free Elective	3
RELI 344	History of Christianity	3	Varies	Wellness*	1
Varies	Free Elective	3	Varies	Free Elective	3
			COMM 105	Oral Communication* (January Term)	3
	TOTAL	15		TOTAL	16
	Junior Year—Fall			Junior Year—Spring	
BIBL xxx	Bible Elective	3	BIBL 307 OR BIBL 381	Biblical Backgrounds OR Biblical Interpretation and Criticism	3
Varies	Laboratory Science*	3-4	BIBL 382 OR Varies	Topics in Biblical Theology OR Free Elective	3
Varies	Non-Western Studies*	3	BIBL 313	Selected Old Testament Books	3
THEO 305 OR Varies	Christian Theology of Religious Pluralism*** OR Free Elective	3	RELI 206 OR Varies	Religions of the World for Majors** OR Free Elective	3
Varies	Free Elective	3	Varies	Free Elective	3
	TOTAL	15-16		TOTAL	15
	Senior Year—Fall			Senior Year—Spring	
THEO 305 OR Varies	Christian Theology of Religious Pluralism*** OR Free Elective	3	BIBL 307 OR BIBL 381	Biblical Backgrounds OR Biblical Interpretation and Criticism	3
THEO 487	Biblical and Religious Studies Seminar	3	Varies	Ethics, World Views or Pluralism*	3
Varies	Science, Tech and the World*	3	Varies	Arts*	3
Varies	Free Elective	3	BIBL 382 OR Varies	Topics in Biblical Theology OR Free Elective	3
Varies	Free Elective	3	Varies	Free Elective	3
	TOTAL	15		TOTAL	15
	TOTAL	13		TOTAL CREDITS	124- 126

 ^{*} Meets QuEST requirement
 **Meets QuEST and Major requirements
 ***Fulfills Writing Enriched course requirement for Major

Biblical and Religious Studies (B.A.) with Religion Concentration

Course #	Course name	Credits	Course #	Course name	Credits
	First Year—Fall			First Year—Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community (W)*	3
Varies	1st Language* (GREK or HEBR recommended)	3	Varies	2 nd Language* (January Term)	3
Varies	Free Elective	3	THEO 238	Christian Theology I**	3
Varies	Mathematical Science* (CIS recommended)	3-4	Varies	1st Social Science, History*	3
BIBL 202	Encountering the Bible for Majors**	3	Varies	Free Elective	3
	,		Varies	3 rd Language or Cross Cultural*	3
	TOTAL	15-16		TOTAL	18
	Sophomore Year—Fall			Sophomore Year—Spring	
ENGL xxx	Literature*	3	BIBL 237	New Testament Literature for Majors	3
Varies	2 nd Social Science, History*	3	Varies	Free Elective	3
BIBL 233	Old Testament Literature for Majors	3	RELI 206	Religions of the World for Majors** OR	3
	,		OR Varies	Free Elective	
RELI 344	History of Christianity	3	Varies	Wellness*	1
Varies	Free Elective	3	RELI 355 OR Varies	Christianity in North America OR Free Elective	3
			COMM 105	Oral Communication* (January Term)	3
	TOTAL	15		TOTAL	16
	Junior Year—Fall			Junior Year—Spring	•
RELI xxx	Religion Elective (RELI 228,229, 333, or 334)	3	RELI xxx OR RELI 329	Religion Elective (RELI 228,229, 333, or 334) OR Christianity in Africa**	3
Varies	Laboratory Science*	3-4	RELI 366 OR Varies	Topics in Religion OR Free Elective	3
THEO 305 OR Varies	Christian Theology of Religious Pluralism*** OR Free Elective	3	RELI 355 OR Varies	Christianity in North America OR Free Elective	3
Varies	Free Elective	3	RELI 206 OR Varies	Religions of the World for Majors** OR Free Elective	3
Varies	Free Elective	3	Varies	Free Elective	3
	TOTAL	15-16		TOTAL	15
	Senior Year—Fall			Senior Year—Spring	
THEO 305 OR Varies	Christian Theology of Religious Pluralism*** OR Free Elective	3	RELI xxx OR RELI 329	Religion Elective (RELI 228,229, 333, or 334) OR Christianity in Africa**	3
THEO 487	Biblical and Religious Studies Seminar	3	Varies	Ethics, World Views or Pluralism*	3
Varies	Science, Tech and the World*	3	Varies	Arts*	3
Varies	Free Elective	3	RELI 366 OR Varies	Topics in Religion OR Free Elective	3
Varies	Free Elective	3	Varies	Free Elective	3
-	TOTAL	15		TOTAL	15
	1000			TOTAL CREDITS	124- 126

 ^{*} Meets QuEST requirement
 **Meets QuEST and Major requirements
 ***Fulfills Writing Enriched course requirement for Major

Biblical and Religious Studies (B.A.) with Theology Concentration

Course #	Course name	Credits	Course #	Course name	Credits
	First Year—Fall			First Year—Spring	III
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community (W)*	3
Varies	1st Language* (GREK or HEBR recommended)	3	Varies	2 nd Language* (January Term)	3
Varies	Free Elective	3	THEO 238	Christian Theology I**	3
Varies	Mathematical Science* (CIS recommended)	3-4	Varies	1st Social Science, History*	3
BIBL 202	Encountering the Bible for Majors**	3	Varies	Free Elective	3
			Varies	3 rd Language or Cross Cultural*	3
	TOTAL	15-16		TOTAL	18
	Sophomore Year—Fall			Sophomore Year—Spring	
Varies	Free Elective	3	BIBL 237	New Testament Literature for Majors	3
Varies	2 nd Social Science, History*	3	Varies	Free Elective	3
BIBL 233	Old Testament Literature for Majors	3	RELI 206 OR Varies	Religions of the World for Majors OR Free Elective	3
RELI 344	History of Christianity	3	Varies	Wellness*	1
Varies	Free Elective	3	Varies	Free Elective	3
			COMM 105	Oral Communication* (January Term)	3
	TOTAL	15		TOTAL	16
	Junior Year—Fall	•		Junior Year—Spring	
THEO 343 OR 354	Contemporary Theology OR Theology and Gender**	3	THEO 338	Christian Theo. III: Peace, Justice, Rec	3
Varies	Laboratory Science*	3-4	RELI 321, 329, or 332	Christianity in Latin America** OR Christianity in Asia** OR Christianity in Africa**	3
PHIL 101/102	Philosophy*	3	ENGL xxx	Literature*	3
Varies	Free Elective	3	THEO 366 OR Varies	Topics in Theology OR Free Elective	3
THEO 305 OR Varies	Christian Theology of Religious Pluralism*** OR Free Elective	3	RELI 206 OR Varies	Religions of the World for Majors OR Free Elective	3
	TOTAL	15-16		TOTAL	15
	Senior Year—Fall			Senior Year—Spring	•
THEO 305 OR Varies	Christian Theology of Religious Pluralism*** OR Free Elective	3	THEO 366 OR Varies	Topics in Theology OR Free Elective	3
THEO 487	Biblical and Religious Studies Seminar	3	Varies	Arts*	3
Varies	Free Elective	3	Varies	Science, Tech and the World*	3
THEO 343 OR 354	Contemporary Theology OR Theology and Gender**	3	Varies	Free Elective	3
Varies	Free Elective	3	Varies	Free Elective	3
	TOTAL	15		TOTAL	15
	* Monte Out Cott was discovered.	-		TOTAL CREDITS	124- 126

 ^{*} Meets QuEST requirement
 **Meets QuEST and Major requirements
 ***Fulfills Writing Enriched course requirement for Major

Biblical and Religious Studies (B.A.) with World Christianity Concentration

Course #	Course name	Credits	Course #	Course name	Credits
	First Year—Fall			First Year—Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community (W)*	3
Varies	1st Language* (GREK or HEBR recommended)	3	Varies	2 nd Language* (January Term)	3
Varies	Free Elective	3	THEO 205	Introduction to Christian Theology**	3
Varies	Mathematical Science* (CIS recommended)	3-4	Varies	1st Social Science, History*	3
BIBL 202	Encountering the Bible for Majors**	3	Varies	Free Elective	3
	-		Varies	3 rd Language or Cross Cultural*	3
	TOTAL	15-16		TOTAL	18
	Sophomore Year—Fall			Sophomore Year—Spring	
Varies	Free Elective	3	BIBL 237	New Testament Literature for Majors	3
Varies	2 nd Social Science, History*	3	Varies	Free Elective	3
BIBL 233	Old Testament Literature for Majors	3	RELI 206 OR Varies	Religions of the World for Majors** OR Free Elective	3
RELI 344	History of Christianity	3	CHRM 220 OR Varies	Intro to Christian Mission OR Wellness	1-3
Varies	Free Elective	3	Varies	Free Elective	3
	TOTAL	15		TOTAL	13
	Junior Year—Fall			Junior Year—Spring	
ENGL xxx	Literature*	3	RELI 321, 329, OR 332	Christianity in Latin America OR Christianity in Asia OR Christianity in Africa	3
Varies	Laboratory Science*	3-4	Varies	Arts*	3
COMM 105	Oral Communication*	3	RELI 366 OR Varies	Topics in Religion OR Free Elective	3
Varies	Free Elective	3	CHRM 220 OR Varies	Intro to Christian Mission OR Wellness	1-3
THEO 305 OR Varies	Christian Theology of Religious Pluralism*** OR Free Elective	3	RELI 206 OR Varies	Religions of the World for Majors** OR Free Elective	3
	TOTAL	15-16		TOTAL	13
	Senior Year—Fall			Senior Year—Spring	-
THEO 305 OR Varies	Christian Theology of Religious Pluralism*** OR Free Elective	3	RELI 366 OR Varies	Topics in Religion OR Free Elective	3
THEO 487	Biblical and Religious Studies Seminar	3	Varies	Ethics, World Views or Pluralism*	3
Varies	Science, Tech and the World*	3	Varies	Free Elective	3
Varies	Free Elective	3	RELI 321, 329, OR 332	Christianity in Latin America OR Christianity in Asia OR Christianity in Africa	3
Varies	Free Elective	3	Varies	Free Elective	3
. 3.100	TOTAL	15	. 31100	TOTAL	15
	1017/12			TOTAL CREDITS	124-126

Christian Ministries (B.A.) with Cross Cultural Ministry Concentration

 ^{*} Meets QuEST requirement
 **Meets QuEST and Major requirements
 ***Fulfills Writing Enriched course requirement for Major

Course #	Course name	Credits	Course #	Course name	Credits
	First Year—Fall	•		First Year—Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community (W)*	3
Varies	1st Language* (GREK or HEBR recommended)	3	Varies	2 nd Language* (January Term)	3
Varies	Free elective	3	THEO 238	Christian Theology I**	3
Varies	Mathematical Science* (CIS recommended)	3-4	Varies	European of US History*	3
BIBL 202	Encountering the Bible for Majors**	3	COMM 105	Oral Communication*	3
CHRM 099	Opportunities in Christian Ministries	1	Varies	3 rd Language*	3
	TOTAL	15-16		TOTAL	18
	Sophomore Year—Fall			Sophomore Year—Spring	
ENGL xxx	Literature*	3	BIBL 237	New Testament Literature for Majors	3
THEO 223	Global Christian Theology	3	THEO 338	Christian Theology III	3
BIBL 233	Old Testament Literature for Majors	3	CHRM 242	Christian Spirituality	3
RELI 344	History of Christianity	3	CHRM 220	Introduction to Christian Mission	3
THEO 239	Christian Theology II***	3	CHRM 227	Pre-Field Experience for CC Ministry	3
	3,		OR Varies	OR Free Elective	
			CHRM 338	Teaching for Christian Ministries	3
	TOTAL	15		TOTAL	18
	Junior Year—Fall			Junior Year—Spring	
BIBL 312	Selected NT Books	3	CHRM 227 OR Varies	Pre-Field Experience for CC Ministry OR Arts	3
Varies	Laboratory Science*	3-4	CHRM 352 OR Varies	Topics in Cross-Cultural Ministry OR Free Elective	3
THEO 305 OR Varies	Christian Theology of Religious Pluralism OR Free Elective	3	SOCI 212	Cultural Anthropology**	3
CHRM 320	Biblical Theology of Mission	3	RELI 206 OR Varies	Religions of the World for Majors or Wellness*	1-3
CHRM 393 OR Varies	Post-Field Experience for CC Ministry OR Non-Western Studies	3	PHIL 101	Problems in Philosophy*	3
	TOTAL	15-16		TOTAL	13-15
	Senior Year—Fall			Senior Year—Spring	
CHRM 493	Christian Ministries Seminar	3	CHRM 352 OR Varies	Topics in Cross-Cultural Ministry OR Free Elective	3
THEO 305 OR Varies	Christian Theology of Religious Pluralism OR Free Elective	3	Varies	Ethics, World Views or Pluralism*	3
Varies	Science, Tech and the World*	3	CHRM 227 OR Varies	Pre-Field Experience for CC Ministry OR Arts*	3
COMM 342	Intercultural Communication	3	CHRM 391	Practicum	3
CHRM 393 OR Varies	Post-Field Experience for CC Ministry OR Non-Western Studies*	3	RELI 206 OR Varies	Religions of the World for Majors or Wellness*	1-3
	TOTAL	15		TOTAL	15
		-		TOTAL CREDITS	124- 126

 ^{*} Meets QuEST requirement
 **Meets QuEST and Major requirements
 ***Fulfills Writing Enriched course requirement for Major

Christian Ministries (B.A.) with Congregational Ministry Concentration

Course #	Course name	Credits	Course #	Course name	Credits
	First Year—Fall	•		First Year—Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community (W)*	3
Varies	1st Language* (GREK or HEBR recommended)	3	Varies	2 nd Language* (January Term)	3
Varies	Free Elective	3	THEO 238	Christian Theology I**	3
Varies	Mathematical Science* (CIS recommended)	3-4	Varies	1st Social Science, History*	3
BIBL 202	Encountering the Bible for Majors**	3	COMM 105	Oral Communication*	3
CHRM 099	Opportunities in Christian Ministries	1	Varies	3 rd Language	3
	TOTAL	16-17		TOTAL	18
	Sophomore Year—Fall			Sophomore Year—Spring	
ENGL xxx	Literature*	3	BIBL 237	New Testament Literature for Majors	3
Varies	2 nd Social Science, History*	3	THEO 338	Christian Theology III	3
BIBL 233	Old Testament Literature for Majors	3	CHRM 242	Christian Spirituality	3
RELI 344	History of Christianity	3	Varies	Wellness*	1
THEO 239	Christian Theology II***	3	CHRM 225	Field Experience in Christian Ministries	2
			CHRM 338	Teaching for CM (January Term)	3
	TOTAL	15		TOTAL	15
	Junior Year—Fall		ĺ	Junior Year—Spring	
BIBL 312	Selected NT Books	3	CHRM 351 or CHRM	Topics in Congregational Ministries OR Introduction to Preaching	3
Varies	Laboratory Science*	3-4	343 RELI 355 OR Varies	Christianity in North America** OR Free Elective	3
Varies	Non-Western Studies*	3	CHRM 210	Theology of Ministry	3
CHRM 323 or Varies	Worship OR Free Elective	3	PHIL 101	Problems in Philosophy*	3
CHRM 243 or CHRM 330	Evangelism and Discipleship OR Organization and Leadership for Ministry	3	Varies	Free Elective	3
	TOTAL	15-16		TOTAL	15
	Senior Year—Fall		İ	Senior Year—Spring	
CHRM 493	Christian Ministries Seminar	3	CHRM 351 or CHRM 343	Topics in Congregational Ministries OR Introduction to Preaching	3
CHRM 243 or CHRM 330	Evangelism and Discipleship OR Organization and Leadership for Ministry	3	RELI 355 OR Varies	Christianity in North America** OR Free Elective	3
Varies	Science, Tech and the World*	3	Varies	Arts*	3
CHRM 342	Pastoral Counseling	3	CHRM 391	Practicum	3
CHRM 323 or Varies	Worship OR Free Elective	3	Varies	Free Elective	3
	TOTAL	15		TOTAL	15
				TOTAL CREDITS	124- 126

 ^{*} Meets QuEST requirement
 **Meets QuEST and Major requirements
 ***Fulfills Writing Enriched course requirement for Major

Christian Ministries (B.A.) with Youth Ministry Concentration

Course #	Course name	Credits	Course #	Course name	Credits	
	First Year—Fall	•		First Year—Spring		
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community (W)*	3	
Varies	1st Language* (GREK or HEBR recommended)	3	Varies	2 nd Language* (January Term)	3	
Varies	Free Elective	3	THEO 238	Christian Theology I**	3	
Varies	Mathematical Science* (CIS recommended)	3-4	Varies	European or US History*	3	
BIBL 202	Encountering the Bible for Majors**	3	COMM 105	Oral Communication*	3	
CHRM 099	Opportunities in Christian Ministries	1	Varies	3 rd Language	3	
	TOTAL	15-16		TOTAL	18	
	Sophomore Year—Fall			Sophomore Year—Spring		
ENGL xxx	Literature*	3	BIBL 237	New Testament Literature for Majors	3	
HDFS 101	Foundations of Marriage and Family**	3	THEO 338	Christian Theology III	3	
BIBL 233	Old Testament Literature for Majors	3	CHRM 242	Christian Spirituality	3	
RELI 344	History of Christianity	3	CHRM 235	Ministry with Youth I	3	
THEO 239	Christian Theology II***	3	CHRM 225	Field Experience in Christian Ministries	2	
			CHRM 338	Teaching for CM (J term)	3	
	TOTAL	15		TOTAL	17	
	Junior Year—Fall		Junior Year—Spring			
BIBL 312	Selected NT Books	3	HDFS 311	Adolescent Development	3	
Varies	Laboratory Science*	3-4	RELI 355 OR Varies	Christianity in North America OR Free Elective	3	
Varies	Non-Western Studies*	3	CHRM 210	Theology of Ministry	3	
CHRM 353	Topics in Youth Ministries	3	CHRM 336	Ministry with Youth II	3	
CHRM 330 OR 243	Organization and Leadership for Ministry OR Evangelism and Discipleship	3	PHIL 101	Problems in Philosophy*	3	
	TOTAL	15-16		TOTAL	15	
	Senior Year—Fall		Senior Year—Spring			
CHRM 493	Christian Ministries Seminar	3	Varies	Wellness*	1	
CHRM 330	Organization and Leadership for Ministry	3	RELI 355	Christianity in North America OR Free	3	
OR 243	OR Evangelism and Discipleship		OR Varies	Elective		
Varies	Science, Tech and the World*	3	Varies	Arts*	3	
Varies	Free Elective	3	CHRM 391	Practicum	3	
Varies	Free Elective	3	Varies	Free Elective	3	
	TOTAL	15		TOTAL	13	
				TOTAL CREDITS	123- 125	

 ^{*} Meets QuEST requirement
 **Meets QuEST and Major requirements
 ***Fulfills Writing Enriched course requirement for Major

III. BIOLOGICAL SCIENCES

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Biology (B.S.) with Secondary Teaching Certification	
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Environmental Science	
Molecular Biology B.S.	
Sustainability Studies (B.A.) with Community Development concentration	

8-Semester Plans

Biology B.S. with Biomedical Concentration

Course #	Course name	Credits	Course #	Course name	C	Credits
	First Year – Fall			First Year – Spring		
BIOL 160	Molecular and Cellular Biology	4	BIOL 164	Animal Form/Systematics (J-Term)		2
CHEM 105	General Chemistry I	4	BIOL 166	Principles Comparative Physiology		2
IDFY 101	First Year Seminar*	3	BIOL 162	Plant Form and Function		3
COMM 105	Fundamentals of Oral Communication*	3	CHEM 106	General Chemistry II		4
WELL 1xx	Wellness Course*	1	IDCR 151	Created and Called for Community*		3
			Varies	1st Language*		3
	TOTAL	14		TO	TAL	17
	Sophomore – Fall	14		Sophomore – Spring	IAL	- 17
BIOL 260	Genetics and Development	4	BIBL 2xx	Encountering the Bible*		3
CHEM 309	Organic Chemistry I	4	BIOL 262	Ecology and Adaptation		4
ENGL xxx	Literature*	3	CHEM 310	Organic Chemistry II		4
MATH 108	Intuitive Calculus	3	STAT 269	Introductory Statistics		3
Varies	2 nd Language*	3	Varies	3 rd Language or Cross-Cultural*		3
Varios	Z Language		Varios	Canguage of Cross-Cultural		
	TOTAL	17		TC	TAL	17
	Junior – Fall			Junior – Spring		
BIOL 385	Physiology	4	BIOL 38x	Microbiology		4
CHEM 410	Biochemistry I	4	BIOL 393	Research Methods		1
PHIL 10x	Philosophy*	3	HIST xxx	History*		3
PHYS 201	Introduction to Physics	4	Varies	Non-Western Studies*		2-3
			Varies	Art, Music, Theatre or Dance*		3
			Varies	Social Science*		3
	TOTAL	45			TAI	16-17
_	TOTAL Senior – Fall	15		Senior – Spring	TAL	10-1/
BIOL xxx	Biodiversity/Adaptation Elective	3-4	BIOL 495	Natural Sciences Capstone		3
BIOL XXX	Biomedical Elective	3-4 3-4	BIOL 495	Biomedical Elective		3-4
BIOL XXX		3-4 1-2	THEO/RELI	Christian Beliefs*		3-4
IDS xxx	Senior Research Ethics/World Views/Pluralism*	1-2 3	Varies	Elective		3
Varies	<u> </u>	3				ა 3
varies	Elective	J	Varies	Elective		<u> </u>
	TOTAL	13-16		TO	TAL	15-16

*QuEST requirement

Students must have a minimum of 17 credits in their concentration. They must also have three 300/400 level lab courses OR two 300/400 level lab courses and one BIOL course with extensive field experience (BIOL 218, 296, or 297) within the major.

Students intending to pursue certain graduate level programs such as medical or veterinary school should also take PHYS 202 Intro to Physics II in the spring of the third year.

Biology B.S. with Cellular Concentration 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
BIOL 160	Molecular and Cellular Biology	4	BIOL 164	Animal Form/Systematics (J-Term)	2
CHEM 105	General Chemistry I	4	BIOL 166	Principles Comparative Physiology	2
IDFY 101	First Year Seminar*	3	BIOL 162	Plant Biology	3
COMM 105	Fundamentals of Oral Communication*	3	CHEM 106	General Chemistry II	4
WELL 1xx	Wellness Course*	1	IDCR 151	Created and Called for Community*	3
			Varies	1st Language*	3
	TOTA	L 15		TOTA	L 17
	Sophomore – Fall	<u> </u>		Sophomore – Spring	<u> </u>
BIOL 260	Genetics and Development	7	BIOL 262	Ecology and Adaptation	4
CHEM 309	Organic Chemistry I	4	CHEM 310	Organic Chemistry II	4
ENGL xxx	Literature*	3	PHIL 10x	Philosophy*	3
MATH 108	Intuitive Calculus	3	STAT 269	Introductory Statistics	3
			Varies	2 nd Language*	3
	TOTA	L 17		TOTA	L 17
	Junior – Fall	_,		Junior – Spring	:
BIBL 2xx	Encountering the Bible*	3	BIOL 412 OR BIOL 417	Cellular Biology OR Molecular Genetics	4
BIOL 413	Molecular Biology	4	BIOL 393	Research Methods	1
PHYS 201	Intro to Physics I	4	HIST xxx	History*	3
Varies	Social Science*	3	Varies	Non-Western Studies*	2-3
Varies	3 rd Language OR Cross-Cultural*	3	Varies	Art, Music, Theatre or Dance*	3
	TOTA	L 17		TOTA	L 13-14
	Senior – Fall	:		Senior – Spring	
BIOL xxx	Integrative Elective	3-4	BIOL 495	Natural Sciences Capstone	3
BIOL xxx	Biodiversity/Adaptation Elective	3-4	BIOL xxx	Cellular Biology elective	1-4
BIOL 422	Senior Research	1-2	THEO/RELI	Christian Beliefs*	3
IDS xxx	Ethics/World Views/Pluralism*	3	Varies	Elective	3
Varies	Elective	3	Varies	Elective	3
	TOTA	L 13-16		TOTA	L 13-16

*QuEST requirement

Biology B.S. with Ecological Concentration 8 Semester Plan

Course #	Course name	Credits	Course #	Course name		Credits
	First Year – Fall			First Year – Spring		
BIOL 160	Molecular and Cellular Biology	4	BIOL 164	Animal Form/Systematics (J-Term)		2
CHEM 105	General Chemistry I	4	BIOL 166	Principles Comparative Physiology		2
IDFY 101	First Year Seminar*	3	BIOL 162	Plant Biology		3
COMM 105	Fundamentals of Oral Communication*	3	CHEM 106	General Chemistry II		4
WELL 1xx	Wellness Course*	1	IDCR 151	Created and Called for Community*		3
			Varies	1st Language*		3
	TOTAL	15			TOTAL	17
	Sophomore – Fall	13		Sophomore – Spring	IOIAL	11
BIOL 260	Genetics and Development	4	BIOL 262	Ecology and Adaptation		4
CHEM 309	Organic Chemistry I	4	CHEM 310	Organic Chemistry II		4
ENGL xxx	Literature*	3	PHIL 10x	Philosophy*		3
MATH 108	Intuitive Calculus	3	STAT 269	Introductory Statistics		3
Varies	2 nd Language*	3	Varies	3 rd Language or Cross-Cultural*		3
	TOTAL	17			TOTAL	17
	Junior – Fall			Junior – Spring		
BIBL 2xx	Encountering the Bible*	3	BIOL 381 or	Microbiology OR		4
			BIOL 382	Microbiology for Health Professions		
BIOL 2xx	Integrative Biology elective	3-4	BIOL 393	Research Methods		1
PHYS 201	Introduction to Physics	4	HIST xxx	History*		3
Varies	Social Science*	3	Varies	Non-Western Studies*		2-3
			Varies	Art, Music, Theatre or Dance*		3
	TOTAL	13-14			TOTAL	13-14
	Senior – Fall	•		Senior – Spring		•
BIOL xxx	Biodiversity/Adaptation elective	4	BIOL 495	Natural Sciences Capstone		3
BIOL xxx	Ecological elective	3-4	BIOL xxx	Ecosystems elective		4
BIOL 422	Senior Research	1-2	THEO/RELI	Christian Beliefs*		3
IDS xxx	Ethics/World Views/Pluralism*	3	Varies	Elective		3
Varies	Elective	3	Varies	Elective		3
	TOTAL	14-16			TOTAL	16

*QuEST requirement

Biology B.S. with General Concentration

8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
BIOL 160	Molecular and Cellular Biology	4	BIOL 164	Animal Form/ Systematics (J-Term)	2
CHEM 105	General Chemistry I	4	BIOL 166	Principles Comparative Physiology	2
IDFY 101	First Year Seminar*	3	BIOL 162	Plant Biology	3
COMM 105	Fundamentals of Oral Communication*	3	CHEM 106	General Chemistry II	4
WELL 1xx	Wellness Course*	1	IDCR 151	Created and Called for Community*	3
			Varies	1st Language*	3
		\		TO	· A 1 47
	TOTA	AL 15		TO1	AL 17
BIOL 260	Sophomore – Fall	7	BIOL 262	Sophomore – Spring	
CHEM 309	Genetics and Development	7 4	CHEM 310	Ecology and Adaptation	4
	Organic Chemistry I			Organic Chemistry II	3
BIBL 2xx	Encountering the Bible*	3	PHIL 10x	Philosophy*	
MATH 108	Intuitive Calculus	3	STAT 269	Introductory Statistics	3
			Varies	2 nd Language*	J
	TOTA	AL 17		TOI	AL 17
	Junior – Fall	•		Junior – Spring	•
BIOL xxx	Elective	3	BIOL xxx	Cellular/Molecular Biology elective	4
ENGL xxx	Literature Integrative Biology	3-4	BIOL 393	Research Methods	1
PHYS 201	Introduction to Physics	4	HIST xxx	History*	3
Varies	Social Science*	3	IDNW xxx	Non-Western Studies*	2-3
Varies	3 rd Language OR Cross Cultural*	3	Varies	Art, Music, Theatre or Dance*	3
	TOTA	AL 16-17		TO	AL 13-14
	Senior – Fall			Senior – Spring	
BIOL xxx	Biodiversity/Adaptation Elective	3	BIOL 495	Natural Sciences Capstone	3
BIOL xxx	Biology elective	3-4	BIOL xxx	Biology elective	3-4
BIOL 422	Senior Research	1-2	THEO/RELI	Christian Beliefs*	3
IDS xxx	Ethics/World Views/Pluralism*	3	Varies	Elective	3
Varies	Elective	3	Varies	Elective	3
	TOTA	AL 13-15		TO1	AL 15-16

*QuEST requirement

Biology B.S. with Organismal Concentration 8 Semester Plan

Course #	Course name	Credits	Course #	Course name		Credits
	First Year – Fall			First Year – Spring		
BIOL 160	Molecular and Cellular Biology	4	BIOL 164	Animal Form/ Systematics (J-Term)		2
CHEM 105	General Chemistry I	4	BIOL 166	Principles Comparative Physiology		2
IDFY 101	First Year Seminar*	3	BIOL 162	Plant Biology		3
COMM 105	Fundamentals of Oral Communication*	3	CHEM 106	General Chemistry II		4
WELL 1xx	Wellness Course*	1	IDCR 151	Created and Called for Community*		3
			Varies	1st Language*		3
	TOTA	\L 15		7	TOTAL	17
	Sophomore – Fall			Sophomore – Spring		
BIOL 260	Genetics and Development	4	BIOL 262	Ecology and Adaption		4
CHEM 309	Organic Chemistry I	4	CHEM 310	Organic Chemistry II		4
ENGL xxx	Literature*	3	PHIL 10x	Philosophy*		3
MATH 108	Intuitive Calculus	3	STAT 269	Introductory Statistics		3
Varies	2 nd Language*	3	Varies	3 rd Language or Cross-Cultural*		3
	TOTA	AL 17			TOTAL	17
	Junior – Fall			Junior – Spring		
BIBL 2xx	Encountering the Bible*	3	BIOL 38x	Microbiology		4
BIOL xxx	Integrative Bio. elective	3-4	BIOL 393	Research Methods		1
PHYS 201	Introduction to Physics	4	HIST xxx	History*		3
Varies	Social Science*	3	Varies	Non-Western Studies*		2-3
			Varies	Art, Music, Theatre or Dance*		3
	TOTA	\L 13-14			TOTAL	13-14
	Senior – Fall			Senior – Spring		
BIOL xxx	Biodiversity/Adaptation elective	4	BIOL 495	Natural Sciences Capstone		3
BIOL xxx	Organismal elective	1-4	BIOL xxx	Biodiversity/Adaptation elective		4
BIOL 422	Senior Research	1-2	THEO/RELI	Christian Beliefs*		3
IDS xxx	Ethics/World Views/Pluralism*	3	Varies	Elective		3
Varies	Elective	3	Varies	Elective		3
	TOTA	AL 12-16		7	TOTAL	16

*QuEST requirement

Biology (B.S.) with Secondary Teaching Certification 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
BIOL 160	Molecular and Cellular Biology	4	BIOL 164	Animal Form/ Systematics (J-Term)	2
CHEM 105	General Chemistry I	4	BIOL 166	Principles Comparative Physiology	2
COMM 105 a	Fundamentals of Oral Communication*	3	BIOL 162	Plant Biology	3
IDFY 101 a	First Year Seminar*	3	CHEM 106	General Chemistry II	4
Varies	1st Language*	3	IDCR 151	Created and Called for Community*	3
			Varies	2st Language*	3
				Submit the three required security clearances	
				(FBI, Child Abuse, Criminal) by 3/31 to B414.	
	TOTAL	17		TOTAL	. 17
	Sophomore – Fall	· · · · · · · · · · · · · · · · · · ·		Sophomore – Spring	-
BIOL 260	Genetics and Development	4	BIOL 262	Ecology and Adaptation	4
CHEM 204	Intro to Organic Chemistry	4	EDUC 346	Sociocultural Perspectives in Education	3
ENGL 122-176 a	Literature*	3	EDSP 207c	Intro to Special Ed	3
MATH 108 a	Intuitive Calculus	3	EDUC 203°	Educational Psychology	3
Varies	3rd Language or Cross Cultural*	3	EDUC 210°	Sophomore Field Experience	0
			STAT 269a	Introductory Statistics	3
			WELL 1xx	Wellness Course*	1
				Submit Teacher Ed. Program application by 3/31 to B414.	
	TOTAL	17		TOTAL	. 17
	Junior – Fall	111		Junior – Spring	- 17
BIOL xxx	Integrative Biology Elective	3-4	BIBL 20x	Knowledge of the Bible*	3
BIOL XXX	Cellular Biology Elective	4	EDUC 331 bc	Instruct. Design & Assessment	3
PHIL 10x	Philosophy*	3	EDSP 307 b	Inclusion Practices	3
PHYS 201		4	EDUC 310 bc		0
PH 13 201	Intro to Physics I	4		Junior Field Experience	
	Cubarit professional compater can bu	1	ENGL 330 bc	TESOL Methodology	3
	Submit professional semester app. by 11/1 to B414.		ESS 201	Earth and Space Science	3
			SCI 307	Teaching Lab Sciences in Secondary Education	1
	TOTAL	14-15		TOTAL	. 16
	Senior – Fall			Senior – Spring	
	Professional Semester		BIOL 495	Capstone	3
BIOL 407 b c	Secondary Science C&I	1	BIOL xxx	Integrative/Botany Elective	3-4
EDUC xxx b c	Student Teaching	8	HIST 1xx	History*	3
EDUC 420 b c	Professional Issues	2	THEO/RELI	Christian Beliefs*	3
			Varies	Art, Music, Theatre, or Dance*	3
	TOTAL	11		TOTAL	. 15-16

*QuEST requirement

^a Indicates requirement for admission to the TEP

b Indicates a course that cannot be taken until the student is admitted to the TEP

^c Indicates courses that must be taken concurrently

Biopsychology B.S. 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
BIOL 160**	Molecular and Cellular Biology	4	BIOL 164**	Animal Form/Systematics (J-Term)	2
CHEM 105	General Chemistry I	4	BIOL 166	Principles Comparative Physiology	2
IDFY 101	First Year Seminar*	3	CHEM 106	General Chemistry II	4
PSYC 099**	Writing for Psychology	1	IDCR 151	Created and Called for Comm.*	3
PSYC 101	Introduction to Psychology	3	STAT 269 OR MATH xxx	Statistics (recommended) OR Mathematical Science	3
WELL 1xx	Wellness Course*	1			
	TOTAL	16		TOTA	L 17
	Sophomore – Fall			Sophomore – Spring	
BIBL 2xx	Encountering the Bible*	3	CHEM 310***	Organic Chemistry II	4
BIOL 260**	Genetics and Development	4	Varies	Language course*/ elective	3
CHEM 309***	Organic Chemistry I	4	PSYC 209	Life Span Development	1
PSYC 204 OR	Cognition OR	3	PSYC 272	Research Methods in Psychology	3
PSYC 319	Abnormal Psychology		Varies	Elective	3
Varies or PSYC 271	Language course* or Statistics (if MATH xxx taken)	3			
	TOTAL	17		TOTA	L 14
	Junior – Fall	•		Junior – Spring	
BIOL 387	Neuroscience	3	BIOL xxx	Biology elective†	3-4
ENGL xxx	Literature*	3	COMM 105	Fundamentals of Oral Communication*	3
Varies	Language or Cross-Cultural*	3	Varies	Language or Cross-Cultural*	3
PSYC 350	Biological Basis of Behavior	3	PHIL 10x	Philosophy*	3
Varies	Elective	3	PSYC 351	Sensation and Perception	3
	TOTAL	15		TOTA	L 15-16
	Senior – Fall			Senior – Spring	
BIOL xxx	Biology elective	3-4	BIOL/PSYC 495	Capstone Biology OR Psychology	3
Varies	Non-Western Studies*	2-3	HIST xxx	History*	3
PSYC 408	Experimental Psychology	3	THEO/RELI	Christian Beliefs*	3
Varies	Ethics/World Views/Pluralism*	3	Varies	Art, Music, Theatre or Dance*	3
Varies	Elective	3	Varies	Elective	3
	TOTAL	14-16		TOTA	L 15

*QuEST requirement

^{**}Students may take BIOL 185, 186, 189 and PSYC 099 in place of BIOL 160, 162, 164, 166 and 260.
*** Students may take CHEM 204 in place of CHEM 309 and 310.
† Needed only if CHEM 204 taken

Environmental Science 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
BIOL 160	Molecular and Cellular Biology	4	BIOL 164	Animal Form/Systematics (J-Term)	2
CHEM 105	General Chemistry I	4	BIOL 166	Principles Comparative Physiology	2
IDFY 101	First Year Seminar*	3	BIOL 162	Plant Biology	3
WELL 1xx	Wellness*	1	CHEM 106	General Chemistry II	4
Varies	1 st Language*	3	IDCR 151	Created and Called for Community*	3
			Varies	2 nd Language	3
	TOTAL	15		TOTAL	_ 17
	Sophomore – Fall			Sophomore – Spring	
GEOL 201	Foundations of Geology	4	BIOL 262	Ecology & Adaptation	4
CHEM 204	Intro to Organic Chemistry	4	CHEM 240	Environmental Chemistry+	4
ENGL 174	Literature & the Environment	3	GIS 245	Intro to Geo. Info. Systems	3
COMM 105	Fundamentals of Oral Communication*	3	STAT 269	Statistics	3
ENVS 216	Envi. Issues/Sust. Sol. (if BIOL 334 not taken)	3	Varies	3 rd Language or Cross-Cultural*	3
	TOTAL	17		TOTAI	_ 17
	Junior – Fall			Junior – Spring	
ENVS 315	Environmental Ethics	3	BIOL 3xx	Ornithology or Herpetology	4
ENVS 270/271	Environmental Techniques	2	HIST 1xx	History*	3
BIBL 2xx	Encountering the Bible*	3	PHIL/RELI	Philosophy/Religion*	3
THEO/RELI	Christian Beliefs*	3	Varies	Arts*	3
Varies	Elective	3	Varies	Elective	3
	TOTAL	14		TOTAL	_ 16
	Senior – Fall			Senior – Spring	-, .,
BIOL 332	Plant Taxonomy/Systematics	4	ENVS 495	Environmental and Sustainability Studies Capstone	3
BIOL 422 OR	Senior Research OR	1-4	INTE 391	Internship (if not taken in Fall)	1-4
INTE 391	Internship		IDCC 260	Cross-Cultural	3
IDNW 2xx	Non-Western Studies	2-3	BIOL	Plant Ecology (if ENVS 216 not taken)	4
Varies	Electives	1-3	Varies	Elective	3-5
	TOTAL		- auiromont	TOTAI	_ 14-19

*QuEST requirement

Note 1: All Environmental Science majors must take CHEM 204 and CHEM 240. Those students intending to enter graduate school and whose work will involve a significant amount of chemical emphasis should substitute CHEM 309 and 310 for CHEM 204.

Note 2: All Environmental Science majors are encouraged to complete one course at AuSable Institute. AuSable courses can count only as elective credit. Majors are encouraged to do an internship and/or research experience.

- + Offered fall, odd years only.
- ++ Offered spring, even years only.

Molecular Biology B.S. 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
BIOL 160	Molecular and Cellular Biology	4	BIOL 164	Animal Form/Systematics (J-Term)	2
CHEM 105	General Chemistry I	4	BIOL 166	Principles Comparative Physiology	2
IDFY 101	First Year Seminar*	3	BIOL 162	Plant Biology	3
WELL 1xx	Wellness Course*	1	CHEM 106	General Chemistry II	4
Varies	Social Science	3	COMM 105	Fundamentals of Oral Communication*	3
			IDCR 151	Created and Called for Community*	3
	TOTAL	15		TOTA	AL 17
	Sophomore – Fall			Sophomore – Spring	
BIOL 260	Genetics and Development	4	CHEM 310	Organic Chemistry II	4
CHEM 309	Organic Chemistry I	4	BIBL 20x	Encountering the Bible*	3
MATH 108/111	Calculus	3/4	STAT 269	Introductory Statistics	3
IDNW 2xx	Non-Western Studies	2/3	Varies	Art, Music, Theatre or Dance*	3
Varies	1st Language	3	Varies	2 nd Language*	3
	TOTAL	16-18		TOTA	AL 16
	Junior – Fall			Junior – Spring	
BIOL 413	Molecular Biology**	4	BIOL 417	Molecular Genetics**	4
CHEM 410	Biochemistry I**	4	CHEM 412	Biochemistry II**	4
BIOL 385	Physiology	4	HIST 1xx	History*	3
PHIL/RELI	Philosophy/Religion*	3	ENGL xxx	Literature*	3
			Varies	3 rd Language or Cross-Cultural*	3
	TOTAL	15		TOTA	AL 17
	Senior – Fall			Senior – Spring	
PHYS 201	Intro to Physics I**	4	BIOL 412	Cell Biology*	4
THEO/RELI	Christian Beliefs*	3	BIOL/CHEM	Biology/Chemistry Elective	4
Varies	Ethics/World Views/Pluralism*	3	BIOL 495	Natural Science Capstone	3
Varies	Elective	3	PHYS 202	Intro to Physics II**	4
Varies	Elective	3			
	TOTAL	16		TOTA	AL 15

*QuEST requirement

^{**}Interchangeable between junior and senior year. Note that BIOL 413 is a pre-requisite for BIOL 417, and that BIOL 417 is only offered every other spring.

Sustainability Studies (B.A.) with Community Development concentration 8-semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
COMM 105	Fundamentals of Oral Communication*	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	varies	2 nd Language*	3
PHIL/RELI	Philosophy/Religion*	3	STAT 269	Statistics or Quest mathematics	3-4
ENVS 140	Intro to Ecology & Sustainability** (meets lab sci)	3	SOCI 212	Cultural Anthropology (meets NW)	3
varies	1st Language course*	3	HIST 1xx	History*	3
	TOTAL	15		TOTAL	15-16
	Sophomore – Fall	13		Sophomore – Spring	13-10
varies	3 rd Language or Cross-Cultural*	3	Varies	Art, Music, Theatre or Dance*	3
BIBL 20x	Knowledge of the Bible*	3	WELL 1xx	Wellness Course*	1
DIDL ZUX		3	GIS 245	Intro to Geographic Information System (alt	l
Varies	Major Elective (ECON 117, POLI 113, SOCI 315 or STAT 269)	J	GIS 245	year) or Major Elective (ECON 117, POLI 113, SOCI 315 or STAT 269)	3
ENVS 216	Environmental Issues (meets STW)	3	BIOL 162	Plant Biology	3
CHEM 103	Chemical Science	3	ENGL 1xx	Literature* (suggested: 174)	3
			Varies	Minor or Free Elective	2-3
	TOTAL	15		TOTAL	15-16
	Junior – Fall			Junior – Spring	
ENVS 315	Environmental Ethics (meets Ethics)	3	SOCI 310	Food, Power and Society (meets social sci)	3
BIOL 334	Plant Ecology	3	BIOL 335	Plant Propagation	3
Varies	Concentration Elective	3	GIS 245	Intro to Geographic Information System (alt year) or Major Elective (ECON 117, POLI 113, SOCI 315 or STAT 269)	3
varies	Minor or Free Elective	3	Varies	Concentration Elective	3
Varies	Concentration Elective	3	varies	Minor or Free Elective	3
	TOTAL	15		TOTAL	15
	Senior – Fall			Senior – Spring	
varies	Minor or Free Elective or Study Abroad	3	SUST 495	Environmental Science and Sustainability Capstone	3
varies	Minor or Free Elective or Study Abroad	3	INTE 391 <u>OR</u> SOCI 395	Internship Practicum	3
varies	Minor or Free Elective or Study Abroad	3	varies	Minor or Free Elective	3
varies	Minor or Free Elective or Study Abroad	3	varies	Minor or Free Elective	3
varies	Minor or Free Elective or Study Abroad	3	varies	Minor or Free Elective	3
	TOTAL	15		TOTAL	15

*QuEST requirement

- ECON 117 and GIS 245 alternate years but BOTH occur in the same spring).
- This does not include your AuSable Institute options of BIOL\AGRIC\GEOG 303- Tropical Agriculture which meets in May term in Costa Rica or BIOL\AGRIC\GEOG 343 International Development and Environmental Sustainability which meets in Washington State mid-July through Mid-August. Financial Aid deadlines for these courses are 12/15 of the winter before, 2/15 and 3/15 of the course year.

III. BUSINESS

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Guidelines for Mathematical Sciences Courses

All students in these majors are required to take one of: MATH 107, MATH 108, or MATH 111, except for Finance and Economics majors who must choose MATH 108 or MATH 111. MATH 108 is a calculus course without a lab component that does not include trigonometric functions. MATH111 is a more rigorous calculus course, advised for students who are planning to attend graduate school.

Students with Advanced Placement credit: Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. The College awards the following credit for AP scores:

If you took this AP exam	And scored:	Then you will receive credit	And should enroll in
		for	
Computer Science A	3, 4, or 5	CIS 181 (3 credits)	CIS 182
Computer Science AB	3 4 or 5	CIS 181 (3 credits)	CIS 182, CIS 281
		CIS 181, 182 (6 credits)	
Calculus AB	3 or 4 5	MATH 111 (4 credits)	MATH 112
		MATH 111, 112 (8 credits)	MATH 112 or MATH 211
Calculus BC	2 3 4 or 5	MATH 111 (4 credits)	MATH 112
		MATH 111,112 (8 credits)	MATH 112 or MATH 211
		MATH 111,112, 211 (12	MATH 261 or MATH 308
		credits)	
Physics B	3 4 or 5	PHYS 201 (4 credits)	PHYS 202 or PHYS 212**
		PHYS 201, 202 (8 credits)	
Physics C: Mechanics	3, 4 or 5	PHYS 211 (4 credits)	PHYS 212
Physics C: E&M	3, 4 or 5	PHYS 211, 212 (8 credits)	MATH 111,112, 211,or 308
Statistics	3, 4 or 5	STAT 269 (3 credits)	STAT 281***

^{*} Students who receive credit for MATH 112 are not necessarily advised to bypass the course. Our MATH 112 course covers infinite sequences and series, which are typically not included in AP courses. Talk to your academic advisor or the Mathematical Sciences Department Chair about your particular situation.

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^{**} Mathematics majors are required to take the PHYS 211/212 sequence rather than PHYS 201/202. However, if a student receives AP credit for both PHYS 201 and 202, the 211/212 requirements are waived.

^{***} AP Statistics is not a calculus-based course or exam. Mathematics majors who receive AP credit for Statistics are still required to take STAT 281 for the major requirement.

Accounting (B.S.) 8 Semester Plan

*QuEST requirement

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
ACCT 141	Financial Accounting	3	ACCT 242	Managerial Accounting	3
BUSA 102	Opportunities in Business	1	ECON 220	Principles of Microeconomics	3
COMM 105	Oral Communication*	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	Varies	1st language*	3
CIS 190	Strategic Use of Information Technology	3	MATH 107,	Applied Math for Management, intuitive	3-4
			108 <u>or</u> 111	Calculus with App., or Calculus I	
ECON 120	Macroeconomics	3			
WELL xxx	Wellness course* (1st or 2nd year)	1			
	TOTAL	17		TOTAL	15-16
	Sophomore – Fall	·		Sophomore – Spring	•
ACCT 343	Cost Accounting	3	ACCT 301	Intermediate Accounting I	3
BUSA 120	Principles of Management	3	ENGL xxx	Literature* (1st or 2nd year)	3
FINA 305	Financial Management	3	HIST	History* (1st or 2nd year)	3
Varies	2nd language (1st or 2nd year)	3	MRKT 130	Marketing Principles	3
Varies	Laboratory Science* (1st year)	3-4	Varies	3rd language/Cross Cultural* (2 nd or 3 rd yr)	3
			Varies	Free Elective/Minor	3
	TOTAL	15-16		TOTAL	18
	Junior – Fall	13-10		Junior – Spring	10
ACCT 302	Intermediate Accounting II	3	ACCT 303	Intermediate Accounting III	3
ACCT 347	Federal Individual Income Taxes	3	BUSA 370	Moral Issues in Business	3
STAT 281	Applied Statistics for Management	3	BUSA 381	Business Law	3
BIBL 20x	Knowledge of the Bible* (2 nd yr)	3	Varies	Art, Music or Theatre* (1st or 2nd year)	3
PHIL/RELI	Philosophy/Religion* (1st or 2nd year)	3	THEO 2xx	Christian Beliefs* (2 nd or 3 rd yr)	3
				·	
	TOTAL	15		TOTAL	15
	Senior – Fall			Senior – Spring	
ACCT 440	Advanced Accounting	3	Varies	Free Elective/Minor	3
ACCT 442	Auditing	3	Varies	Free Elective/Minor	3
IDST xxx	Science, Tech, & World* (3rd or 4th year)	3	Varies	Free Elective/Minor	3
IDNW xxx	Non-Western Studies* (2 nd or 3 rd yr)	2-3	Varies	Free Elective	3
BUSA 459	Strategic Management	3	Varies	Free Elective	3
	TOTAL	14-15		TOTAL	15

Business Administration (B.S.) 8 Semester Plan

*QuEST requirement

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall		•		First Year – Spring	•
ACCT 141	Financial Accounting	3	Varies	Free Elective	3
BUSA 102	Opportunities in Business	1	ECON 120	Macroeconomics	3
COMM 105	Oral Communication*	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	Varies	2 nd language* (1 st or 2 nd year)	3
Varies	1 st language*	3	MATH 107,	Applied Math for Management, intuitive	3-4
			108 or 111	Calculus with App., or Calculus I	
BUSA 120	Principles of Management	3			
		4.0			45.40
	TOTAL	16		TOTAL	15-16
010 400	Sophomore – Fall	Ţ		Sophomore – Spring	· · · · · · · · · · · · · · · · · · ·
CIS 190	Strategic Use of Information Technology	3	ECON 220	Principles of Microeconomics	3
ENGL xxx	Literature* (1st or 2nd year)	3	HIST xxx	History* (1st or 2nd year)	3
Varies	Laboratory Science* (1st year)	3-4	Varies	HRM or LEAD Elective	3
MRKT 130	Marketing Principles	3	Varies	3rd language/Cross Cultural* (2nd or 3rd yr)	3
WELL xxx	Wellness course* (1st or 2nd year)	1	STAT 281	Applied Statistics for Management	3
ACCT 242	Managerial Accounting	3			
	TOTAL	16-17		TOTAL	15
	Junior – Fall	1		Junior – Spring	1
BIBL 20x	Knowledge of the Bible* (2nd year)	3	Varies	Art, Music or Theatre* (1st or 2nd year)	3
PHIL/RELI	Philosophy/Religion* (1st or 2nd year)	3	BUSA 381	Business Law	3
Varies	Major Option: BUSA, ECON or MRKT	3	THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3
Varies	Major Elective	3	FINA 305	Financial Management	3
Varies	Free Elective	3	Varies	Major Elective	3
	TOTAL	15		TOTAL	15
	Senior – Fall	i -		Senior – Spring	-
IDST xxx	Science, Tech, & World* (3rd or 4th year)	3	BUSA 459	Strategic Management	3
IDNW xxx	Non-Western Studies* (2 nd or 3 rd year)	2-3	Varies	Major Elective	3
Varies	Major Elective	3	Varies	Free Elective	3
Varies	Major Elective	3	Varies	Free Elective	3
Varies	Free Elective	3	Varies	Ethics/World View/Pluralism*	3
Varies	Free Elective	3			
	TOTAL	17-18		TOTAL	15

Business Administration (B.S.) Entrepreneurship Concentration 8 Semester Plan

*QuEST requirement

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall				First Year – Spring	
ACCT 141	Financial Accounting	3	ECON 120	Macroeconomics	3
BUSA 102	Opportunities in Business	1	IDCR 151	Created and Called for Community*	3
COMM 105	Oral Communication*	3	Varies	2 nd Language* (1 st or 2 nd year)	3
IDFY 101	First Year Seminar*	3	MATH 107, 108 <u>or</u> 111	Applied Math for Management, intuitive Calculus with App., or Calculus I	3-4
Varies	1st Language*	3	CIS 190	Strategic Use of Information Technology	3
BUSA 120	Principles of Management	3			
	TOTAL	16		TOTAL	15-16
	Sophomore – Fall	10		Sophomore – Spring	10 10
ACCT 242	Managerial Accounting	3	HIST xxx	History* (1st or 2nd year))	3
ENGL xxx	Literature* (1st or 2nd year)	3	BIBL 20x	Knowledge of the Bible* (2 nd year)	3
Varies	Laboratory Science* (1st year)	3-4	Varies	3 rd language/Cross Cultural* (2 nd or 3 rd yr)	
MRKT 130	Marketing Principles	3	STAT 281	Applied Statistics for Management	3 3
WELL xxx	Wellness course* 1st or 2nd year)	1	Varies	Free Elective	3
ECON 220	Principles of Microeconomics	3	Varies	Free Elective	3
	TOTAL	16-17		TOTAL	18
	Junior – Fall	1		Junior – Spring	1
MRKT 339	Market Research	3	varies	Art, Music or Theatre* (1st or 2nd year)	3
PHIL/RELI	Philosophy/Religion* (1st or 2nd year)	3	BUSA 381	Business Law	3
BUSA 380	Small Business Development	3	THEO 2xx	Christian Beliefs* (2 nd or 3 rd yr)	3
Varies	Major Elective	3	Varies	Free Elective	3
FINA 305	Financial Management	3	BUSA 385	Entrepreneurship	3
	TOTAL	15		TOTAL	15
	Senior – Fall	1		Senior – Spring	
IDST xxx	Science, Tech, & World* (3rd yr or 4th)	3	BUSA 459	Strategic Management	3
IDNW xxx	Non-Western Studies* (2 nd or 3 rd yr)	2-3	BUSA 356, 360, 405 or ECON 302	Decision-Making Tools, Operations Management, Supply Chain Management, or Intermediate Microeconomics	3
LEAD 312 or MRKT 333, 337, 357	Leading Org. Change, Consumer Behavior, Integrated Marketing Comm., Personal Selling	3	Varies	Free Elective	3
Varies	Free Elective	3	Varies	Free Elective	3
BUSA 310	Business as a Ministry	3	Varies	Ethics/World View/Pluralism*	3
	TOTAL	14-15		TOTAL	15

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Business Administration (B.S.) Human Resource Management Concentration 8 Semester Plan

*QuEST requirement

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall				First Year – Spring	
ACCT 141	Financial Accounting	3	CIS 190	Strategic Use of Information Technology	3
BUSA 102	Opportunities in Business	1	ECON 120	Macroeconomics	3
COMM 105	Oral Communication*	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	Varies	2 nd language* (1 st or 2 nd year)	3
Varies	1 st language*	3	MATH 107, 108 <u>or</u> 111	Applied Math for Management, intuitive Calculus with App., or Calculus I	3-4
BUSA 120	Principles of Management	3			
	TOTAL	16		TOTAL	15-16
	Sophomore – Fall	:		Sophomore – Spring	:
ACCT 242	Managerial Accounting	3	ECON 220	Principles of Microeconomics	3
Varies	Free Elective	3	HIST xxx	History* (1st or 2nd year)	3
ENGL xxx	Literature* (1st or 2nd year)	3	HRM 301	Human Resource Management	3
HRM 311	Organizational Behavior	3	PHIL/RELI	Philosophy/Religion* (1 st or 2 nd year)	3
MRKT 130	Marketing Principles	3	STAT 281	Applied Statistics for Management	3
WELL xxx	Wellness course* (1st or 2nd year)	1			
	TOTAL	16-17		TOTAL	15
	Junior – Fall			Junior – Spring	:
BIBL 20x	Knowledge of the Bible* (2nd or 3rd year)	3	Varies	Art, Music or Theatre* (1st or 2nd year)	3
Varies	3rd language/Cross Cultural* (2nd or 3rd yr)	3	BUSA 381	Business Law	3
HRM 312	Leading Organizational Change	3	THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3
Varies	Major Elective	3	FINA 305	Financial Management	3
Varies	Free Elective	3	Varies	Laboratory Science* (1 St year)	3-4
	TOTAL	15		TOTAL	15-16
	Senior – Fall			Senior – Spring	•
IDST xxx	Science, Tech, & World* (3 rd or 4 th year)	3	BUSA 459	Strategic Management	3
IDNW xxx	Non-Western Studies* (2nd or 3rd year)	2-3	Varies	Major Elective	3
HRM or ECON		3	Varies	Free Elective	3
BUSA, ECON or MRKT	Major Option	3	Varies	Free Elective	3
Varies	Free Elective	3	Varies	Ethics/World View/Pluralism*	3
Varies	Free Elective	3			
	TOTAL	17-18		TOTAL	15

Business Administration (B.S.) Leadership Concentration 8 Semester Plan

*QuEST requirement

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall		First Year – Spring			
ACCT 141	Financial Accounting	3	CIS 190	Strategic Use of Information Technology	3
BUSA 102	Opportunities in Business	1	ECON 120	Macroeconomics	3
COMM 105	Oral Communication*	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	Varies	2 nd language* (1 st or 2 nd year)	3
Varies	1 St language*	3	MATH 107, 108 or 111	Applied Math for Management, intuitive Calculus with App., or Calculus I	3-4
BUSA 120	Principles of Management	3			
	TOTAL	16		TOTAL	15-16
_	Sophomore – Fall	i		Sophomore – Spring	
ACCT 242	Managerial Accounting	3	HIST xxx	History* (1 st or 2 nd year)	3
ENGL xxx	Literature* (1st or 2nd year)	3	BUSA 310	Business as a Ministry	3
Varies	Laboratory Science* (1 St year)	3-4	Varies	3 rd language/Cross Cultural* (2 nd or 3 rd yr)	3
MRKT 130	Marketing Principles	3	STAT 281	Applied Statistics for Management	3
WELL xxx	Wellness course* (1st or 2nd year)	1	Varies	Free Elective	3
ECON 220	Principles of Microeconomics	3	Varies	Free Elective	3
	TOTAL	16-17		TOTAL	18
	Junior – Fall	10-17		Junior – Spring	10
BIBL 20x	Knowledge of the Bible* (2 nd year)	3	varies	Art, Music or Theatre* (1st or 2 nd year)	3
PHIL/RELI	Philosophy/Religion* (1st or 2nd year)	3	BUSA 381	Business Law	3
LEAD 310	Leadership Theory & Development	3	THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3
LEAD 312	Leading Organizational Change	3	FINA 305	Financial Management	3
Varies	Free Elective	3	LEAD 320	Learning to Lead (J-Term)	3
	TOTAL	15		TOTAL	15
	Senior – Fall			Senior – Spring	
IDST xxx	Science, Tech, & World* (3 rd or 4 th year)	3	BUSA 459	Strategic Management	3
IDNW xxx	Non-Western Studies* (2nd or 3rd year)	2-3	Varies	Major Elective	3
COMM 301, 333, 353 or HRM 311	Persuasion, Business & Org. Communication, Crisis Comm & Media Relations, or Organizational Behavior	3	Varies	Free Elective	3
Varies	Free Elective	3	Varies	Free Elective	3
BUSA 356	Decision-Making Tools in Management	3	Varies	Ethics/World View/Pluralism*	3
	TOTAL	14-15		TOTAL	15

Business Administration (B.S.) Technology and Operations Management Concentration 8 Semester Plan

*QuEST requirement

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall				First Year – Spring	•
ACCT 141	Financial Accounting	3	CIS 190	Strategic Use of Information Technology	3
BUSA 102	Opportunities in Business	1	ECON 120	Principles of Macroeconomics	3
COMM 105	Oral Communication*	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	Varies	2 nd language* (1 st or 2 nd year)	3
Varies	1 st language*	3	MATH 107, 108 or 111	Applied Math for Management, intuitive Calculus with App., <u>or</u> Calculus I	3-4
BUSA 120	Principles of Management	3			
	TOTAL	16		TOTAL	15-16
	Sophomore – Fall			Sophomore – Spring	
ACCT 242	Managerial Accounting	3	HIST xxx	History* (1 st or 2 ^{nα} year)	3
ENGL xxx	Literature* (1st or 2nd year)	3	Varies	3rd language/Cross Cultural* (2nd or 3rd yr)	3
Varies	Laboratory Science* (1st year)	3-4	STAT 281	Applied Statistics for Management	3
MRKT 130	Marketing Principles	3	Varies	Free Elective	3
WELL xxx	Wellness course* (1st or 2nd year)	1	Varies	Free Elective	3
ECON 220	Principles of Microeconomics	3			
	TOTAL	16-17		TOTAL	15
	Junior – Fall			Junior – Spring	
BIBL 20x	Knowledge of the Bible* (2 nd year)	3	varies	Art, Music or Theatre* (1st or 2nd year)	3
PHIL/RELI	Philosophy/Religion* (1 St or 2 nd year)	3	BUSA 381	Business Law	3
Varies	Free Elective	3	THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3
CIS xxx	CIS option	3	FINA 305	Financial Management	3
BUSA 405	Supply Chain Management	3	Varies	Free Elective	3
	TOTAL	15		TOTAL	15
	Senior – Fall			Senior – Spring	i -
BUSA 358	Making a Better World?	3	BUSA 459	Strategic Management	3
IDNW xxx	Non-Western Studies* (2 nd or 3 rd year)	2-3	Varies	Major Elective	3
Varies	Major Elective	3	Varies	Free Elective	3
Varies	Free Elective	3	CIS xxx	CIS option	3
BUSA 360	Operations Management	3	Varies	Ethics/World View/Pluralism*	3
Varies	Free Elective	3			
	TOTAL	17-18		TOTAL	15

Economic Development (B.A.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall				First Year – Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
COMM 105	Oral Communication*	3	ECON 220	Principles of Macroeconomics	3
BUSA 102	Opportunities in Business	1	WELL 1xx	Wellness course*	1
ECON 120	Principles of Macroeconomics*	3	BUSA 120	Principles of Management	3
MATH 108 or MATH 111	Intuitive Calculus with Applications or Calculus I*	3-4	STAT 269 or STAT 281	Introductory Statistics	3
Varies	1st language*	3	Varies	2 nd language* (1 st or 2 nd year)	3
	TOTAL	16-17		TOTA	L 16
	Sophomore – Fall			Sophomore – Spring	
Varies	3 rd Language or Cross Cultural*	3	HIST 1xx	History* (1st or 2nd year) meeting QuEST	3
BIBL 20x	Knowledge of the Bible* (2 nd year)	3	PHIL/RELI	Philosophy/Religion* (1 st or 2 nd year)	3
SOCI 212	Cultural Anthropology*	3	ACCT 131	Survey of Accounting	3
MRKT 130	Marketing Principles	3	ECON 312	Economic Development I	3
POLI 212 or 213	International Politics or Comparative Politics	3	ENGL 1xx	Literature* meeting QuEST	3
	TOTAL	15		TOTA	L 15
	Junior – Fall	•		Junior – Spring	•
ECON 301 or	Intermediate Macroeconomics or	2	ECON 303 or	Comparative Political Economy or	3
ECON 302	Intermediate Microeconomics	3	IBI 331	Comparative Economic Systems	ა
ECON 313	Economic Development II	3	FINA 305	Financial Management	3
ECON 371	Microfinance	3	Varies	Economic Development Elective	3
THEO 2xx	Christian Beliefs* (2nd or 3rd year)	3	Varies	Laboratory Science*	3-4
Varies	Free Elective	3	Varies	Ethics/World View/Pluralism***	3
	TOTAL	15			
	Senior – Fall			Senior – Spring	
ECON 301 or ECON 302	Intermediate Macroeconomics or Intermediate Microeconomics	3	BUSA 459	Strategic Management	3
IBI 350 or IBUS 375	International Trade and Finance or International Business and World Economy	3	Varies	Economic Development Elective	3
Varies	Art, Music or Theatre* (1st or 2nd year)	3	Varies	Free Elective or minor	3
Varies	Science, Tech & the World **	3	Varies	Free Elective or minor	3
Varies	Free Elective or minor	3	Varies	Free Elective or minor	3
	TOTAL	15		TOTA	L 15

^{*}Meets QuEST requirement.

** Not needed if completing BIOL 216 as an Economic Development elective

***Not needed if completing ENVS 315 as an Economic Development elective

Economics (B.A.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall			First Year – Spring		
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
ECON 120	Principles of Macroeconomics	3	ECON 220	Principles of Microeconomics	3
BUSA 102	Opportunities in Business	1	WELL xxx	Wellness course* (1st or 2nd year)	1
MATH 108 or	Intuitive Calculus with Applications or	3-4	STAT 269 or	Introductory Statistics	3
MATH 111	Calculus I*	3-4	STAT 281	Applied Statistics for Management	ა
Varies	1st language*	3	Varies	2nd language* (1st or 2nd year)	3
COMM 105	Oral Communication*	3	BUSA 120	Principles of Management	3
	TOTAL	16-17		TOTAL	16
	Sophomore – Fall	-		Sophomore – Spring	
BIBL 20x	Knowledge of the Bible* (2nd year)	3	PHIL/RELI	Philosophy/Religion* (1st or 2nd year)	3
Varies	3rd Language or Cross Cultural	3	FINA 305	Financial Management	3
ACCT 141	Financial Accounting	3	ENGL 1xx	Literature* meeting QuEST	3
CIS 190	Strategic Use of Information Technology	3	HIST 1xx	History* (1st or 2nd year) meeting QuEST	3
MRKT 130	Marketing Principles	3	varies	Art, Music or Theatre* (1st or 2nd year)	3
	TOTAL	15		TOTAL	15
	Junior – Fall	•		Junior – Spring	
ECON 301 or	Intermediate Macroeconomics or	3		Comparative Political Economy or	
ECON 302	Intermediate Microeconomics	J	ECON 303 or	Comparative Folitical Economy of	3
ECON or IBUS	Economics Option	3	IBI 331	Comparative Economic Systems	Ŭ
THEO 2xx	Christian Beliefs* (2nd or 3rd year)	3	ECON	Economics Option	3
Varies	Ethics/World View/Pluralism***	3	Varies	Laboratory Science*	3-4
Varies	Free Elective or minor	3	Varies	Free Elective or minor	3
			Varies	Free Elective or minor	3
	TOTAL	15		TOTAL	15-16
	Senior – Fall			Senior – Spring	
ECON 301 or	Intermediate Macroeconomics or	3	ECON	Economics Option	3
ECON 302	Intermediate Microeconomics	J	LOOIN	<u> </u>	J
ECON or IBUS	Economics Option	3	Varies	Science, Tech & the World **	3
Varies	Non-Western Studies*	2-3	Varies	Free Elective or minor	3
Varies	Free Elective or minor	3	Varies	Free Elective or minor	3
Varies	Free Elective or minor	3	Varies	Free Elective or minor	3
	TOTAL	14-15		TOTAL	15

^{*}QuEST requirement

Economics (B.S.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall			First Year – Spring		
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
ECON 120	Principles of Macroeconomics	3	ECON 220	Principles of Microeconomics	3
BUSA 102	Opportunities in Business	1	WELL xxx	Wellness course* (1st or 2nd year)	1
MATH 108 or	Intuitive Calculus with Applications or	3-4	STAT 269 or	Introductory Statistics	3
MATH 111	Calculus I*	3-4	STAT 281	Applied Statistics for Management	J
Varies	1st language*	3	Varies	2nd language* (1st or 2nd year)	3
COMM 105	Oral Communication*	3	BUSA 120	Principles of Management	3
		16-17		TOTAL	16
	Sophomore – Fall			Sophomore – Spring	_
BIBL 20x	Knowledge of the Bible* (2nd year)	3	PHIL/RELI	Philosophy/Religion* (1st or 2nd year)	3
Varies	3rd Language or Cross Cultural	3	FINA 305	Financial Management	3
ACCT 141	Financial Accounting	3	ACCT 242	Managerial Accounting	3
CIS 190	Strategic Use of Information Technology	3	CIS 190	Strategic Use of Information Technology	3
MRKT 130	Marketing Principles	3	ENGL 1xx	Literature* meeting QuEST	3
	TOTAL	15		TOTAL	15
	Junior – Fall	10		Junior – Spring	10
ECON 301 or	Intermediate Macroeconomics or			Julioi – Spring	
ECON 301 01 ECON 302	Intermediate Microeconomics	3	ECON 303 or	Comparative Political Economy or	3
ECON or IBUS		3	IBI 331	Comparative Economic Systems	J
BUSA 381	Business Law	3	ECON	Economics Option	3
HIST 1xx	History* (1st or 2nd year) meeting QuEST	3	BUSA 356	Decision- Making Tools in Management	3
Varies	Art, Music or Theatre* (1st or 2nd year)	3	THEO 2xx	Christian Beliefs* (2nd or 3rd year)	3
Variou	7 III, Madio di Modalo (100 di 211a yodi)		Varies	Science, Tech & the World **	3
			1		
	TOTAL	15		TOTAL	15
	Senior – Fall			Senior – Spring	
ECON 301 or ECON 302	Intermediate Macroeconomics or Intermediate Microeconomics	3	ECON	Economics option	3
ECON or IBUS		3	BUSA 459	Strategic Management	3
Varies	Laboratory Science*	3-4	Varies	Ethics/World View/Pluralism***	3
Varies	Non-Western Studies*	2-3	Varies	Free Elective or minor	3
Varies	Free Elective or minor	3	Varies	Free Elective or minor	3
	TOTAL	14-16		TOTAL	15

*QuEST requirement

International Business (B.S.) 8 Semester Plan

*QuEST requirement

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall	•		First Year – Spring	•
ACCT 141	Financial Accounting	3	CIS 190	Strategic Use of Information Technology	3
BUSA 102	Opportunities in Business	1	ACCT	Managerial Accounting	3
COMM 105	Oral Communication*	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	BUSA 120	Principles of Management	3
MATH 107, 108 or 111	Applied Math for Management, Intuitive Calculus with App., or Calculus I	3-4	Varies	Language Elective	3
Varies	Language Elective	3			
	TOTAL	46 47		TOTAL	45
	TOTAL	16-17		TOTAL Sanhamara	15
ECON 120	Sophomore – Fall Macroeconomics	3	ECON 220	Sophomore – Principles of Microeconomics	3
ENGL xxx	Literature* (1st or 2nd year)	3	HIST xxx	· · · · · · · · · · · · · · · · · · ·	3
ENGL XXX	Literature (1st or 2st year)	J	LIOI XXX	History* (1st or 2nd year)	J
Varies	Laboratory Science* (1st year)	3-4	Varies	Art, Music or Theatre* (1st or 2nd year)	3
MRKT 130	Marketing Principles	3	STAT 281	Applied Statistics for Management	3
WELL xxx	Wellness course* (1st or 2nd year)	1	Varies	Free Elective	3
Varies	Language Elective	3	Varies	Language Elective	3
	TOTAL	16-17		TOTAL	18
	Junior – Fall			Junior – Spring	
BIBL 20x	Knowledge of the Bible* 2 nd year)	3	FINA 305	Financial Management	3
PHIL/RELI	Philosophy/Religion* (1st or 2nd year)	3	BUSA 381	Business Law	3
IBUS 375	International Business & World Economy	3		Business as a Ministry	3
Varies	Ethico/Morld Vious/Dhursliom*	3	IBUS 342 Varies	Global Entrepreneurship Free Elective	2
	Ethics/World Views/Pluralism*	3		·	
BUSA 405 <u>or</u> POLI 212	Supply Chain Management International Politics	3	ECON 312 or HRM 311	Economic Development Organizational Behavior	3
			THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3
	TOTAL	15		TOTAL	17
	Summer- Internat	tional Bus	iness Institut	te (12 credits)	
IBI 331	Comparative Economic Systems	3	IBI 350	International Trade and Finance	3
IBI 339	Global Marketing	3	IBI 390	Global Business Strategy	3
101 000	Clobal Markoting		1101 000	TOTAL	
	Senior – Fall			Senior – Spring	_ 12
IDST xxx	Science, Tech, & World* (3 rd or 4 th year)	3		Octiloi – Optilig	
IDNW xxx	Non-Western Studies* (2 nd or 3 rd year)	2-3			
BUSA 459	Strategic Management	3			
Varies	Free Elective	3			
Varies	Free Elective	3			
	TOTAL	14-15		TOTAL	0

Business Administration (B.A.) 8 Semester Plan

*QuEST requirement

Course selection will vary significantly depending on primary major

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	•
ACCT 141	Financial Accounting	3	ECON 120	Macroeconomics	3
BUSA 102	Opportunities in Business	1	IDCR 151	Created and Called for Community*	3
COMM 105	Oral Communication*	3	Varies	2 nd language* (1 st or 2 nd vear)	3
IDFY 101	First Year Seminar*	3	BUSA 120	Principles of Management	3
Varies	1 St language*	3	Varies	Primary Major Course	3
Varies	Primary Major Course	3	Varies	Primary Major Course	3
	TOTAL	16		TOTAL	18
	Sophomore – Fall			Sophomore – Spring	
CIS 190	Strategic Use of Information Technology	3	ECON 220	Principles of Microeconomics	3
ENGL xxx	Literature* (1st or 2nd year)	3	HIST xxx	History* (1st or 2nd year)	3
Varies	Laboratory Science* (1st year)	3-4	Varies	3rd language/Cross Cultural* (2nd or 3rd vr)	3
MRKT 130	Marketing Principles	3	Varies	Primary Major Course	3
WELL xxx	Wellness course* (1st or 2nd year)	1	MATH 107, 108 or 111	Applied Math for Management, Intuitive Calculus with App., or Calculus I	3-4
ACCT 242	Managerial Accounting	3	100 <u>01</u> 1111	Calculus Will 7 App., Gr Calculus 1	
	TOTAL	16-17		TOTAL	15
	Junior – Fall	T		Junior – Spring	Ţ
BIBL 20x	Knowledge of the Bible* (2nd vear)	3	varies	Art, Music or Theatre* (1st or 2nd year)	3
PHIL/RELI	Philosophy/Religion* (1st or 2nd year)	3	BUSA 381	Business Law	3
INTE 391	Internship	2	THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3
Varies BUSA 3xx or 4xx	BUSA or ACCT or ECON or FIN or HRM or LEAD or MRKT Department Elective	3	FINA 305	Financial Management	3
Varies	Primary Major Course	3	Varies	Primary Major Course	3
Varies	Primary Major Course	3			
	TOTAL	17		TOTAL	15
	Senior – Fall			Senior – Spring	
IDST xxx	Science, Tech, & World* (3rd or 4th year)	3	BUSA 459	Strategic Management	3
IDNW xxx	Non-Western Studies* (2nd or 3rd year)	2-3	Varies	Ethics/World View/Pluralism*	3
Varies 3xx or 4xxx	BUSA or ACCT or ECON or FIN or HRM or LEAD or MRKT Department Elective	3	Varies	Primary Major Course	3
Varies	Primary Major Course	3	Varies	Primary Major Course	3
Varies	Primary Major Course	3	Varies	Primary Major Course	3
	TOTAL	14-15		TOTAL	15

Note: This major is a secondary major; it may not be declared as a primary major or a stand-alone major. Students must have at least 24 unique courses in both their primary and secondary major. Students graduating with this as part of a double major receive a single degree, with two majors (e.g. a Bachelors of Arts from Messiah majoring in both x and Business Administration). Students declaring this Business Administration B.A. as their secondary major must complete the QuEST requirements of the primary major.

Marketing (B.S.) 8 Semester Plan

*QuEST requirement

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall		•	First Year – Spring		
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
COMM 105	Oral Communication*	3	Varies	2 nd language* (1 st or 2 nd year)	3
Varies	1st language*	3	varies	Laboratory Science* (1st year)	3-4
MATH 107,	Applied Math for Management, intuitive	3-4	ACCT 131	Survey of Accounting	3
108 <u>or</u> 111	Calculus with App., <u>or</u> Calculus I				
BUSA 102	Opportunities in Business	1	ECON 120	Macroeconomics*	3
MRKT 130	Marketing Principles	3			
	TOTAL	16-17		TOTAL	15-16
	Sophomore – Fall			Sophomore – Spring	
Varies	3 rd language or Cross Cultural* (2 nd or 3 rd year)	3	ENGL xxx	Literature* (1st or 2nd year)	3
WELL xxx	Wellness activity* (1st or 2nd year)	1	varies	History*	3
ECON 220	Principles of Microeconomics	3	BIBL 20x	Knowledge of the Bible* (1st or 2nd year)	3
STAT 281	Applied Statistics for Management	3	BUSA 120	Principles of Management	3
MRKT 333	Consumer Behavior	3	MRKT 337	Integrated Marketing Communications	3
CIS 190	Strategic Use of Information Technology	3		Elective	3
	TOTAL	16		TOTAL	18
	Junior – Fall			Junior – Spring	
varies	Philosophy/Religion* (1st or 2nd year)	3	ARTS xxx	Arts* (1st or 2nd year)	3
IDNW xxx	Non-Western Studies* (2nd or 3rd year)	2-3	THEO 2xx	Christian Beliefs* (2nd or 3rd year)	3
BUSA 381	Business Law	3	MRKT 362/4	Social Media or Digital Marketing	3
MRKT 339	Market Research	3	MRKT xxx	Marketing Specialization Course	3
FINA 305	Financial Management	3		Elective	3
	TOTAL	14-15		TOTAL	15
	Senior – Fall			Senior – Spring	,
IDST xxx	Science, Tech, & World* (3rd or 4th year)	3	IDS xxx	Ethics/Pluralism/World Views*	3
BUSA 459	Strategic Management	3	MRKT 438	Marketing Management & Strategy	3
MRKT xxx	Marketing Specialization Course	3	MRKT xxx	Marketing Specialization Course	3
	Elective	3		Elective	3
	Elective	3		Elective	3
	TOTAL	15		TOTAL	15

Finance (B.S.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall				First Year – Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
COMM 105	Oral Communication*	3	Varies	2 nd language* (1 st or 2 nd year)	3
Varies	1 st language*	3	Varies	Laboratory Science* (1 St year)	3-4
MATH 108 <u>or</u> MATH 111	Intuitive Calculus with Applications (3) Calculus I (4)	3-4	ACCT 141	Financial Accounting	3
BUSA 102	Opportunities in Business	1	ECON 120	Macroeconomics	3
BUSA 120	Principles of Management	3			
	TOTAL	16-17		TOTAL	15-16
	Sophomore – Fall			Sophomore – Spring	
Varies	3 rd language/Cross Cultural* (2 nd or 3 rd	3	ENGL xxx	Literature* (1st or 2nd year)	3
ECON 220	Principles of Microeconomics	3	HIST	History* (1st or 2nd year)	3
MRKT 130	Marketing Principles	3	WELL xxx	Wellness course* (1 st or 2 nd year)	1
ACCT 242	Managerial Accounting	3	CIS 190	Strategic Use of Information Technology	3
	Elective	3	STAT 281	Applied Statistics for Management	3
			FINA 305	Financial Management	3
	TOTAL	15		TOTAL	16
	Junior – Fall			Junior – Spring	
PHIL/RELI	Philosophy/Religion* (1 st or 2 nd year)	3	varies	Art, Music or Theatre* (1st or 2nd year)	3
BIBL 20x	Knowledge of the Bible* (2 nd year)	3	FINA 405	Corporate Finance	3
BUSA 381	Business Law	3	FINA 415	Financial Institution Management	3
FINA 307	Money and Financial Markets	3	THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3
FINA 351	Investments	3	ACCT 301	Intermediate Accounting I	3
	Elective	3			
	TOTAL	18		TOTAL	15
	Senior – Fall			Senior – Spring	_
BUSA 459	Strategic Management	3	FINA 450/475	Securities Industry Brokerage Preparation or Advanced Corp. Finance	3
FINA 410	Security Analysis & Valuation	3	IDS xxx	Ethics/Pluralism/World Views* (3 rd or 4 th	3
IDST xxx	Science, Tech, & World* (3 rd or 4 th	3		Elective	3
IDNW xxx	Non-Western Studies* (2nd or 3rd year)	2-3		Elective	3
	Elective	3		Elective	3
	TOTAL	14-15		TOTAL	15

^{*}QuEST requirement

III. CHEMISTRY AND BIOCHEMISTRY

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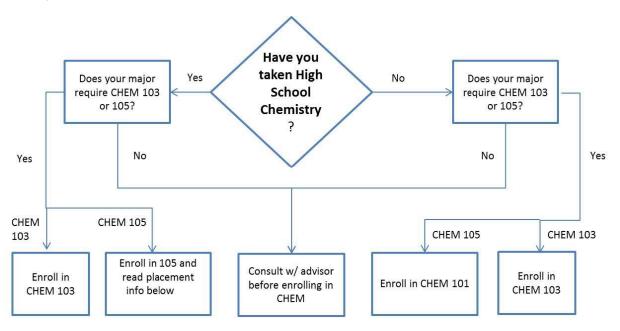
American Chemical Society Certification

As an approved program of the American Chemical Society, the Department of Chemistry and Biochemistry is able to offer B.S. degrees in both Chemistry and Biochemistry Certified by the American Chemical Society. The certification requirements go beyond the requirements for the college's B.S. degrees.

Guidelines for Chemistry Courses

General Chemistry I and II are standard, college-level chemistry courses for science majors and some health programs. CHEM 105, General Chemistry I has a prerequisite of high school chemistry. If you have not taken high school chemistry, you cannot enroll in General Chemistry I. You should instead take CHEM 101 Introduction to College Chemistry. CHEM 101 uses the same text as CHEM 105 General Chemistry I, but moves slower, and focuses more intentionally on the mathematics necessary for success in General Chemistry. CHEM 101 does not have a lab component and therefore does not meet QuEST requirements. It is offered in the fall semester.

There are two placement options for General Chemistry I. The preferred option is the completion of a preparatory course through the ALEKS learning platform. This course must be completed in full by the Friday before you arrive on campus. An email will be sent to all students registered for CHEM 105 by the end of June with instructions regarding this course. For those students not completing the preparatory course, the Toledo Placement Exam of the American Chemical Society will be administered 8:00 AM on Monday of new student orientation. This exam contains a total of 60 questions: 20 are entirely mathematics, 20 are from general chemistry knowledge, and 20 are from specific chemistry content. A score of 35, out of 60, is sufficient for continued enrollment in General Chemistry I, CHEM 105. You may also remain in CHEM 105 if your score is between 28-34 AND you have at least 14 of 20 points from the math portion of the exam. Students who do not earn this score will be required to enroll in Introduction to College Chemistry (CHEM 101). This course will prepare you well for General Chemistry I. The student needing CHEM 101 and his or her advisor will be notified before advising sessions on Monday afternoon of new student orientation.



More information regarding this placement exam can be found at: http://www.messiah.edu/info/20201/department_of_chemistry_and_biochemistry/566/general_chemistry_placement_exam

If you have any reason to suspect that your preparation in high school chemistry and algebra is less than adequate, it would be advisable to not schedule another non-chemistry course during the period CHEM 101, Introduction to College Chemistry, will be offered. CHEM 101 is offered MWF, 11:00 - 11:50. This will make the shift into that course, should it be required, very easy.

Guidelines for Mathematical Sciences Courses

MATH 108 and MATH 111 are both entry-level calculus courses. The distinction between the two is that MATH 111 is a 4-credit course that includes trigonometry (generally needed by the science student) and prepares students for subsequent courses in mathematics. MATH 108 is a 3-credit course that emphasizes applications of calculus in science and industry, without discussion of trigonometric functions.

STAT 269 is an introductory statistics course, with a prerequisite of two years of high school algebra. Students who have taken a course in calculus should consider STAT 291 instead, a calculus-based statistics course that counts toward the Statistics minor.

Chemistry, Chemistry with Teaching Certification and Biochemistry Majors:

These majors require MATH 111, which should be taken in the first year. Each of these majors has additional mathematical sciences requirements, generally taken in the second semester, or perhaps in the second year.

Students with Advanced Placement credit:

Requirements in General Chemistry can be met through Advanced Placement exam credit. See the Registrar's AP credit page for further information.

https://www.messiah.edu/info/22478/transfer_ap_clep_courses/2107/apclepib_equivalencies/2

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics should go to the math department's website (www.messiah.edu/departments/mathsci/courses/ap_credit.html) to find out how credit is awarded for your scores.

Suggested Four-Year Programs of Study Biochemistry (B.A.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created/Called for Community*	3
CHEM 105	General Chemistry	4	STAT 269 or	Introductory Statistics OR	3-4
	, and the second	7	MATH 112	Calculus II (4)	J-4
MATH 111	Calculus I	4	CHEM 106	General Chemistry II	4
BIOL 160	Molecular & Cellular Biology	4	Varies	1st Language*	3
			COMM 105	Introduction to Oral Communication*	3
	TOTAL	15		TOTAL	16-17
	Sophomore – Fall			Sophomore – Spring	
CHEM 309	Organic Chemistry I	4	Varies	3 rd language or Cross Cultural*	3
CHEM 221	Chemical Analysis I***	4	PHYS 211	General Physics I (optional)	4
BIOL 260	Genetics & Development (science elective)	4	CHEM 310	Organic Chemistry II	4
PHIL 101/102	Philosophy*	3	BIBL 20x	Knowledge of the Bible*	3
Varies	2 nd Language*	3	WELL 1xx	Wellness *	1
	TOTAL	18		TOTAL	15
	Junior – Fall	10		Junior – Spring	13
CHEM 410	Biochemistry I	4	CHEM 409	Advanced Organic Chemistry**	3
PHYS	General Physics I, II or Intro to Physics I	4	PHYS	Introduction to Physics II or General Physics II	
211/212/201	Constant Hydroc I, II of Intro to 1 Hydroc I	•	202/212	(optional)	4
Varies	1st History/Social Science*	3	Varies	2 nd History/Social Science*	3
ENGL xxx	Literature*	3	CHEM 412	Biochemistry II**	4
			CHEM 390	Junior Chemistry Seminar	1
			CHEM 393	Research Methods (optional)	1
	TOTAL	14		TOTAL	16
	Senior – Fall			Senior – Spring	1
Varies	Science Elective	3-4	CHEM 495	Natural Sciences Capstone	3
CHEM 437	Physical Chemistry I**	3.5	Varies	Art, Theatre, Music or Dance*	3
CHEM 422	Senior Research (optional)	3	IDS xxx	Ethics/Word Views/Pluralism*	3
IDNW xxx	Non-Western Studies*	2-3	Varies	Electives	6
THEO 20x	Christian Beliefs*	3			
CHEM 490	Senior Chemistry Seminar	1			
	TOTAL	15.5- 17.5		TOTAL	15

^{*}QuEST requirement

**Interchangeable between Junior and Senior years.

***Interchangeable between Sophomore and Junior years

Biochemistry (B.S.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created/Called for Community*	3
CHEM 105	General Chemistry	4	MATH 112	Calculus II	4
MATH 111	Calculus I	4	CHEM 106	General Chemistry II	4
BIOL 160	Molecular & Cellular Biology	4	Varies	1st Language*	3
			COMM 105	Introduction to Oral Communication*	3
	TOTAL	15		TOTAL	. 17
	Sophomore – Fall			Sophomore – Spring	
CHEM 309	Organic Chemistry I	4	Varies	3 rd language or Cross Cultural*	3
CHEM 221	Chemical Analysis I***	4	PHYS 211	General Physics I	4
BIOL 260	Genetics & Development	4	CHEM 310	Organic Chemistry II	4
PHIL 101/102	Philosophy*	3	BIBL 20x	Knowledge of the Bible*	3
Varies	2 nd Language*	3	WELL 1xx	Wellness Activity Course*	1
	TOTAL	18		TOTAL	. 15
	Junior – Fall			Junior – Spring	
CHEM 410	Biochemistry I	4	CHEM 321	Chemical Analysis II**	4
Varies	1st History/Social Science*	3	Varies	2 nd History/Social Science*	3
PHYS 212	General Physics II	4	CHEM 412	Biochemistry II**	4
ENGL xxx	Literature*	3	CHEM 393	Research Methods (optional)	1
THEO 20x	Christian Beliefs *	3	CHEM 390	Junior Chemistry Seminar	1
				Elective	3
	TOTAL	17		TOTAL	. 16
	Senior – Fall			Senior – Spring	
BIOL xxx	Advanced Biology Elective**	4	BIOL xxx	Recommended biology course (optional)	4
CHEM 437	Physical Chemistry I**	3.5	CHEM 495	Natural Sciences Capstone	3
CHEM 422	Senior Research (optional)	2	Varies	Art, Theatre, Music or Dance*	3
IDSW xxx	Non-Western Studies*	2-3	Varies	Elective	3
CHEM 490	Senior Chemistry Seminar	1	CHEM 422	Senior Research (optional)	1
IDS xxx	Ethics/World Views/Pluralism*	3			
	TOTAL	15.5- 16.5		TOTAL	. 14

^{*}QuEST requirement

**Interchangeable between Junior and Senior years.

***Interchangeable between Sophomore and Junior years

Biochemistry (B.S.) ACS Certified 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created/Called for Community*	3
CHEM 105	General Chemistry	4	MATH 112	Calculus II	4
MATH 111	Calculus I	4	CHEM 106	General Chemistry II	4
BIOL 160	Molecular & Cellular Biology	4	Varies	1st Language*	3
			COMM 105	Introduction to Oral Communication*	3
	TOTAL	_ 15		TOTAL	17
	Sophomore – Fall	-, .		Sophomore – Spring	• • • • • • • • • • • • • • • • • • • •
CHEM 309	Organic Chemistry I	4	Varies	3 rd language or Cross Cultural*	3
CHEM 221	Chemical Analysis I***	4	PHYS 211	General Physics I	4
BIOL 260	Genetics & Development	4	CHEM 310	Organic Chemistry II	4
PHIL 101/102	Philosophy*	3	BIBL 20x	Knowledge of the Bible*	3
Varies	2 nd Language*	3	WELL 1xx	Wellness Activity Course*	1
	TOTAL	_ 18		TOTAL	15
	Junior – Fall			Junior – Spring	•
CHEM 410	Biochemistry I	4	CHEM 321	Chemical Analysis II**	4
Varies	1st History/Social Science*	3	Varies	2 nd History/Social Science*	3
PHYS 212	General Physics II	4	CHEM 412	Biochemistry II**	4
ENGL xxx	Literature*	3	Varies	Elective	3
THEO 20x	Christian Beliefs *	3	CHEM 393	Research Methods	1
			CHEM 390	Junior Chemistry Seminar	1
	TOTAL	. 17		TOTAL	16
	Senior – Fall			Senior – Spring	
BIOL xxx	Advanced Biology Elective**	4	CHEM xxx	Advanced Chemistry Elective**	3-3.5
CHEM 437	Physical Chemistry I**	3.5	CHEM 495	Natural Sciences Capstone	3
CHEM 422	Senior Research	2	Varies	Art, Theatre, Music or Dance*	3
IDSW xxx	Non-Western Studies*	2-3	CHEM 422	Senior Research	1
CHEM 490	Senior Chemistry Seminar	1	IDS xxx	Ethics/World Views/Pluralism*	3
CHEM 361	Inorganic Chemistry**	4	BIOL xxx	Recommended biology course (optional)	
	TOTAL	16.5- 17.5		TOTAL	13 – 13.5

^{*}QuEST requirement

**Interchangeable between Junior and Senior years

***Interchangeable between Sophomore and Junior years

Biochemistry (B.A.)/PharmD

6 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
IDFY 101	First Year Seminar*	3	BIOL 161	Animal Form and Function	3
CHEM 105	General Chemistry I	4	IDCR 151	Created/Called for Community*	3
MATH 111	Calculus I	4	PHIL 101/102	Philosophy*	3
BIOL 160	Molecular & Cellular Biology	4	CHEM 106	General Chemistry II	4
Varies	1st Language*	3	Varies	2 nd Language*	3
	TOTA	AL 18		TOTA	AL 16
	Sophomore – Fall			Sophomore – Spring	
CHEM 309	Organic Chemistry I	4	ENGL xxx	Literature*	3
SOCI 101	Principles of Sociology*	3	CHEM 310	Organic Chemistry II	4
CHEM 221	Chemical Analysis I	4	PHYS 202	Introductory Physics II	4
BIBL 20x	Knowledge of the Bible*	3	HIST xxx	History*	3
PHYS 201	Introductory Physics I	4	CHEM 390	Junior Chemistry Seminar	1
			Varies	3rd Language or Cross Cultural*	3
	TOTA	AL 18		TOTA	AL 18
	Junior – Fall			Junior – Spring	
ART xxx	Art*	3	IDNW xxx	Non-western Studies*	2-3
CHEM 410	Biochemistry I	4	CHEM 495	Capstone: Natural Sciences	3
CHEM 490	Senior Chemistry Seminar	1	THEO xxx	Christian Beliefs*	3
BIOL 386	Human Anatomy	4	CHEM 412	Biochemistry II	4
WELL 1xx	Wellness Activity Course*	1	BIOL 382	Microbiology for Health Professions	4
IDST xxx	Ethics/World Views/Pluralism*	3			
	TOTA	AL 16		TOTA	AL 16-17

*QuEST requirement

The Oral Communication course is missing from this three-year plan. This course, or another required QuEST course should be taken over the summer.

Chemistry (B.A) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall		First Year – Spring			
CHEM 105	General Chemistry I	4	CHEM 106	General Chemistry II	4
MATH 111	Calculus I	4	MATH 112	Calculus II	4
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
Varies	1st Language*	3	COMM 105	Oral Communications*	3
			Varies	2 nd Language*	3
	TOTAL	14		TOTA	L 17
	Sophomore – Fall			Sophomore – Spring	
CHEM 309	Organic Chemistry I	4	CHEM 310	Organic Chemistry II	4
CHEM 221	Chemical Analysis I	4	PHYS 211/212	General Physics I or General Physics II	4
Varies	1st History/Social Science*	3	Varies	3rd Language / Cross Cultural*	3
BIBL 2xx	Knowledge of the Bible*	3	Varies	2 nd History/Social Science*	3
PHYS 211	General Physics I (optional)	4	WELL 1xx	Wellness Activity Course*	1
	TOTAL	18		TOTA	L 16
	Junior – Fall			Junior – Spring	
CHEM 437	Physical Chemistry I	3.5	CHEM 3xx	Chemistry Elective**	3-4
PHYS 212	General Physics II (optional)	4	CHEM 393	Research Methods (optional)	1
PHIL 101/102	Philosophy*	3	CHEM 390	Junior Chemistry Seminar	1
Varies	Elective	3	ENGL xxx	Literature*	3
THEO 2xx	Christian Beliefs*	3	IDSW xxx	Non-Western Studies*	2-3
			Varies	Electives	6
	TOTAL	16.5		TOTA	L 17-18
1	Senior – Fall			Senior – Spring	
CHEM 3xx	Chemistry Elective**	4	CHEM 3xx	Chemistry Elective**	3-4
CHEM 422	Senior Research (optional)	3	CHEM 495	Natural Sciences Capstone	3
CHEM 490	Senior Chemistry Seminar	1	IDS xxx	Ethics/World Views/Pluralism*	3
Varies	Elective	3	Varies	Electives	6
Varies	Art, Theatre, Music or Dance*	3			
	TOTAL		requirement	TOTA	L 15-16

^{*}QuEST requirement
**Interchangeable between Junior and Senior years

Chemistry (B.S.) 8 Semester Plan

Course #	Course name		Credits	Course #	Course name	Credits
	First Year – Fall				First Year – Spring	
CHEM 105	General Chemistry I		4	CHEM 106	General Chemistry II	4
MATH 111	Calculus I		4	MATH 112	Calculus II	4
IDFY 101	First Year Seminar*		3	IDCR 151	Created and Called for Community*	3
Varies	1st Language*		3	COMM 105	Oral Communications*	3
				Varies	2 nd Language*	3
		TOTAL	14		TOTAL	. 17
	Sophomore – Fall				Sophomore – Spring	
CHEM 309	Organic Chemistry I		4	CHEM 310	Organic Chemistry II	4
CHEM 221	Chemical Analysis I		4	PHYS 211/222	General Physics I or General Physics II	4
Varies	1st History/Social Science*		3	MATH 2xx	Linear and Differential Methods or Calculus III	3-4
BIBL 2xx	Encountering the Bible OT/NT*		3	WELL 1xx	Wellness Activity Course*	1
PHYS 211	General Physics I (optional)		4	Varies	3rd Language / Cross Cultural*	3
		TOTAL	18		TOTAL	. 15-16
	Junior – Fall	IOIAL	10		Junior – Spring	. 10-10
CHEM 437	Physical Chemistry I**		3.5	CHEM 438	Physical Chemistry II**	3.5
CHEM 361	Inorganic Chemistry**		4	CHEM 393	Research Methods (optional)	1
PHYS 212	General Physics II (optional)		4	CHEM 390	Junior Chemistry Seminar	1
PHIL 101/102	Philosophy*		3	CHEM 321	Chemistry Analysis II**	4
				IDSW xxx	Non-Western Studies*	2-3
				Varies	2 nd History/Social Science*	3
		TOTAL	14.5		TOTAL	14.5- 15.5
	Senior – Fall	<u> </u>			Senior – Spring	10.0
CHEM 410	Biochemistry I or Elective**		4	CHEM 342	Advanced Synthesis Lab**	3
CHEM 422	Senior Research (optional)		3	CHEM 495	Natural Sciences Capstone	3
CHEM 490	Senior Chemistry Seminar		1	IDS xxx	Ethics/World View/Pluralism*	3
THEO 2xx	Christian Beliefs*		3	Varies	Electives	6
Varies	Art, Theatre, Music or Dance*		3			
ENGL xxx	Literature*		3			
		TOTAL	17		TOTAL	. 14

^{*}QuEST requirement
**Interchangeable between Junior and Senior years

Chemistry (B.S.) ACS Certified 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
CHEM 105	General Chemistry I	4	CHEM 106	General Chemistry II	4
MATH 111	Calculus I	4	MATH 112	Calculus II	4
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
Varies	1st Language*	3	COMM 105	Oral Communications*	3
			Varies	2 nd Language*	3
	TOTAL	14		TOTAL	17
	Sophomore – Fall			Sophomore – Spring	
CHEM 309	Organic Chemistry I	4	CHEM 310	Organic Chemistry II	4
CHEM 221	Chemical Analysis I	4	PHYS 211/212	General Physics I or General Physics II	4
Varies	1st History/Social Science*	3	MATH 2xx	Linear and Differential Methods or Calculus III	3-4
BIBL 2xx	Encountering the Bible OT/NT*	3	WELL 1xx	Wellness Activity Course*	1
PHYS 211	General Physics I (optional this term)	3	Varies	3 rd Language / Cross Cultural*	3
	TOTAL	17		TOTAL	15-16
	Junior – Fall			Junior – Spring	•
CHEM 437	Physical Chemistry I	3.5	CHEM 438	Physical Chemistry II**	3.5
CHEM 361	Inorganic Chemistry**	4	CHEM 393	Research Methods	1
PHYS 212	General Physics II (optional this term)	4	CHEM 390	Junior Chemistry Seminar	1
PHIL 101/102	Philosophy*	3	CHEM 321	Chemistry Analysis II**	4
Varies	2 nd History/Social Science*	3	IDSW xxx	Non-Western Studies*	2-3
	-			Elective	3-4
	TOTAL	17.5		TOTAL	14.5- 16.5
	Senior – Fall			Senior – Spring	
CHEM 410	Biochemistry I	4	CHEM 342	Advanced Synthesis Lab**	3
CHEM 422	Senior Research	2	CHEM 495	Natural Sciences Capstone	3
CHEM 490	Senior Chemistry Seminar	1	IDS xxx	Ethics/World View/Pluralism*	3
THEO 2xx	Christian Beliefs*	3		Electives	6
Varies	Art, Theatre, Music or Dance*	3	CHEM 422	Senior Research	1
ENGL xxx	Literature*	3			
	TOTAL	16		TOTAL	16

*QuEST requirement
**Interchangeable between Junior and Senior years

Chemistry (B.A.) with Teaching Certification 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall	-	First Year – Spring		
CHEM 105 ^a	General Chemistry I	4	CHEM 106	General Chemistry II	4
MATH 111a	Calculus I	4	MATH 112	Calculus II	4
COMM 105	Oral Communication*	3	ENGL122-176a	Literature	3
IDFY 101	First Year Seminar*	3	ESS 201	Earth and Space Science	3
Varies	1st Language*	3	IDCR 151	Created and Called for Community*	3
	TOTAL	17		TOTAL	17
	Sophomore – Fall			Sophomore – Spring	
CHEM 221	Chemical Analysis I	4	CHEM 310	Organic Chemistry II	4
CHEM 309	Organic Chemistry I	4		General Physics I	4
EDUC 346	Sociocultural Perspectives on Education	3		Intro to Special Ed	3
Varies	2nd Language*	3		Educational Psychology	3
BIBL 2xx	Encountering the Bible*	3		Soph. Field Experience	0
			Varies	3 rd language or Cross Cultural	3
	TOTAL	17		TOTAL	17
	Junior – Fall			Junior – Spring	1
CHEM 437	Physical Chemistry I**	3.5	CHEM xxx	Chemistry Elective	3-4
PHIL 101/102	Philosophy	3		Junior Chemistry Seminar	1
PHYS 212	General Physics II	4		TESOL Methodology	3
Varies	1st History/Social Science*	3		Instructional Design/ Assessment	3
WELL 1xx	Wellness Activity Course*	1	EDSP 307c	Inclusion Practices	3
			EDUC 310°	Junior Field Experience	0
			CHEM xxx	Chemistry Elective	4
	TOTAL	14.5		TOTAL	17-18
	Senior – Fall			Senior – Spring	
CHEM xxx	Chemistry Elective	4		Professional Semester	
CHEM 495	Natural Sciences Capstone	3	HDFS 311	Adolescent Development	3
THEO 223	Global Christian Theology	3	TEP 435°	Student Teaching	8
Varies	Art, Theatre, Music or Dance*	3	EDUC 420°	Professional Issues in Education	2
EDUC 208	ELL Instruction	3	TEP 407°	Secondary Science Curriculum/Instruction	1
SCIE 407	Teaching Lab Sciences	1	TEP 410	Secondary Pre-student teaching	0
	TOTAL	17		TOTAL	14

^{*}QuEST requirement
**Interchangeable between Junior and Senior years

 $^{^{\}rm a}$ Indicates requirement for admission to the TEP. $^{\rm C}$ Indicates courses to be taken concurrently.

III. COMMUNICATION

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Guidelines for Mathematical Sciences Courses

There is no specific math course required for the Communication major. Familiarity with digital technology is increasingly important for students in the humanities with new developments in the digital humanities majors. Students interested in pursuing digital applications in the humanities should consider taking courses in CIS. The introductory CIS courses to consider include:

CIS 171 Problem Solving with Computers focuses on using computers and software to create reports, images, spreadsheets, web pages, and databases.

CIS 180 Introduction to Computer and Information Science covers both technical and social aspects of computing, including privacy, security, reliability, and ethics.

CIS 181 Introduction to Computer Programming in Python is the introductory programming course for both majors and non-majors.

For students interested in math, we recommend students enroll in MATH 101, MATH 102, or MATH 107 in their first year, unless they have had a pre-calculus course; then they should consider MATH 108. Statistical literacy is another important area of mathematical study, and STAT269 is a course that gives a good introduction to statistical methods and meets the QuEST requirement.

Students with Advanced Placement credit:

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics should go to the math department's website (www.messiah.edu/departments/mathsci/courses/ap_credit.html) to find out how credit is awarded for your scores.

8-Semester Plans

Communication Major

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall			First Year – Spring		
COMM 105	Oral Communication*	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	COMM xxx	Communication elective	3
COMM 107	Introduction to Communication Seminar	1	Varies	Music, Art, Theatre, Dance*	3
PHIL/RELI xxx	Philosophy/Religion* (1st or 2nd year)	3	Varies	1st Social Science, History* (1st or 2nd year)	3
Varies	Mathematical Science* (1st year)	3			
Varies	1st language*	3			
	TOTAL	16		TOTAL	12
	Sophomore - Fall			Sophomore – Spring	
COMM xxx	Core writing course (247, 254, 112, 351)	3	COMM xxx	Communication elective	3
COMM xxx	Communication elective	3	Varies	3 rd language or Cross Cultural* (2 nd or 3 rd year)	3
COMM xxx	Core Interpersonal course (241, 313, 342 or 354) or Media course (218)	3	COMM xxx	Core Media course (211, 282, 382) or Interpersonal course	3
Varies	2 nd language* (1 st or 2 nd year)	3	ENGL xxx	Literature* (1st or 2nd year)	3
			Varies	2 nd Social Science, History* (1 st or 2 nd year)	3
	TOTAL	12		TOTAL	15
	Junior – Fall			Junior – Spring	
COMM xxx	Communication elective	3	COMM 359	Rhetorical Theory	3
COMM 341	Communication Theory	3	COMM xxx	Communication elective	3
BIBL 20x	Knowledge of the Bible* (1st or 2nd year)	3	Varies	COMM 391 Practicum or INTE 391 or 394	1-3
WELL 1xx	Wellness* (1st or 2nd year)	1	THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3
Varies	Laboratory Science* (1st year)	3-4	Varies	Ethics/Pluralism/World Views* (3 rd or 4 th year)	3
	TOTAL	13-14		TOTAL	12-15
	Senior – Fall			Senior – Spring	
COMM xxx	Communication elective	3		Electives/minor	
Varies	COMM 391 Practicum or INTE 391 or 394	1-3	Varies	COMM 391 Practicum or INTE 391 or 394	1-3
COMM 493	Senior Seminar	3			
IDST xxx	Science, Tech, & World* (3rd or 4th year)	3			
IDNW xxx	Non-Western Studies* (2nd or 3rd year)	2-3			
	Electives/minor				
	TOTAL	12-15		TOTAL	15-18

*QuEST requirement

^{1.} Any COMM course taken to fulfill a COMM Core requirement may not simultaneously fulfill a Communication elective requirement.

^{2.} Courses listed in () on the grid suggest a second or third preferred opportunity to take a course(s) previously listed.

^{3.} Internships/practica must be taken for a grade rather than pass/fail, and practicum work must be done outside the department to count toward the requirement.

Digital Media (Digital Video and Story concentration) (B.A.) 8 semester plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
ART 171/182/ 211/251/282	Found. of Drawing, Color & Design, Computer Art & Imaging, Photography, Form, Space and Media**, or CIS 180	3	CIS 180/ 181/191	Introduction to Computer & Info Science or Computer Programming I or Web Development	3
COMM 203	Basic Video and Editing Techniques	3	COMM 326	Digital Production	3
COMM 217	Introduction to Film	3	DIGM 101	Foundations in Creative Digital Media	3
Varies	1 st Language*	3	WELL 1xx	Wellness* (1st or 2nd year)	1
			Varies	2 nd Language*	3
	TOTAL	15		TOTAL	16
	Sophomore – Fall			Sophomore – Spring	
ART236 or 237	Graphic Design or Typography	3	BIBL 20x	Knowledge of the Bible* (1st or 2nd year)	3
COMM 220	Film and HD Production I (odd falls only)	3	CIS 181/191	Computer Programming I/Web Development	3
COMM 254	Screenwriting I	3	COMM 105	Oral Communication*	3
DIGM 201	Video and Church Media Seminar	1	ENGL xxx	Literature* (1st or 2nd year)	3
RELI/ PHIL	Religion/Philosophy (1st or 2nd year)	3	Varies	3 rd Lang or Cross Cultural* (2 nd or 3 rd year)	3
DIGM 210 or DIGM 215	Video and Church Media Seminar Game and Art Design Seminar	1	Varies	1st Social Science, History* (1st or 2nd year)	3
	TOTAL	14		TOTAL	15
ADT 000 007	Junior – Fall	T		Junior – Spring	1
ART 336, 337 or 431**	Design for New Media OR Digital Illustration OR Motion Design**	3	COMM 317	Advanced Editing and Effects (J Term)	3
COMM 321/327 or ARTH 210	Latin American Cinema OR Global Indigenous Media OR Topic in NW Art	3	COMM 328	Methods and Issues in Film Studies	3
PHIL/RELI xxx	Philosophy/Religion* (1st or 2nd yr)	3	COMM 382	History and Theory of Digital Media*** (odd years only)	(3)
Varies	Laboratory Science*	3-4	ENGL xxx	Literature*	3
Varies	DigMed elective*	3	THEO 2xx	Christian Beliefs* (2nd or 3rd year)	3
DIGM 210 or DIGM 215	Video and Church Media Seminar Game and Art Design Seminar	1			
<u> </u>	TOTAL	16-17		TOTAL	15
	Senior – Fall			Senior – Spring	
DIGM 490	Senior Seminar and Project	3	MUCM 353	Sound Design	(3)
COMM 341	Communication Theory	3	COMM 382	History & Theory of DM***	(3)
Varies*	DIGM elective	3	COMM 328	Methods and Issues in Film Studies	3
Varies	Elective	3	INTE 3xx	Internship	1-3
Varies	Ethics/Pluralism/World Views	3	Varies	2 nd Social Science, History* (1 st or 2 nd yr)	3
	TOTAL	15		TOTAL	10^-19

^{*}QuEST requirement

The QuEST requirement for Science, Technology, and the World is waived for this major.

^{**}Careful planning required due to scheduled offerings. Students may need to take these courses in different semesters.

***Odd years only.

[^]Students must take 12 credits to be a full-time student. Dropping below 12 may affect financial aid.

Film and Media Arts 8 semester plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
COMM 105	Oral Communication*	3	Varies	1 st language*	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
Varies	Mathematical Sciences* (1st year)	3-4	Varies	Art, Music, Theatre, Dance*	3
COMM 217	Introduction to Film	3	Varies	Laboratory Science* (1st year)	3-4
COMM 203	Basic Video and Editing Techniques	3	ENGL xxx	Literature* (1st or 2nd yr)	3
COMM 107	Introduction to Communication Seminar	1			
	TOTAL	16		TOTAL	15-16
	Sophomore –Fall			Sophomore – Spring	
Varies	2 nd language* (1 st or 2 nd yr)	3	Varies	3rd lang or Cross Cultural* (2nd or 3rd yr)	3
Varies	1st Social Science, History* (1st or 2nd yr)	3	Varies	2 nd Social Science, History* (1 st or 2 nd yr)	3
Varies	Philosophy/Religion* (1st or 2nd yr)	3	BIBL 20x	Knowledge of the Bible* (1st or 2nd yr)	3
	Film History I (1st or 2nd yr; offered even fall		COMM 252 or	Film History II (1st or 2nd yr; offered odd	
COMM 251 or	semesters only) OR Film and HD	_	COMM 317	spring semesters only) OR	2.0
220	Production I (prerequisites COMM 217 and	3	and COMM	HD Production II and	3-6
	COMM 203 Basic)		320	COMM 317 Adv. Editing & Effects (J)	
COMM 254	Corporusiting	3	COMM xxx	Core interpersonal requirement (menu)	3
COMM 254	Screenwriting I	٥		or core media requirement (menu)	
	TOTAL	15		TOTAL	15-18
	Junior – Fall			Junior – Spring	,
IDST xxx	Science, Tech & World * (3rd or 4th yr)	3	THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3
IDNW xxx	Non-Western Studies* (2 nd or 3 rd yr)	2-3	Varies	Ethics/Pluralism/World Views* 3-4	3
	Film History I (1st or 2nd yr; offered even fall		COMM 252 or	Film History II (1st or 2nd yr; offered odd	
COMM 251	semesters only) OR Film and HD		COMM 317	spring semesters only) OR	2.0
OR COMM	Production I (pre or co-requisites COMM	3	and COMM	HD Production II and	3-6
203	217 and COMM 203 Basic)		320	COMM 317 Adv. Editing and Effects (J)	
Varies or	Film Electives OR Junior/Senior Film	1-3	\		
COMM 420	Practicum		Varies	FAMA Electives	3
COMM xxx	Core media requirement (menu) or	3	COMM 328	Methods and Issues in Film Studies (3rd	3
	Interpersonal requirement (menu)		OR Varies	or 4th yr) OR FAMA electives	
COMM 341	Communication Theory	3		* '	
	•				
	TOTAL	17-18		TOTAL	15-18
	Senior – Fall			Senior – Spring	
WELL 1xx	Wellness	1	COMM 328	Methods and Issues in Film Studies (3rd	3
			OR Varies	or 4th yr) OR FAMA electives	
COMM 400	Lucion/Conion Film Depotiouse**	1.2	INTE 391 or	Internship	3-6
COMM 420	Junior/Senior Film Practicum**	1-3	394		
Varies	FAMA elective	3	Varies	2 Elective/FAMA electives	6
COMM 493	Senior Seminar	3	COMM 420	Junior/Senior Film Practicum	1-3
Varies	1-2 elective courses	3-6			
	TOTAL	13-16		TOTAL	13-18

^{*} QuEST requirement

^{**}Three credits should be taken over the course of their Junior and Senior year

Journalism Major 8-semester plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
IDFY 101 First Year Seminar*		3	IDCR 151	Created and Called for Community	3
COMM 105	Fund. of Oral Communication*	3	ENGL xxx	Literature* (1st or 2nd year)	3
			WELL 1xx	Wellness* (1st or 2nd year)	1
Varies	1st Social Science or History* (1st or 2nd yr)	3	Varies	Laboratory Science*	4
COMM 218	Mass Media & Society (if available)	3	Varies	2 nd Social Science, History* (1 st or 2 nd yr)	3
COMM 107	Introduction to Communication Seminar	1	COMM 392	Student Media Lab	1
COMM 112	Newswriting	3	Varies	Electives/minor	3
	TOTAL	16		TOTAL	18
	Sophomore – Fall	•		Sophomore – Spring	
BIBL 20x	Knowledge of the Bible* (1st or 2nd year)	3	Varies	1st Language (1st or 2nd year)	3
Varies	Math/CIS/STAT course*	3-4	COMM 243	Audio/Visual Newsgathering	3
COMM 241, 313, 392, 354	Interpersonal menu option	3	RELI/PHIL	Religion/Philosophy* (1st or 2nd yr)	3
COMM 2xx	Communication Design	3	Varies	Elective/Minor	6
Varies	Journalism elective/minor	3			
	TOTAL	15-16		TOTAL	. 15
	Junior – Fall			Junior – Spring	
Varies	2 nd language* (1 st or 2 nd yr)	3	COMM 330	Multimedia Storytelling	3
THEO 2xx	Christian Beliefs* (2nd or 3rd year)	3	COMM xxx	Journalism Electives	3
Varies	Science, Technology & the World	3	Varies	3 rd Language or Cross Cultural	3
COMM 392	Student Media Lab	1	COMM 392	Student Media Lab	1
Varies	Non-western*	(2-3)	Varies	Electives/Minor	3-6
COMM 341	Communication Theory (or Rhetorical Theory in spring)	3			
	TOTAL	15-16		TOTAL	13-16
	Senior – Fall			Senior – Spring	
Varies	Art, Music, Theatre, Dance*	3	COMM 493	Senior Seminar	3
Varies	Ethics/Pluralism/World View*	3	INTE 391 or INTE 394	Internship	4
COMM 365	Media Law and Ethics	3	Varies	Electives/Minor	6-9
COMM 492 or 392	Messiah Media Lab Leadership or Messiah Media Lab	2	COMM xxx	Journalism Electives	3
COMM xxx	Journalism Electives	3			<u> </u>
Varies	Electives/Minor	(3)			
	TOTAL	17-18		TOTAL	16-19

*QuEST requirement

Broadcasting and Media Production 8-semester plan

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall			First Year - Spring		
COMM 105	Oral Communication*	3	Varies	1st language*	3
COMM 107	Introduction to Communication Seminar	1	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	Varies	Art, Music, Theatre, Dance*	3
PHIL/RELI xxx	Philosophy/Religion*	3	Varies	Laboratory Science*	3-4
MATH/CIS/STAT	Mathematical Sciences*	3	WELL 1xx	Wellness Activity	1
COMM 218	Mass Media and Society*	3	COMM 247	Writing for Mass Media	3
	TOTAL	16		TOTAL	_ 16-17
	Sophomore – Fall			Sophomore – Spring	,
Varies	2 nd language*	3	Varies	3rd language or Cross Cultural*	3
Varies	1st Social Science or History*	3	ENGL xxx	Literature*	3
RELI/PHIL	Religion/Philosophy*	3	Varies	2 nd Social Science, History*	3
WELL 1xx	Wellness* (1st or 2nd year)	1	THEO 2xx	Christian Beliefs*	3
COMM xxx	Interpersonal menu course selection	3	COMM 243	Audio/Visual Newsgathering	3
COMM 203	Basic Video & Editing	3	COMM 324	Television Production	3
	TOTAL	16		TOTAL	_ 8
	Junior – Fall			Junior – Spring	•
COMM 341	Communication Theory	3	Varies	Elective/minor	3
IDNW xxx	Non-Western Studies*	2-3	Varies	Elective/minor	3
BIBL 20x	Knowledge of the Bible*	3	Varies	Elective/minor	3
COMM 365	Media Law and Ethics	3	Varies	Internship/media lab practicum	3
Varies	Major elective	3	Varies	Major elective	3
	TOTAL	14-15		TOTAI	_ 15
	Senior – Fall			Senior – Spring	
IDS xxx	Ethics/Pluralism/World Views*	3	COMM 493	Senior Seminar	3
IDST xxx	Science, Tech, & World*	3	Varies	Elective/minor	3
Varies	Elective/minor	3	Varies	Elective/minor	3
Varies	Elective/minor	3	Varies	Elective/minor	3
Varies	Major elective	3	Varies	Internship/media lab practicum	3
	TOTAL	15		TOTAL	_ 15

*QuEST requirement

Public Relations 8-semester plan

	0-3CIII	cster pran			
Course name	Credits	Course #	Course name	Credits	
First Year – Fall			First Year – Spring		
Oral Communication*	3	IDCR 151	Created and Called for Community*	3	
First Year Seminar*	3	MRKT 320	Marketing Principles	3	
Intro to Communication Seminar	1	COMM 205	Principles of Public Relations	3	
Mathematical Science* (1st year)	3				
Wellness* (1st or 2nd year)	1	Varies	Art, Music, Theatre or Dance*	3	
1st language*	3	Varies	2 nd language* (1 st or 2 nd year)	3	
TOTAL	14		TOTAL	15	
Sophomore – Fall			Sophomore – Spring		
	3	Varies		3	
				1	
	3	ENGL XXX	Literature [*] (1 st or 2 nd year)	3	
0		COMM 211,	O a series in the O and Market O and OD	†	
Communication Core Media Course OR		,	Communication Core Media Course OR		
	3			3	
Communication Interpersonal Course			Communication Interpersonal Course		
'		354	'		
Philosophy/Religion* (1st or 2nd year)	3	RELI/PHIL	Religion/Philosophy* (1st or 2nd year)	3	
	3	Varies		3	
				1	
TOTAL	15		TOTAL	15	
Junior – Fall			Junior – Spring		
Public Relations menu option	3	COMM 353	Crisis Communication/Media Relations	3	
Public Relations menu option	3	COMM xxx	Public Relations menu option	3	
Communication Theory	3	COMM 359	Rhetorical Theory	3	
Laboratory Science* (1st year)	3-4	BIBL 20x	Knowledge of the Bible* (1st or 2nd year)	3	
	2	IDNIM/		0.0	
	3	IDINW XXX	Non-western Studies" (2nd or 3nd year)	2-3	
TOTAL	15		TOTAL	14-15	
Senior – Fall			Senior – Spring		
Communication Senior Seminar	3	THEO 2xx		3	
Public Relations menu option	3	IDS xxx	Ethics/Pluralism/World Views* (3rd or 4th year)	3	
Communication Practicum OR	4 40			0.46	
Internship	1-12		ivinor credits/internship/practicum	6-12	
	3	1			
				1	
ivilnor creaits			:	i	
Minor credits					
	First Year – Fall Oral Communication* First Year Seminar* Intro to Communication Seminar Mathematical Science* (1st year) Wellness* (1st or 2nd year) 1st language* TOTAL Sophomore – Fall Public Relations Writing Public Relations menu option Communication Core Media Course OR Communication Interpersonal Course Philosophy/Religion* (1st or 2nd year) 1st Social Science, History* (1st or 2nd year) 1st Social Science, History* (1st or 2nd year) TOTAL Junior – Fall Public Relations menu option Public Relations menu option Communication Theory Laboratory Science* (1st year) Core Writing (COMM 247, 254, ENGL 112, 211 or 212) TOTAL Senior – Fall Communication Senior Seminar Public Relations menu option Communication Practicum OR Internship Science, Tech, & World* (3rd or 4th year)	Course name Credits First Year – Fall 3 Oral Communication* 3 First Year Seminar* 3 Intro to Communication Seminar 1 Mathematical Science* (1st year) 3 Wellness* (1st or 2nd year) 1 1st language* 3 TOTAL 14 Sophomore – Fall Public Relations Writing 3 Public Relations menu option 3 Communication Core Media Course OR 3 Communication Interpersonal Course 3 Philosophy/Religion* (1st or 2nd year) 3 1st Social Science, History* (1st or 2nd year) 3 TOTAL 15 Junior – Fall Public Relations menu option 3 Public Relations menu option 3 Core Writing (COMM 247, 254, ENGL 112, 211 or 212) 3 TOTAL 15 Senior – Fall Communication Senior Seminar 3 Public Relations menu option 3 TOTAL 15 <td co<="" td=""><td>First Year – Fall Oral Communication* 3 IDCR 151 First Year Seminar* 3 MRKT 320 Intro to Communication Seminar 1 COMM 205 Mathematical Science* (1st year) 3 Varies 1st language* 3 Varies TOTAL 14 Sophomore – Fall Public Relations Writing 3 Varies Public Relations menu option 3 ENGL xxx Communication Core Media Course OR COMM 211, 218, or 282 Communication Interpersonal Course 3 COMM 241, 313, 342 or 354 Philosophy/Religion* (1st or 2nd year) 3 RELI/PHIL TOTAL 15 Junior – Fall Public Relations menu option 3 COMM 353 Public Relations menu option 3 COMM 353 Public Relations menu option 3 COMM 359 Laboratory Science* (1st year) 3-4 BIBL 20x Core Writing (COMM 247, 254, ENGL 112, 211 or 212) 3 IDNW xxx TOTAL 15 Senior – Fall Communication Senior Seminar 3 THEO 2xx Public Relations menu</td><td> Course name Credits First Year - Fall First Year - Fall First Year - Fall First Year - Spring </td></td>	<td>First Year – Fall Oral Communication* 3 IDCR 151 First Year Seminar* 3 MRKT 320 Intro to Communication Seminar 1 COMM 205 Mathematical Science* (1st year) 3 Varies 1st language* 3 Varies TOTAL 14 Sophomore – Fall Public Relations Writing 3 Varies Public Relations menu option 3 ENGL xxx Communication Core Media Course OR COMM 211, 218, or 282 Communication Interpersonal Course 3 COMM 241, 313, 342 or 354 Philosophy/Religion* (1st or 2nd year) 3 RELI/PHIL TOTAL 15 Junior – Fall Public Relations menu option 3 COMM 353 Public Relations menu option 3 COMM 353 Public Relations menu option 3 COMM 359 Laboratory Science* (1st year) 3-4 BIBL 20x Core Writing (COMM 247, 254, ENGL 112, 211 or 212) 3 IDNW xxx TOTAL 15 Senior – Fall Communication Senior Seminar 3 THEO 2xx Public Relations menu</td> <td> Course name Credits First Year - Fall First Year - Fall First Year - Fall First Year - Spring </td>	First Year – Fall Oral Communication* 3 IDCR 151 First Year Seminar* 3 MRKT 320 Intro to Communication Seminar 1 COMM 205 Mathematical Science* (1st year) 3 Varies 1st language* 3 Varies TOTAL 14 Sophomore – Fall Public Relations Writing 3 Varies Public Relations menu option 3 ENGL xxx Communication Core Media Course OR COMM 211, 218, or 282 Communication Interpersonal Course 3 COMM 241, 313, 342 or 354 Philosophy/Religion* (1st or 2nd year) 3 RELI/PHIL TOTAL 15 Junior – Fall Public Relations menu option 3 COMM 353 Public Relations menu option 3 COMM 353 Public Relations menu option 3 COMM 359 Laboratory Science* (1st year) 3-4 BIBL 20x Core Writing (COMM 247, 254, ENGL 112, 211 or 212) 3 IDNW xxx TOTAL 15 Senior – Fall Communication Senior Seminar 3 THEO 2xx Public Relations menu	Course name Credits First Year - Fall First Year - Fall First Year - Fall First Year - Spring

*QuEST requirement

Note 1: The above is a GUIDELINE ONLY, to be used in helping you map out your coursework. Interest in studying abroad or taking a semester in a specialized program (Contemporary Music Center, Washington DC American Studies Program, etc.) will shift course scheduling accordingly. Planning ahead is key to fitting in all that you desire during your four years at Messiah College. 123 credits are required to graduate.

Note 2: (F) denotes Fall Only course; (S) denotes Spring Only course. Some COMM Core Media or Interpersonal courses are also offered Fall or Spring Only or on an occasional basis. Subject to change.

Note 3: Internships/practica must be taken for a grade rather than pass/fail, and practicum work must be done outside the department to count toward the requirement.

III. Computing, Mathematics, and Physics

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udents with Advanced Placement credit:semester Plans	
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Students with Advanced Placement credit:

Requirements for the following courses can be met through Advanced Placement exam credit. The College awards the following credit for AP scores:

AP Subject	AP Exam Score	Hrs Credit	MC Courses Credited
Computer Science A	3,4,5	3	CIS 181
Math: Calculus AB	3	3	MATH 108
	4, 5	4	MATH 111
Math: Calculus BC	3 with AB subscore 3	3	MATH 108
	3 with AB subscore 4,5	4	MATH 111
	4,5	8	MATH 111, 112
Statistics	3,4,5	3	STAT 269
Math: Calculus AB	3	3	MATH 108
	4, 5	4	MATH 111 (enroll in 112)
Math: Calculus BC	3 with AB subscore 3	3	MATH 108
	3 with AB subscore 4,5	4	MATH 111 (enroll in 112)
	4,5	8	MATH 111, 112 (enroll in 211)
Physics 1	3, 4, 5	4	PHYS 201* (enroll in 202)
Physics 2	3, 4, 5	4	PHYS 202*
Physics C: Mechanics	3,4,5	4	PHYS 211 (enroll in PHYS 212)
Physics C: Electricity & Magnetism	3,4,5	4	PHYS 212
Statistics	3,4,5	3	STAT 269 (enroll in STAT 291)** or STAT 281

^{*} Mathematics majors are required to take the PHYS 211/212 sequence rather than PHYS 201/202. However, if a student in the mathematics major receives AP credit for both PHYS 201 and 202, the 211/212 requirements are waived.

^{**} AP Statistics is not a calculus-based course or exam. Mathematics majors who receive AP credit for Statistics are still required to take STAT 291 for the major requirement.

8-semester Plans

Actuarial Science (B.S.)

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall		First Year - Spring			
COMM 105	Fundamentals of Oral Communication*	3	MATH 112	Calculus II with lab	4
MATH 111	Calculus I with lab	4	MATH 198	Introduction to Mathematical Proof	2
MATH 196	Mathematics Seminar	2	ACCT 131	Survey of Accounting	3
ECON 120	Principles of Macroeconomics	3	Varies	2nd semester of language*	3
IDFY 101	First-Year Seminar*	3	IDCR 151	Created and Called for Community*	3
Varies	1st semester of language*	3			
		40			4=
	TOTAL	18		TOTAL	15
MATHOAA	Sophomore –Fall		NAATU OCA	Sophomore – Spring	
MATH 211	Calculus III with lab	4	MATH 261	Linear Algebra	3
STAT 291	Probability and Statistics	3	Varies	3rd semester of Language or Cross Cultural*	3
ENGL 1xx	Literature meeting QuEST*	3	Varies	Philosophy or Religion meeting QuEST*	3
ECON 220	Principles of Microeconomics	3	STAT 292	Inferential Statistics	3
BIBL 201/203/204	Bible*	3	CIS 181	Computer Programming I	3
	TOTAL	16		TOTAL	15
	Junior – Fall			Junior – Spring	
FINA 350	Financial Management	3	THEO 205-238	Christian Beliefs*	3
HIST 1xx	US/European History meeting QuEST*	3	INTE 391	Internship	3
MATH 350 or	Mathematics of Finance I OR	3	MATH 351 or	Mathematics of Finance II OR	3
STAT 417	Mathematical Statistics**	3	STAT 345	Time Series Analysis**	
PHYS 211	General Physics I with lab	4	Varies	Art, Music, Theatre or Dance meeting QuEST*	3
	TOTAL	13		TOTAL	12
	Senior – Fall			Senior – Spring	
MATH 350 or	Mathematics of Finance I OR	3	MATH 351 or	Mathematics of Finance II OR	2
STAT 417	Mathematical Statistics**	3	STAT 345	Time Series Analysis**	3
IDNW 2xx	Non-western Studies*	2-3	MATH 496	Mathematical Capstone	2
WELL 1xx	Wellness*	1	Varies	Ethics/WV/Pluralism*	3
MATH 362	Algebraic Structures	3	MATH 412	Real Analysis	3
FINA 307/351/405	Upper Level Finance Elective	3			
	TOTAL	12-13		TOTAL	12

^{*} QuEST requirement

NOTE: The major includes 10-11 free elective credits. These should be used to fill the lower credit semesters. Also, the Department suggests that student in this major could consider a minor in a related area to make best use of the elective credits and additional space in this plan.

^{**} These pairs of courses are offered in alternate years. MATH 350/351 should be taken Fall/Spring whichever year it is offered and STAT 417/345 should be taken Fall/Spring in the alternate year.

Computer and Information Science (B.S.) Business Information Systems Concentration

8-semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall			First Year – Spring		
CIS 180	Introduction to CIS	3	CIS 190	Strategic Use of Info Technology	3
CIS 181	Computer Programming I	3	COMM 105	Oral Communication*	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
LANG 101	Language 101*	3	LANG 102	Language 102*	3
PHIL/RELI xxx	Philosophy and Religion*	3	LAB xxx	Lab Science*	3-4
	TOTAL	15		TOTAL	_ 15-16
	Sophomore – Fall			Sophomore – Spring	
BUSA 360	Operations Management §	3	CIS 284	Computer Programming II §	3
ACCT 141	Financial Accounting	3	BUSA 120	Principles of Management	3
ECON 120	Macroeconomics	3	MATH 107	Applied Mathematics for Management §	3
SOCI/HIST	Social Science / History 1 of 2*	3	MRKT 230	Marketing Principles	3
LANG 201	Language 201*	3	BIBL 20x	Knowledge of the Bible*	3
	TOTAL	15		TOTAL	_ 15
	Junior – Fall			Junior – Spring	
CIS 332	Database Concepts	3	CIS 381	Information Systems and Managers	3
STAT 281	Applied Statistics for Managers	3	CIS xxx	CIS Elective (excluding CIS 171) 2 of 3	3
CIS xxx	CIS Elective (excluding CIS 171) 1 of 3	3	ENGL xxx	Literature*	3
SOCI/HIST	Social Science / History 2 of 2*	3	THEO 2xx	Christian Beliefs*	3
ART xxx	Arts*	3	WELL xxx	Wellness*	1
IDNW xxx	Non-Western Studies*	2-3			
	TOTAL	17-18		TOTAL	. 13
010 444	Senior – Fall		IDO	Senior – Spring	1 0
CIS 411	Systems Analysis and Design Concepts	3	IDS xxx	Ethics / Pluralism / World Views*	3
CIS xxx	CIS elective (excluding CIS 171) 3 of 3	3		Free elective 3 of 5	3
INTE 394	Internship	4		Free elective 4 of 5	3
	Free elective 1 of 5	3		Free elective 5 of 5	3
	Free elective 2 of 5	3			
	TOTAL	16		TOTAL	_ 12

*QuEST requirement

†Offered alternate years as indicated

§ Concentration choice option: other courses in other semesters may fulfill this same requirement

Computer and Information Science (B.S.) Computer Science Concentration

8-semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall		First Year – Spring			
CIS 180	Introduction to CIS	3	CIS 284	Computer Programming II	3
CIS 181	Computer Programming I	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	COMM 105	Oral Communication*	3
LANG 101	Language 101*	3	LANG 102	Language 102*	3
PHIL/RELI xxx	Philosophy and Religion*	3	SOCI/HIST	Social Science / History 1 of 2*	3-4
	TOTA	L 15		TOTAL	. 15-16
	Sophomore – Fall			Sophomore – Spring	
CIS 385	Data Structures and Algorithms	3	MATH 180	Discrete Math	3
MATH 111	Calculus I	3	CIS 482	Organization of Programming Languages	3
LANG 201	Language 201*	3	PHYS 202	Introductory Physics II §	3
ENGL xxx	Literature*	3	SOCI/HIST	Social Science / History 2 of 2*	3
BIBL 20x	Knowledge of the Bible*	3	THEO 2xx	Christian Beliefs*	3
	TOTA	L 15		TOTAL	. 15
	Junior – Fall			Junior – Spring	
CIS 332	Database Concepts	3	CIS 381	Information Systems and Managers	3
CIS 384	Elements of Computer Systems	3	IDNW xxx	Non-Western Studies	3
CIS 418	Artificial Intelligence † § (even fall)	3	ART xxx	Arts*	3
STAT 291	Statistics for Math Sciences §	3	WELL xxx	Wellness*	1
ENGR 342	Embedded Systems Design	4		Free Elective 1 of 6	3
	TOTA	L 16		TOTAL	. 13
	Senior – Fall			Senior – Spring	•
CIS 411	Systems Analysis and Design Concepts	3	CIS 416	OS & Comp Architecture † (odd spring)	3
INTE 394	Internship	4	IDS xxx	Ethics / Pluralism / World Views*	3
	Free elective 2 of 6	4		Free elective 5 of 6	3
	Free elective 3 of 6	3		Free elective 6 of 6	3
	Free elective 4 of 6	3			
	TOTA	L 17		TOTAL	. 12

*QuEST requirement

†Offered alternate years as indicated

§ Concentration choice option: other courses in other semesters may fulfill this same requirement

Computer and Information Science (B.S.) Software Development Concentration

8-semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall		First Year – Spring			
CIS 180	Introduction to CIS	3	CIS 191	Web Development I: Client Side	3
CIS 181	Computer Programming I	3	CIS 284	Computer Programming II	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
LANG 101	Language 101*	3	COMM 105	Oral Communication*	3
SOCI/HIST	Social Science / History 1 of 2*	3	LANG 102	Language 102*	3
	TOTAL	. 15		TOTAI	_ 15
	Sophomore – Fall			Sophomore – Spring	
CIS 283	Business Systems Applications † (odd fall)	3	CIS 482	Organization of Programming Languages	3
CIS 291	Web Development II: Server Side	3	MATH 111	Calculus I §	4
CIS 385	Data Structures and Algorithms	3	MATH 180	Discrete Math	3
LANG 201	Language 201*	3	LAB xxx	Lab Science*	3
ENGL xxx	Literature*	3	PHIL/RELI xxx	Philosophy and Religion*	3
WELL xxx	Wellness	1			
	TOTAL	. 16		TOTAL	. 16
	Junior – Fall			Junior – Spring	
CIS 332	Database Concepts	3	CIS 381	Information Systems and Managers	3
CIS 384	Elements of Computer Systems§	3	SOCI/HIST	Social Science / History 2 of 2*	4
CIS 335	Software Engineering † (even fall)	4	THEO 2xx	Christian Beliefs*	3
CIS 418	Artificial Intelligence † § (even fall)	3	ART xxx	Arts*	3
	Free Elective 1 of 6	3			
	TOTAL	. 16		TOTAL	_ 13
	Senior – Fall			Senior – Spring	7
CIS 411	Systems Analysis and Design Concepts	3	IDS xxx	Ethics / Pluralism / World Views*	3
INTE 394	Internship	3		Free elective 4 of 6	3
IDNW xxx	Non-Western Studies*	2-3		Free elective 5 of 6	3
BIBL 20x	Knowledge of the Bible*	3		Free elective 6 of 6	3
	Free elective 2 of 6	3			
	Free elective 3 of 6	3			
	TOTAL		requirement	TOTAL	_ 12

*QuEST requirement

†Offered alternate years as indicated

§ Concentration choice option: other courses in other semesters may fulfill this same requirement

Computer and Information Science (B.S.) Web Development Concentration

8-semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
CIS 180	Introduction to CIS	3	CIS 191	Web Development I: Client Side	3
CIS 181	Computer Programming I	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	COMM 105	Oral Communication*	3
LANG 101	Language 101*	3	LANG 102	Language 102*	3
SOCI/HIST	Social Science / History 1 of 2*	3	ENGL xxx	Literature*	3
			MATH 107§	Applied Mathematics for Management	3
	TOTAL	15		TOTAL	18
	Sophomore – Fall			Sophomore – Spring	
CIS 291	Web Development II: Server Side	3	ART 112	Intro to Graphic Design §	3
BUSA 120	Principles of Management	3	MRKT 230	Marketing Principles	3
LANG 201	Language 201*	3	LAB xxx	Lab Science*	3
SOCI/HIST	Social Science / History 2 of 2*	3	PHIL/RELI xxx	Philosophy and Religion*	3
BIBL 20x	Knowledge of the Bible*	3	CIS 150**	Introduction to CyberSecurity	3
CIS 255	NIX System Administration and Security	3		-	
	TOTAL	18		TOTAL	15
	Junior – Fall			Junior – Spring	
CIS 283§	Business Systems Applications † (odd fall)	3	CIS 381	Information Systems and Managers	3
CIS 332	Database Concepts	3	CIS 343	E-Commerce † (odd spring)	3
BUSA 380	Small Business Development	3	ART 337	Graphic Design & Professional Practice §	3
ART 211	Computer Art and Imaging §	3	THEO 2xx	Christian Beliefs*	3
IDNW xxx	Non-Western Studies*	2-3	WELL xxx	Wellness*	1
CIS 257**	Information Assurance	3			
	TOTAL	17-18		TOTAL	13
	Senior – Fall	117-10		Senior – Spring	10
CIS 411	Systems Analysis and Design Concepts	3	IDS xxx	Ethics / Pluralism / World Views*	3
INTE 394	Internship	3	IDO AAA	Free elective 4 of 6	3
IIVI	Free elective 1 of 6	4		Free elective 5 of 6	3
	Free elective 2 of 6	3		Free elective 6 of 6	3
	Free elective 3 of 6	3	ART 312	Digital Imaging§	3
	TOTAL	16		TOTAL	15

*QuEST requirement

†Offered alternate years as indicated

§ Concentration choice option: other courses in other semesters may fulfill this same requirement **Option 1 of 3: Other course combinations may fulfill this same requirement

Computer Science with Teaching Certification (B.A.)

8-Semester Plan

Superscript indicates course prerequisite
Unless indicated, CIS courses are offered every semester

Semester 2
CIS 284 Programming II (3) CIS181 prereq
CIS 254 Frogramming if (3) CIS 150 Introduction to Cybersecurity (3)
CIS 150 introduction to cybersecurity (5) CIS 150 if offered spring semesters
CIS 191 Web Development Client Side (3)
LANG 102 (3)
IDCC Created and Called for Community (3)
1
WELL (1) 16 credits
Semester 4
LANG 201 or CC (3)
ARTS (3)
EDUC 208 Teaching English LL in K-12 Schools (3)
EDSP 207 Introduction to Special Education (3)
TEP 210 Sophomore Field Experience (0)
EDUC 203 Educational Psychology (3)
Literature (ENGL 122-176) (3)
Literature (ENGL 122-170) (5)
18 credits
Semester 6
CIS 411 Sys Analysis & Design Concepts (3)
CIS 411 offered spring semesters
MATH 180 Discrete Math (3)
MATH 180 offered spring semesters
MATH 307 (2)
MATH 307 offered spring semesters
EDSP 307 Inclusion Practices(3) EDSP 331 & TEP 310 concurnt
EDUC 331 Instructional Design & Assessment
Middle/Secondary (3) ^{EDSP 307 & TEP 310 concurrent}
TEP 310 Junior Field Exp. (0) ^{EDSP 307 & EDUC 331 concurnt}
Laboratory Science (3-4)
17-18 credits
Semester 8
CIS 381 Information Systems and Managers (3)
CIS 385 Data Structures and Algorithms (3) ^{CIS284 prereq}
Non-Western (2-3)
Christian Beliefs (3)
History (3)

Cybersecurity (B.S.) (Odd year start) 8 Semester Plan

Course #	Course Name	Credits	Course #	Course Name	Credits
First Year – Fall			First Year – Spring		
CIS 180	Introduction to CIS	3	CIS 284	Programming II	3
CIS 181	Programming I	3	CIS 150	Introduction to Cybersecurity	3
IDFY 101	First Year Seminar	3	IDCR 151	Created and Called for Community	3
COMM 105	Oral Communication	3	Varies	2 nd Language	3
Varies	1st Language	3	Varies	Philosophy or Religion	3
	Total	15		Tota	15
	Sophomore – Fall			Sophomore – Spring	
CIS 332	Database Concepts	3	CIS 255	NIX System Administration & Security	3
CIS 385	Data Structures and Algorithms	3	MATH 180	Discrete Math	3
CIS 265	Digital Forensics	3	ENGL xxx	Literature	3
STAT 291	Statistics for Math Sciences	3	Varies	3 rd Language	3
BIBL 2xx	Knowledge of the Bible	3		-	
	Total	16		Tota	12
	Junior – Fall*			Junior – Spring*	
CIS 335	Software Engineering	3			
CIS 257	Information Assurance	3	CIS 364	Ethical Hacking	3
Varies	Internship or free elective	2-6	CIS 462	Secure Software	3
Varies	Lab Science	3	Varies	Internship or free elective	2-6
WELL xxx	Wellness	1	Varies	Social Science	3
			Varies	History	3
	Total	12-15		Tota	14-18
<u> </u>	Senior – Fall*			Senior – Spring*	
CIS 411	System Analysis & Design Concepts	3	CIS 455	Network Security	3
CIS 415	Data Communications and Networking	3	Varies	Internship or free elective	2-6
Varies	Internship or free elective	2-6	Varies	Ethics/World Views/Pluralism	3
Varies	Christian Beliefs	3	ART xxx	Arts	3
Varies	Free Elective	3	Varies	Free Elective	3
	Total	14-18		Tota	14-18

*QuEST requirement

*4 credits of INTE 391 or INTE 394 can be taken any semester Junior or Senior year

**Semesters should not exceed 18 credits

Cybersecurity (B.S.) (Even Year Start) 8 Semester Plan

*QuEST requirement

Course #	Course Name	Credits	Course #	Course Name	Cr	redits
	First Year – Fall			First Year – Spring		
CIS 180	Introduction to CIS	3	CIS 284	Programming II		3
CIS 181	Programming I	3	CIS 150	Introduction to Cybersecurity		3
IDFY 101	First Year Seminar	3	IDCR 151	Created and Called for Community		3
COMM 105	Oral Communication	3	Varies	2 nd Language		3
Varies	1st Language	3	Varies	Philosophy or Religion		3
	Total	15		То	tal	15
	Sophomore – Fall			Sophomore – Spring		
CIS 332	Database Concepts	3	CIS 364	Ethical Hacking		3
CIS 385	Data Structures and Algorithms	3	MATH 180	Discrete Math		3
CIS 257	Information Assurance	3	ENGL xxx	Literature		3
STAT 291	Statistics for Math Sciences	3	Varies	3 rd Language		3
BIBL 2xx	Knowledge of the Bible	3	Varies	History		3
	Total	15		То	tal	15
	Junior – Fall*			Junior – Spring*		
CIS 415	Data Communications and Networking	3	CIS 255	NIX System Administration & Security		3
CIS 265	Digital Forensics	3	CIS 455	Network Security		3
Varies	Internship or free elective	2-6	Varies	Internship or free elective		2-6
Varies	Lab Science	3	Varies	Social Science		3
WELL xxx	Wellness	1	ART xxx	Arts		3
	Total	12-15		То	tal 1	14-18
	Senior – Fall*			Senior – Spring*		
CIS 411	System Analysis & Design Concepts	3	CIS 416	Operating Systems and Architecture		3
CIS 335	Software Engineering	3	CIS 462	Secure Software		3
Varies	Internship or free elective	2-6	Varies	Internship or free elective		2-6
Varies	Christian Beliefs	3	Varies	Ethics/World Views/Pluralism		3
Varies	Free Elective	3	Varies	Free Elective		3
	Total	14-18		To	tal 1	14-18

*INTE 391 or INTE 394 can be taken any semester Junior or Senior year

**Semesters should not exceed 18 credits

Digital Media (B.A.) Mobile Application and Game Design Concentration 8-semester Plan

Course #	Course name	Credits	Course #	Course name		Credits
	First Year – Fall		First Year – Spring			
CIS 180	Introduction to CIS	3	CIS 191	Web Development I: Client Side		3
CIS 181	Computer Programming I	3	CIS 284	Computer Programming II		3
COMM 203	Basic Video and Editing Techniques	3	IDCR 151	Created and Called for Community*		3
IDFY 101	First Year Seminar*	3	COMM 105	Oral Communication*		3
LANG 101	Language 101*	3	LANG 102	Language 102*		3
	TOTAL	15			TOTAL	18
	Sophomore – Fall			Sophomore - Spring		
ART 236	Graphic Design and Visual Culture §	3	ART 171	Foundations of Drawing §		3
CIS 291	Web Development II: Server Side	3	ARTH 210	Topics in Non-Western Art §		3
COMM 217	Intro to Film	3	CIS 287	Intro to Game Design † (even J-Term)		3
SOCI/HIST	Social Science / History 1 of 2*	3	COMM 382	History and Theory of Digital Media		3
LANG 201	Language 201*	3	BIBL 20x	Knowledge of the Bible*		3
DIGM 210 or	Video and Church Media Seminar	1	WELL xxx	Wellness*		1
	TOTAL	16			TOTAL	16
	Junior – Fall			Junior – Spring		
CIS 315	Intro to Mobile App Design † (odd fall)	3	MUCM 353	Sound Design		3
ART 336	Design for New Media §	3	LAB xxx	Laboratory Science*		3-4
SOCI/HIST	Social Science / History 2 of 2*	3	ENGL xxx	Literature*		3
THEO 2xx	Christian Beliefs*	3	PHIL/RELI xxx	Philosophy/Religion*		3
	Free Elective	3		Free Elective		3
DIGM 210 or	Video and Church Media Seminar	1				
	TOTAL	16			TOTAL	15-16
	Senior – Fall			Senior – Spring		Ţ
DIGM 490	Senior Seminar and Project	4	CIS 381	Information Systems and Managers		3
	Digital Media Elective from list	3		Digital Media Elective from list		3
IDS XXX	Ethics/Pluralism/World Views*	3		Free Elective		3
	Free Elective	3		Free Elective		3
	Free Elective	3		Free Elective		3
	TOTAL	16			TOTAL	15

*QuEST requirement

†Offered alternate years as indicated

§ Concentration choice option: other courses in other semesters may fulfill this same requirement

Mathematics (B.A.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
COMM 105	Fundamentals of Oral Communication*	3	MATH 112	Calculus II with lab	4
MATH 111	Calculus I with lab*	4	MATH 198	Introduction to Mathematical Proof	2
MATH 196	First-Year Math Seminar	3	PHYS 211	General Physics I with lab	4
IDFY 101	First-Year Seminar*	3	Varies	2 nd semester of Language*	3
Varies	1st semester of Language*	3	IDCR 151	Created and Called for Community*	3
	TOTAL	16		TOTAL	. 17
	Sophomore –Fall			Sophomore – Spring	
MATH 211	Calculus III with lab	4	MATH 261	Linear Algebra	3
STAT 291	Probability and Statistics	3	Varies	3rd semester of Language or Cross Cultural*	3
ENGL 1xx	Literature meeting QuEST*	3	Varies	Philosophy or Religion*	3
PHYS 212	General Physics II with lab	4	STAT 292	Inferential Statistics	3
CIS 181	Computer Programming I	3	ECON 120	Macroeconomics	3
	TOTAL	17		TOTAL	. 15
	Junior – Fall	*		Junior – Spring	
MATH 362	Algebraic Structures	3	MATH 308/382	1	3
HIST 1xx	US/European History meeting QuEST*	3	MATH 412	Real Analysis ⁰	3
MATH/STAT 3xx/4xx	Upper Level Math/Stat Elective	3	THEO 205-238	Christian Beliefs*	3
BIBL 201/203/204	Bible*	3	Varies	Art, Music, Dance, Theatre meeting QuEST*	3
	TOTAL	12		TOTAL	. 12
	Senior – Fall			Senior – Spring	···•
MATH/STAT 3xx/4xx	Upper Level Math/Stat Elective	3	MATH 308/382	Differential Equations/Geometry**	3
IDNW 2xx	Non-western Studies*	3	MATH 496	Mathematical Capstone	2
Varies	Free Elective	3	Varies	Ethics/WV/Pluralism*	3
Varies	Free Elective	3	Varies	Free Elective	3
			WELL 1xx	Wellness*	1
	TOTAL	12-13		TOTAL	. 12

^{*}Fulfills QuEST requirement

^{**}Offered spring of odd-numbered years.

^oMay be taken in either the 3rd or 4th year of spring.

Mathematics with Teaching Certification (B.A.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
COMM 105	Fundamentals of Oral Communication*	3	MATH 112	Calculus II with lab	4
MATH 111	Calculus I with lab*	4	MATH 198	Introduction to Mathematical Proof	2
MATH 196	Mathematics Seminar	2	ENGL 122-176	Literature meeting QuEST*	3
CIS 181/191	Comp. Prog. I/Web Dev. 1: Client Side	3	Varies	2 nd semester of Language*	3
IDFY 101	First-Year Seminar*^	3	IDCR 151	Created and Called for Community*	3
Varies	1st semester of Language*	3	WELL 1xx	Wellness*	1
				hree required security clearances (FBI, Child I) by 3/31. Take PAPA exam (formerly Praxis 1).	
	TOTAL	18		TOTAL	16
	Sophomore –Fall			Sophomore – Spring	
MATH 211	Calculus III with lab	4	MATH 261	Linear Algebra	3
STAT 291	Probability and Statistics	3	Varies	3rd semester of Language or Cross Cultural*	3
EDUC 346	Sociocultural Perspectives in Ed (spring)	3	PHYS 211	General Physics I with lab	4
EDSP 207**	Introduction to Special Education	3	STAT 292	Inferential Statistics	3
EDUC 203**	Educational Psychology	3	EDUC 208	Teaching English Language Learners	3
TEP 210**	Sophomore Field Experience	0			
	TOTAL	16	Clearances	completed last year must be less than one year of applying. TOTAL	16
	Junior – Fall			Junior – Spring	
MATH 362	Algebraic Structures	3	MATH 308/382	Differential Equations/Geometry***	3
HIST xxx	US/European History meeting QuEST*	3	MATH 412	Real Analysis	3
PHYS 212	General Physics II with lab	4	MATH 307**	Secondary Math Instruction	2
Varies	Philosophy or Religion*	3	EDUC 331**	Instruct. Design & Assessment	3
BIBL 201/203/204	Bible*	3	EDSP 307**	Inclusion Practices	3
			TEP 310**	Junior Field Experience	
			HDFS 311	Adolescent Development	3
			Submit Pro	fessional Semester application electronically by	1/15.
	TOTAL	16		TOTAL	17
-	Senior – Fall			Senior – Spring	
	<u>Professional Semester</u>		MATH 308/382	Differential Equations/Geometry***	3
TEP 410**	Secondary Pre-student Teaching	0	MATH 496	Mathematical Capstone (take in Junior Spring if Student Teaching in Senior Spring)	2
TEP 435**	Student Teaching	9	IDNW 2xx	Non-western Studies*	2-3
EDUC 420**	Professional Issues in Education	2	THEO 205-238	Christian Beliefs*	3
TEP 407**	Student Teaching Seminar	1	Varies	Art, Music, Theatre or Dance meeting QuEST*	3
				Take Praxis II exam.	
	TOTAL	12		TOTAL	13-14

^{*}Fulfills QuEST requirement

^{**}Courses to be taken concurrently.

^{***}Offered spring of odd-numbered years.

[^]This course, or its transfer equivalent, is required for admission into the Teacher Education Program

Physics with Teaching Certification (B.A.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
COMM 105	Oral Communication*	3	MATH 112	Calculus II	4
CHEM 105	General Chemistry I*	4	ENGL 122-176	Literature meeting QuEST*	3
CIS 181	Computer Programming I	3	PHYS 211	General Physics I	4
MATH 111	Calculus I*	4		-	
FYS 101	Varies	3			
				hree required security clearances (FBI, Child Al nal) by 3/31 to <u>cwickey@messiah.edu</u> or B414.	buse,
	TOTAL	17		TOTAL	. 11
	Sophomore –Fall	,		Sophomore – Spring	,
MATH 211	Calculus III	4	PHYS 251	Modern Physics	4
PHYS 212	General Physics II	4	EDSP 207**	Introduction to Special Education+	3
EDUC 346	Sociocultural Perspectives on Education	3	EDUC 203**	Educational Psychology+	3
PHIL 101 or 102	Gen. Ed. Philosophy*	3	TEP 210**	Sophomore Field Experience+	0
			MATH 270	Advanced Math for the Sciences	3
			ENGR 212	Programming for Engineers	2
			Submit 1	□ Feacher Education Program app by 3/31 to B41	
	TOTAL	14		TOTAL	. 15
	Junior – Fall			Junior – Spring	,
	Probability and Statistics OR	3	PHYS 402 †	Quantum Mechanics	3
	Experimental Methods				
	Electromagnetics	3	PHYS 307	Secondary Mathematics/Physics Instruction	2
	Instructional Design & Assessment	3	ENGR 371	Thermodynamics	3
	Inclusion Practices	3	HDFS 311	Adolescent Development	3
TEP 310**	Junior Field Experience	0	Varies	Electives	6
EDUC 208	Teaching English Language Learners	3			
	Teaching Lab Sciences in Secondary Education	2			
			Submit Prof	essional Semester application electronically by	1/15.
<u>L</u>	TOTAL	. 17		TÓTÁL	··· ·
	Senior – Fall			Senior – Spring	
	<u>Professional Semester</u>				
TEP 410**	Pre-student Teaching	0	PHYS 494	Senior Physics Seminar	2
TEP 435**	Student Teaching	9	CHEM 495	Capstone; Natural Sciences	3
EDUC 420**	Professional Issues in Education	2	PHYS 328 †	Classical Mechanics	3
PHYS 407**	Secondary Physics Curriculum/ Instru.	1	PHYS 317 †	Optics	3
Varies	Elective	3	Varies	Elective	3
	TOTAL	15		TOTAL	. 14

^{*}Fulfills QuEST requirement

^{**}Must be taken concurrently

[^]This course, or its transfer equivalent, is required for admission into the Teacher Education Program

[†] Offered in alternating years

Physics (B.S.) 8 Semester Plan

Course #	Course Name	Credits	Course #	Course Name		Credit s	
	First Year – Fall		First Year – Spring				
IDFY 101*	First year seminar	3	IDCR 151*	Created and Called		3	
Varies*	1st language requirement	3	Varies*	2 nd language requirement		3	
COMM 105*	Foundations of Oral Communication	3	Varies*	1st social science/history		3	
MATH 111	Calculus I	4	MATH 112	Calculus II		4	
CHEM 105	General Chemistry I	4	PHYS 211	General Physics I		4	
	Total	17			Total	17	
	Sophomore – Fall			Sophomore – Spring			
Varies*	3 rd language requirement	3	ENGL 1xx*	Literature meeting QuEST		3	
BIBL 2xx*	Bible	3	PHIL 101*	Problems in Philosophy		3	
MATH 308**	Differential Equations	3	ENGR 212	Programming For Engineers		3	
MATH 211	Calculus III	4	PHYS 251	Modern Physics		4	
PHYS 212	General Physics II	4	MATH 261**	Linear Algebra		3	
	Total	17			Total	16	
	Junior – Fall			Junior – Spring			
Varies*	2 nd social science/history	3	WELL 1xx*	Wellness		1	
Varies*	Christian Beliefs	3	ENGR 242	Experimental Methods		3	
PHYS 421†	Particle Physics	3	PHYS 402†	Quantum Mechanics		3	
ENGR 367	Electromagnetics	3	ENGR 371	Thermodynamics		3	
CHEM393	Research Methods	3	PHYS322***	Independent Research		3	
	Total	15			Total	13	
	Senior – Fall			Senior – Spring			
Varies*	Ethics, World View or Pluralism	3	PHYS 494	Senior Physics Seminar		2	
PHYS 425†	Solid State Physics	3	PHYS 328†	Classical Mechanics		3	
PHYS 422***	Senior Research	3	PHYS 317†	Optics		3	
Varies*	Interdisciplinary	3	CHEM 495	Capstone Natural Sciences		3	
			Varies	Free Elective		3	
	Total	1 12			Total	14	

^{*} Fulfills QuEST requirement

^{**} Requirement can alternatively be met in as single semester by MATH 270

^{***} Recommended, but not required for degree

[†] Offered in alternating years

Physics (B.A.) 8 Semester Plan

Course #	Course Name	Credits	Course #	Course Name		Credits
First Year – Fall		First Year – Spring				
IDFY 101*	First year seminar	3	IDCR 151*	Created and Called		3
Varies*	1st language requirement	3	Varies*	2 nd language requirement		3
COMM 105*	Foundations of Oral Communication	3	Varies*	1st social science/history		3
MATH 111	Calculus I	4	MATH 112	Calculus II		4
CHEM 105	General Chemistry I	4	PHYS 211	General Physics I		4
	Total	17			Total	17
	Sophomore – Fall			Sophomore – Spring		
Varies*	3 rd language requirement	3	ENGL 1xx*	Literature		3
BIBL 2xx*	Bible	3	PHIL 101*	Problems in Philosophy		3
MATH 308**	Differential Equations	3	ENGR 212	Programming For Engineers		3
MATH 211	Calculus III	4	PHYS 251	Modern Physics		4
PHYS 212	General Physics II	4	MATH 261**	Linear Algebra		3
	Total	17			Total	16
	Junior – Fall			Junior – Spring		
Varies*	2 nd social science/history	3	WELL 1xx*	Wellness		1
Varies*	Christian Beliefs	3	ENGR 242	Experimental Methods		3
ENGR 367	Electromagnetics	3	PHYS 402†	Quantum Mechanics		3
CHEM 393	Research Methods	3	ENGR 371	Thermodynamics		3
Varies	Free Elective	3	PHYS322***	Independent Research		3
	Total	15			Total	13
	Senior – Fall			Senior – Spring		
Varies*	Ethics, World View or Pluralism	3	PHYS 494	Senior Physics Seminar		2
PHYS 422***	Senior Research	3	PHYS 328†	Classical Mechanics		3
Varies*	Interdisciplinary	3	PHYS 317†	Optics		3
Varies	Free Elective	3	CHEM 495	Capstone Natural Sciences		3
			Varies	Free Elective		3
	Total	12			Total	14

^{*} Fulfills QuEST requirement

^{**} Requirement can alternatively be met in as single semester by MATH 270

^{***} Recommended, but not required for degree

[†] Offered in alternating years

Math and Physics (B.A.) double-major 8 Semester Plan

Course #	Course name	Credits	Course #	Course name		Credits
	First Year – Fall		First Year - Spring			
CIS 181	Computer Programming I	3	MATH 112	Calculus II		4
ECON 120	Introduction to Macroeconomics	3	MATH 198	Introduction to Mathematical Proof		2
MATH 111	Calculus I	4	PHYS 211	General Physics I		4
MATH 196	Mathematics Seminar	2	IDCR 151	Created and Called for Community*		3
IDFY 151	First Year Seminar*	3	Varies	2 nd semester of Language*		3
Varies	First semester of language*	3				
	TOTAL	18			TOTAL	16
	Sophomore –Fall			Sophomore – Spring		
MATH 211	Calculus II	4	MATH 261	Linear Algebra		3
MATH 308	Differential Equations	3	PHYS 251	Modern Physics		4
STAT 291	Probability and Statistics	3	STAT 292	Inferential Statistics		3
PHYS 212	General Physics II	4	BIBL 20x	Knowledge of the Bible*		3
CHEM 105	General Chemistry I	4	WELL 1xx	Wellness Course*		1
	TOTAL	18			TOTAL	18
	Junior – Fall	10		Junior – Spring	IOIAL	10
MATH 362	Algebraic Structures	3	PHYS 402	Quantum Mechanics		3
RELI/PHIL	Religion/Philosophy*	3	MATH/STAT 3XX	Mathematics Course		3
ENGR 367	Electromagnetics	3	THEO 2xx	Christian Beliefs*		3
HIST xxx	History meeting QuEST*	3	IDNW xx	Non-Western Studies*		2-3
ENGL xxx	Literature meeting QuEST*	3	Varies	Social Science meeting QuEST*		3
COMM 105	Fundamentals of Oral Communication*	3	Variou	Coolar Colorida Modeling &d_Co1		
	TOTAL	18			TOTAL	17-18
	Senior – Fall	10		Senior – Spring	IOIAL	17-10
CHEM 495	Capstone Natural Sciences	3	MATH 412	Real Analysis		3
Varies	Mathematics Course OR Linear Systems	3	MATH 494 or PHYS 494	Senior Math Seminar OR Senior Physics Seminar		2-3
IDS XXX	Ethics/Pluralism/World Views*	3	PHYS 328	Classical Mechanics		3
Varies	Art, Music, Theatre or Dance meeting QuEST*	3	Varies	Free Elective		3
ENGR 371 or CHEM 337	Thermodynamics OR Physical Chemistry I	3	Varies	Free Elective		3
	TOTAL	15			TOTAL	14-15

*QuEST requirement

III. EDUCATION

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8-semester plan Education with Teaching Certification in Grades PreK- 4 (B.S.) Messiah College

First Year ~ Fall				First Year ~ Spring		
IDFY 101†	First Year Seminar*	2	IDCR 151	Created/Called for Community*(W)	3	
Varies	Foreign Language*	3 3	Varies	Foreign Language*	3	
PHSC 102 F,S	Physical Science*	3	BIOL 106	Life Science	3	
COMM 105†	Oral Communication*	3	CIS 171-181† F,J,S	Computer Science*	3	
HIST 141/142		3		World Literature*	3	
ПІЗТ 141/142	U.S. History*	3	ENGL160 † F,S	Child Development (fld ex)	3	
	TOTAL CREDITS	15	HDFS 210 F, J, S	TOTAL CREDITS	3 18	
	TOTAL CREDITS	15	Submit the three re	equired security clearances (FBI, Cl		
				Criminal) by 3/31 to B414.	mu	
	Sophomore ~ Fall			Sophomore ~ Spring		
EDUC 209† F,S	Princ. & Struct of Mathematics	3	BIBL 20x	Encountering the Bible*	3	
Varies	Foreign Language*/Cross Cult	3	EDUC 346 F,S	Sociocultural Perspectives	3	
EDUC 226 F,J	Children's Literature	3	EDUC 205 F,S	Cultural & Political Geography	3	
EDSP 207 ° F,S	Intro to Special Education	3	PHIL/REL	Philosophy/Religion*	3	
TEP 210 ° F,S	Sophomore Field Experience	0	Varies	Disciplinary Focus course	3	
EDUC 208 F,S	Teaching English Language Learners	3				
EDUC 203 °	Educational Psychology	3		TOTAL CREDITS	15	
	TOTAL CREDITS	18	Submit Teacher Education Program app by 3/31 to B414.			
	Junior ~ Fall			Junior ~ Spring		
EDUC 301 ° F	Literacy CC & I - I	3	EDUC 302 ° S	Literacy CC & I - II		
EDUC 303 ° F	Math CC & I - I	3	EDUC 302 ° S EDUC 304 ° S	Math CC & I - II	3	
EDUC 330° F			EDUC 304°S EDUC 342°S	Social Studies CC & I	2	
	Instructional Design I	3			3	
EDSP 307 ° F	Inclusion Practices	3	EDUC 347 ° S	Science CC & I	3	
Varies	Disciplinary Focus course	3	TEP 314 ° S	Field Experience III in 2-4	0	
TEP 312 ° F	Field Experience II PreK–2	0	THEO 20x,21x,22x	Christian Belief*	3	
			WELL 1xx	Wellness course	1	
			Varies	Art/Music/Theatre/Dance*(QuEST Arts)*	3	
	TOTAL CREDITS	15		TOTAL CREDITS	18	
	Senior ~ Fall (or Spring)		Se	enior ~ Spring (or Fall)		
	<u>Professional Semester</u>			Ethics/World Views/Pluralism	3	
				Developmental Programing: Early	3	
EDUC 420° F	Professional Issues in Educ	2		Childhood CC&I		
TEP 434 ° F	Student Teaching: PreK-4	9		Evidence Based ECE Practices	3	
TEP 407 ° F	Student Teaching Seminar	1	EDUC 465 ° S	Early Childhood Internship	0	
				Disciplinary Focus course	3	
	TOTAL CREDITS	12	Varies	Disciplinary Focus course	3	
				TOTAL CREDITS	15	
L			1			

TOTAL: 128 credits

Chapter 354 Requirements Math (6 credits): CIS 171, EDUC 209 English (6 credits): IDFY 101, ENGL 160

F=Fall, J=J-term, S=Spring

W Course Requirement Met by _

† - indicates requirement for admission to the TEP

Study Abroad possibilities: fall or spring semester sophomore year (optional). More details on back of page.

*QuEST requirement

^c Courses to be taken concurrently/3 clearances required

Required Disciplinary Focus for Education with Teaching Certification in PreK–4 All students who major in PreK–4 must complete a 12-credit *Disciplinary Focus* to provide depth in an academic discipline other than Education. The *Disciplinary Focus* requirement can be satisfied through either of the following two options:

Option I – Completion of a Disciplinary Focus is twelve credits within a single academic discipline. These credits may not overlap with QuEST or any other courses completed for the major. A "discipline" is defined as courses from a single academic department or courses from two closely related departments (e.g., Psychology and Sociology, Biology and Chemistry, History and Political Science). Students must obtain advance approval from their advisors and the Department of Education chair for all courses selected to complete the Disciplinary Focus option.

Option II – Completion of an approved college minor. At least twelve credits must be distinct (i.e., may not overlap with QuEST or any other courses completed for the major). The Socio-Cultural Perspectives on Education** Minor **may** be completed to satisfy the disciplinary focus requirement.

Disciplinary Focus Record

(select one option/column)

Disciplinary Focus	Minor
1.	1.
2.	2.
3.	3.
4.	4.
	5.
	6.

Study abroad options:

A semester abroad requires careful planning with your advisor, starting in your first year at Messiah. Study abroad should occur during Fall or Spring of your sophomore year. The following courses may be fulfilled with study abroad courses:

- COMM 105*
- XXX Foreign Language*
- PHIL/RELI XXX*
- HIST 141/142 (U.S. History*)
- BIOL 106Life Science
- PHSC 102 Physical Science*
- CIS 171, 181*
- EDUC 205 Social and Political Geography
- HDFS 210 (Child Development)

Special Education N-12th with Teaching Certification, Pre-K-12th (B.S.)

First Year ~ Fall			l I	First Year ~ Spring	
IDFY 101†	First Year Seminar	3	IDCR 151	Created/Called for Comm	3
XXXX	1 st Foreign Language	3	XXXX	2 nd Foreign Language	3
COMM 105†	Oral Communication	3	CIS 171-181† F,J,S	Comp Science	3
HIST 141/142	U.S. History	3	HDFS 210 F, J,S,	Child Development (fld exp)	3
WELL 101 F,S	Wellness	1	2 nd Lab Sci	NUTR 112 or PHSC 102	3
BIOL 106	Life Sciences	3	EDUC 209†F,S	Princ. & Struct of Maths	3
	TOTAL CREDITS	16		TOTAL CREDITS	18
			Submit security clear by 3/31 to B414.	ances (FBI, Child Abuse, Crimin	al)
	Sophomore ~ Fall			ophomore ~ Spring	
XXXX xxx	3 rd For Language/Cross Cult	3	BIBL 20x	Encountering the Bible	3
EDSP 207*F,S	Intro to Special Education	3	EDUC 346 F,S	Sociocultural Perspectives	3
TEP 210*	Sophomore Field Experience	0	Literature	ENGL 160 or EDUC 226	3
EDUC 203*	Educational Psychology	3	HDFS 311	Adolescent Development	3
HDFS/EDSP 396 F,S	Infants, Toddlers, Families	3	ART xxx	Art	3
Literature	ENGL 160 or ENGL 360	3	XXX	Disciplinary Focus	3
XXX	Disciplinary Focus	3			
				TOTAL CREDITS	18
	TOTAL CREDITS	18			
Optional: Study Abro	oad Semester		Submit Teacher Educ	cation Program app by 3/31 to B4	114.
	Junior ~ Fall			Junior ~ Spring	
EDUC 301* F	Literacy CC & I - I	3	EDUC 208, F, J	ELL Instruction and Assess	3
EDUC 303* F	Math CC & I - I	3	EDUC 302* S	Literacy CC & I - II	3
Inst Design* F	EDUC 330A or EDUC 331	3	EDUC 304* S	Math CC & I - II	2
EDSP 397* F	High Incidence Inst. Strategies	3	EDSP 398	Low Incidence Inst Strategies	3
XXX	Disciplinary Focus	3	TEP 314* S	Field Experience in 2-4	0
TEP 312 * F	Field Exp. PreK-Grade 2	0	XXX	Disciplinary Focus	3
			XXX	Disciplinary Focus	3
	TOTAL CREDITS	15			
				TOTAL CREDITS	17
Submit Professional S	Semester application by 11/1 to B4	14.		~ . ~ .	
	Senior ~ Fall		EXTENS 20 21 22	Senior ~ Spring	
	<u>Professional Semester</u>		THEO 20x, 21x, 22x	Christian Beliefs	3
EDIIG 400 ± E	D (' 11 ' 7'	2	TEP 420*S	Special Ed Internship	0
EDUC 420* F	Professional Issues in Ed	2	EDSP 399*S	Positive Behavior	3
TEP 432* F	Student Teaching Spec Ed	9	EDSP 409	Psychological Testing	3
TEP 407* F	Student Teaching Seminar	1	EDME 537	Sec Spec Ed and Transition	3
	TOTAL OPERIOR	10	PHIL/REL	Philosophy/Religion	3
	TOTAL CREDITS	12		TOTAL CREDITS	15

TOTAL: 129 credits

*Courses to be taken concurrently/3 clearances required Chapter 354 Requirements

Math (6 credits): CIS 171, MATH/EDUC 209

English (9 credits): IDFY 101, ENGL 160, choice of either

Young Adult Literature or Children's Literature

NOTE, you must take ENGL 160 (also fulfills NW)

† - indicates requirement for admission to the TEP

Study Abroad possibility: fall semester soph yr

Study abroad options:

A semester abroad requires careful planning with your advisor, starting in your first year at Messiah. The following courses may be fulfilled with study abroad courses:

COMM 105

- XXX Foreign language
- PHIL/REL XXX
- HIST 141/142 (U.S. History)
- Life Science (BIO 106)
- Physical Science (PHSC 102)
- CIS 171, 181

Special Education Majors are strongly encouraged to pursue of one of the following minors or endorsement programs:

Minor	Recommended if you are interested in:
TESOL (Minor-18	Adding certification to teach English language learners. This is a high
credits, Certificate-15	need area in teaching whether you teach special education serving
credits)	students who are ELs or you teach ELs who are at risk of being
	identified with a disability.
Speech and Language	Specializing in autism or serious communication disorders, if you want
Pathology (20	to teach in a communication intensive classroom or a multiple
credits)	disabilities classroom, or if you are interested in pursuing a masters
	degree later in Speech and Language Pathology.
Disability and Family	Specializing in family support, community outreach, or disability-
Wellness (18 credits)	related community supports. Requires careful planning as only 2
	courses can overlap between those already required for your major.
HDFS (18 credits)	Specializing in functional curriculum for learners with more severe or
	profound disabilities, such as life skills or multiple disabilities
	classrooms. Specializing in development and the family.
English (18 credits)	Language arts interventions at middle or high school settings. Please
	plan to take English Composition as one elective in that minor.
Math (20-21 credits)	Math interventions at high school. This minor does NOT teach you the
	mathematics you would support in middle or secondary special
	education, though it does prepare you to think mathematically, and
	pursue positions that expect math intervention expertise.

Education with Dual Teaching Certification (PreK-4 and Special Education N-12) (B.S.)

8-semester plan Messiah College

This chart represents a suggested sequence of courses

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall				First Year - Spring	
IDFY 101†	First Year Seminar**	3	IDCR 151	Created and Called for Community*(W)	3
VARIES .	1st Language*	3	VARIES	2 nd Language*	3
PHSC 102 F,S	Physical Science*	3	BIOL 106	Life Science	3
COMM 105†	Oral Communication*	3	CIS 171-181† F,J,S	Computer Science*	3
HIST 141/142	U.S. History*	3	ENGL160 † F,S	World Literature*	3
	•		HDFS 210 F,J,S	Child Development (field experience)	3
	TOTAL	15		TOTAL	18
	·		Submit the three	required security clearances (FBI, Child A Criminal) by 3/31 to B414.	Abuse,
	Sophomore –Fall			Sophomore – Spring	
EDUC 209 F,S	Principals & Structures of Math	3	BIBL 20X	Encountering the Bible*	3
HDFS 396 F,S	Infants, Toddlers, Families	3	EDUC 226 F,J,S	Children's Literature	3
Varies	Foreign Language*/Cross Cultural	3	EDUC 205 F,S	Cultural & Political Geo	3
EDSP 207°F,S	Introduction to Special Education	3	PHIL/REL	Philosophy/Religion*	3
TEP 210° F,S	Sophomore Field Experience	0	HDFS 311	Adolescent Development	3
EDUC 346 F,S	Sociocultural Perspectives	3	EDUC 208	Teaching English Language Learners	3
EDUC 203°	Educational Psychology	3		<u> </u>	
	TOTAL	18		TOTAL	18
Or	otional: Study Abroad Semester	i	Submit Teach	er Education Program app by 3/31 to B	L
- r	Junior – Fall			Junior – Spring	
EDUC 301° F	Literacy CC & I - I	3	EDUC 302° S	Literacy CC & I - II	3
EDUC 303° F	Math CC & I - I	3	EDUC 304° S	Math CC & I - II	2
EDUC 330° F	Instruct. Design I	3	EDUC 342° S	Social Studies CC & I	3
EDOC 330° F	IIIstruct. Design i	J	EDUC 347° S	Science CC & I	3
TEP 312° F	Field Experience II in PreK-2	0	EDSP 397	High Incidence Instructional Strategies	3
IDET/WV/PL	Ethics/World Views/Pluralism	3	TEP 314° S		0
Varies	Art/Music/Theatre/Dance* meeting	3	WELL 1xx	Field Experience III in gr 2-4 Wellness*	1
Variou	QuEST		WEEE 1700	***************************************	•
			THEO 20x, 21x, 22x	Christian Beliefs*	3
	TOTAL	18	11120 200, 210, 220		
Submit Profess	ional Semester application by 11/1 to			TOTAL	18
	Senior – Fall			Senior – Spring	
	Professional Semester		EDSP 409 °	Psychological Testing	3
EDUC 420° F	Professional Issues in Ed	2	EDUC 414° S	Developmental Programming: Early Childhood CC&I	3
TEP 432° F	Student Teaching: Special Education	9	EDUC 415° S	Evidence Based ECE Practices	3
TEP 407° F	Student Teaching Seminar	1	TEP 420° S	Special Education Internship	0
	9		EDSP 398° F,S	Low Incidence Inst Strategies	3
_			EDSP 399° F,S	Positive Behavior Support	3
Dual major	rs must student teach in the fall		EDME 537	Transition and Secondary Special Ed	3
	TOTAL	12	1	TOTAL	18
	TOTAL : 129 credits	12		*QuEST requirement	10

TOTAL: 129 credits

Chapter 354 Requirements Math (6 credits): CIS 171, EDUC 209 English (6 credits): IDFY 101, ENGL 160 ^cCourses to be taken concurrently/3 clearances required † - indicates requirement for admission to the TEP Study Abroad possibility: fall semester soph yr

A semester abroad requires careful planning with your advisor, starting in your first year at Messiah. The following courses may be fulfilled with study abroad courses:

COMM 105 BIOL 106 Life Science HDFS 310 Child Development

Foreign Language* PHYS 102 Physical Science* PHIL/REL XXX CIS 171, 181

HIST 141/142 (U.S. History*) EDUC 205 Social & Political Geo

Education with Teaching Certification in Grades 4-8 (B.S.) General **Messiah College**

8-semester plan

C1 = Math core C2 = English core C3 = Social Studies core C4 = Science core					
	First Year ~ Fall	Social Studies C	First Year ~ Spring		
IDFY 101†	First Year Seminar* (C2)	3	IDCR 151	Created/Called for Community* (W)	3
Varies	Foreign Language*	3	Varies	Foreign Language*	3
BIOL 106 F,S	Life Science (C4)	3	HIST 141/142	U.S. History* (C3)	3
COMM 105†	Oral Communication*	3	CIS 171-181†F,J,S	Computer Science* (C1)	3
MATH 111	Calculus I (C1)	4	ENGL 160† F,S	World Literature*	3
INICATITITITI	Calculus I (C I)	7	ESS 201	Earth and Space (C4)	3
	TOTAL CREDITS	16	L33 201	TOTAL CREDITS	18
	TOTAL GREDITO	10	Submit the three rea	uired security clearances (FBI, Child Abu	-
			Criminal) by 3/31 to E		,
	Sophomore ~ Fall		, -	Sophomore ~ Spring	
EDUC 346 F,S	Sociocultural Perspectives	3	EDSP 207° F,S	Intro to Special Education	3
XXXX	Foreign Language*	3	EDUC 203° F,S	Educational Psychology	3
EDUC 209 F,S	Princ & Struct of Math (C1)	3	TEP 210° F,S	Sophomore Field Experience	0
PHSC 102 F,S	Physical Science* (C4)	3	EDUC 346 J	Soc-Cult. Perspect. on Educ (C3)	3
WELL 1xx	Wellness*	1	BIBL 20x	Encountering the Bible*	3
EDUC 208	Teaching English Language Learners	3	EDUC 205 F,S	Cultural & Political Geog (C3)	3
			EDUC 226 F,J	Children's Literature (C2)	3
	TOTAL CREDITS	16		TOTAL CREDITS	18
			Submit Teacher Edu	cation Program app by 3/31 to B414.	
	Junior ~ Fall			Junior ~ Spring	
EDUC 331° F	Inst. Design & Assess Mid & Sec.	3	EDUC 302° S	Literacy CC& I – II (C2)	3
EDSP 307° F	Inclusion Practices	3	EDUC 304° S	Math CC & I – II (C1)	3
THEO xxx	Christian Beliefs	3	Varies	Art/Music/Theatre/Dance meeting	3
THEO XXX	Chilistian Deliets	3	Valles	QuEST Arts*	
EDUC 305° F	Middle Level Methods	3	EDUC 342° S	Social Studies CC & I (C3)	3
TEP 316° F	Field Experience II in gr. 6-8	0	TEP 318° S	Field Experience III in gr. 4-5	0
HDFS 311 F,S	Adolescent Development	3	EDUC 347° S	Science CC & I (C4)	3
Varies	Concentration	2	Varies	Concentration	3
	TOTAL CREDITS	17		TOTAL CREDITS	18
Submit profession	onal Semester application by 11/1 to B414	4.			
	Senior ~ Fall			Senior ~ Spring	
	<u>Professional Semester</u>		Varies	Concentration	3
EDUC 420° F,S	Professional Issues in Educ	2	Varies	Concentration	3
TEP 433° F,S	Student Teaching: Gr 4-8	9	Varies	Concentration	3
TEP 407 ° F,S	Student Teaching Seminar	1	Varies	Concentration	3
	-		Varies	Concentration	3
			Varies	Concentration	3
	TOTAL CREDITS	12		TOTAL CREDITS	18

This guide is meant to give Advisors direction when students are unsure which concentration(s) they would like to pursue.

It is in each student's best interest to switch to the appropriate specific Middle Level Guide ASAP in their college career.

F=Fall, J=J-term, S=Spring; compiled 4/13/10

^cCourses to be taken concurrently/3 clearances required

† indicates requirement for admission to the TEP

This chart represents a <u>suggested</u> sequence of courses.

Chapter 354 Requirements:

Math (6 credits): MATH/ED 111, CIS 171

English (6 credits): IDFY 101, ENGL 160 (W)

*Course meets QuEST requirements

Study Abroad possibilities: fall/spring-sophomore year, semester without student teaching-senior year. A semester abroad requires careful planning with your advisor, starting in your first year at Messiah. This list varies depending on your certification concentration. The following courses may be fulfilled with study abroad courses, depending on the area of concentration.

• COMM 105

• CIS 171

• Math 101

• Foreign Language xxx

• BIOL 106 (Life Science)

• PHSC 102 (Physical Science)

• ENGL xxx

• EDUC 226 (Children's Literature)

• PHIL/REL xxx

• ARTS xxx

Education with Teaching Certification in Grades 4–8 (B.S.) English Concentration Messiah College

8-semester plan

	C1 = Math core C2 = E	inglish cor	e C3 = Social St	udies core C4 = Science core	
Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall		oodioo ii	First Year - Spring	Orounto	
IDFY 101†	First Year Seminar (C2)*	3	IDCR 151	Created and Called for Community*(W)	3
Varies	1st Language*	3	Varies	2 nd Language*	3
BIOL 106 F,S	Life Science (C4)	3	PHSC 102 F,S	Physical Science* (C4)	3
COMM 105†	Oral Communication*	3	CIS 171-181†F,J,S	Computer Science* (C1)	3
MATH 101/102/ 108/111†	Math (C1)	3-4	ENGL 160† F,S	World Literature*	3
			WELL 1xx	Wellness*	1
	TOTAL	15-16		TOTAL	. 16
	· ·		Submit the three	required security clearances (FBI, Child Criminal) by 3/31 to B414.	Abuse,
	Sophomore –Fall			Sophomore – Spring	
EDUC 346 F,S	Sociocultural Perspectives	3	EDSP 207° F,S	Intro to Special Education	3
Varies	3 rd Language*	3	EDUC 203° F,S	Educational Psychology	3
EDUC 209 F,S	Principals & Structures of Math(C1)	3	TEP 210° F,S	Sophomore Field Experience	0
EDUC 208	Teaching English Language Learners	3	ESS 201	Earth and Space (C4)	3
HIST 141/142	U.S. History* (C3)	3	BIBL 20X	Encountering the Bible*	3
ENGL 310-360	Literature Elective	3	ENGL 203 F, J, ENGL 305 or 370F#	Writing/Critical Theory	3
			EDUC 205 F,S	Cultural & Political Geography	3
	TOTAL	18		TOTAL	
			Submit Teach	ner Education Program app by 3/31 to B4	14.
	Junior – Fall			Junior – Spring	
EDUC 331° F	Inst. Design & Assess Mid & Sec.	3	EDUC 302° S	Literacy CC& I – II (C2)	3
EDSP 307° F	Inclusion Practices	3	EDUC 304° S	Math CC & I – II (C1)	3
ENGL 201, 202 (F, S)	Introduction to English Studies I or II	3	EDUC 342° S	Social Studies CC & I (C3)	3
EDUC 305° F	Middle Level Methods	3	EDUC 226 F,J	Children's Literature (C2)	3
TEP 316° F	Field Experience II in gr. 6-8	0	TEP 318° S	Field Experience III in gr. 4-5	0
HDFS 311 F,S	Adolescent Development	3	EDUC 347° S	Science CC I (C4)	3
ENGL 307	Teaching English in Secondary Schools	3			
	TOTAL	.i		TOTAL	. 15
Submit Prof	essional Semester application by 11/1 to	B414.			
	Senior – Fall			Senior – Spring	
	Professional Semester		EDUC 346 J	Socio-Cult. Perspective on Educ (C3)	3
EDUC 420° F,S		2	THEO XXX	Christian Beliefs*	3
TEP 433° F,S	Student Teaching: Gr 4-8	9	Varies	Art/Music/Theatre meeting QuEST Arts*	3
TEP 407º F,S	Student Teaching Seminar	1	PHIL/REL	Philosophy/Religion	3
			ENGL 203 F, J /305/370F#	Writing/Critical Theory	3
	TOTAL	12		TOTAL	. 15

*QuEST requirement

F=Fall, J=J-term, S=Spring; compiled 3/8/11

Courses to be taken concurrently/3 clearances required

ENGL 203 F, J/305/370F – 2 of the 3 courses required

† Indicates a requirement for admission to the TEP.

Chapter 354 Requirements:

Math (6 credits): EDUC 209, CIS 171

English (6 credits): IDFY 101, ENGL 160 (W)

Study Abroad possibilities: fall-sophomore year, spring-sophomore year, semester without student teaching-senior year. A semester abroad requires careful planning with your advisor, starting in your first year at Messiah. The following courses may be fulfilled with study abroad courses:

- COMM 105
- CIS 171
- Math 101
- Foreign Language* XXX

- BIOL 106 Life Science
- PHSC 102 Physical Science*
- ENGL XXX
- EDUC 226 Children's Literature
- PHIL/REL XXX
- HIST 141/142 U.S. History*
- ARTS XXX

Education with Teaching Certification in Grades 4-8 (B.S.) Math and English Concentration

Messiah College 8-semester plan

C2 = English core C3 = Social Studies core C1 = Math core C4 = Science core Course # Course name Credits Course # Course name Credits First Year - Fall First Year - Spring **IDFY 101†** 3 IDCR 151 3 First Year Seminar (C2)* Created and Called for Community*(W) Varies 1st Language* 3 Varies 2nd Language* 3 Physical Science* (C4) BIOL 106 F,S Life Science (C4) 3 PHSC 102 F,S 3 Oral Communication** 3 Computer Science* (C1) 3 COMM 105† CIS 171-181†F,J,S 3 MATH 111† Calculus I (C1) 4 **ENGL 160† F.S** World Literature* WELL 1xx Wellness* 1 **TOTAL TOTAL** 16 16 Submit the three required security clearances (FBI, Child Abuse, Criminal) by 3/31 to B414. Sophomore –Fall Sophomore - Spring EDUC 346 F.S | Sociocultural Perspectives 3 EDSP 207° F,S Intro to Special Education 3 EDUC 203° F.S Educational Psychology 3 Varies 3rd Language* 3 Principals & Structures of Math(C1) 3 TEP 210° F.S Sophomore Field Experience 0 EDUC 209 F.S MATH elective | See list below ## ESS 201 3-4 Earth and Space (C4) 3 Encountering the Bible** HIST 141/142 U.S. History* (C3) 3 BIBL 20X 3 Literature Elective **EDUC 208** Teaching English Language Learners 3 ENGL 3XX 3 310/320/330/340/350/360 EDUC 205 F,S 3 Cultural & Political Geography (C3) TOTAL 18-19 18 **TOTAL** Submit Teacher Education Program app by 3/31 to B414. Junior - Fall Junior - Spring EDUC 331° F Inst. Design & Assess Mid & Sec. 3 EDUC 302° S Literacy CC& I – II (C2) 3 EDUC 304° S EDSP 307° F Inclusion Practices 3 Math CC & I – II (C1) 3 EDUC 305° F EDUC 342° S 3 Middle Level Methods 3 Social Studies CC & I (C3) TEP 316° F Field Experience II in gr. 6-8 0 EDUC 226 F,J Children's Literature (C2) 3 0 HDFS 311 F.S Adolescent Development 3 TEP 318° S Field Experience III in ar. 4-5 ENGL 307 Teaching English in Secondary Schools 3 EDUC 347° S Science CC I (C4) 3 2 MATH 307c Secondary Mathematics Instruction TOTAL 15 **TOTAL** 17 Submit Professional Semester application by 11/1 to B414. Senior - Fall Senior - Spring **EDUC 346 J** Socio-Cult. Perspective on Educ (C3) 3 Professional Semester EDUC 420° Professional Issues in Education 2 THEO XXX Christian Beliefs* 3 F,S 3 TEP 433° F,S Student Teaching: Grades 4-8 9 Varies Art/Music/Theatre meeting QuEST Arts* TEP 407° F,S Student Teaching Seminar 1 PHIL/REL Philosophy/Religion 3 STAT 269 Introduction to Statistics 3 **TOTAL** 12 **TOTAL** 15

*QuEST requirement

c Courses to be taken concurrently/3 clearances required

(w) Writing enriched course

† Indicates a requirement for admission to the TEP.

Math electives include: CIS 181 Computer Programming I

PHSC 102 Physical Science*

MATH 112 Calculus II (4)

F=Fall, J=J-term, S=Spring Chapter 354 Requirements:

Math (6 credits): EDUC 209, CIS 171

English (6 credits): IDFY 101, ENGL 160 (W)

QuEST Arts requirement

STAT 291 Statistics for Math I (3) PHYS 211 General Physics I (4) PHYS 201 Introductory Physics I (4) PHYS 212 General Physics II (4) PHYS 202 Introductory Physics II (4)

Study Abroad possibilities: fall-sophomore year, spring-sophomore year, semester without student teaching-senior year. A semester abroad requires careful planning with your advisor, starting in your first year at Messiah. The following courses may be fulfilled with study abroad courses:

- COMM 105 • CIS 171, 181 Computer Science*
- PHIL/REL XXX • BIOL 106 Life Science
 - Foreign Language* XXX

III. Department of Education - 2020

Education with Teaching Certification in Grades 4–8 (B.S.) Math and Social Studies Concentration

Messiah College 8-semester plan

C2 = English core C3 = Social Studies core C1 = Math core C4 = Science core Course # Course name Credits Course # Course name Credits First Year - Fall First Year - Spring **IDFY 101†** 3 IDCR 151 Created and Called for Community*(W) First Year Seminar* (C2)* Varies 1st Language* 3 Varies 2nd Language* 3 BIOL 106 F,S Life Science (C4) 3 PHSC 102 F,S Physical Science* (C4) 3 Oral Communication** 3 Computer Science* (C1) 3 COMM 105† CIS 171-181†F,J,S 3 Literature Elective MATH 111† Calculus I (C1) 4 ENGL 122-176† WELL 1xx Wellness* 1 **TOTAL** TOTAL 16 16 Submit the three required security clearances (FBI, Child Abuse, Criminal) by 3/31 to B414. Sophomore –Fall Sophomore - Spring EDUC 346 F,S Sociocultural Perspectives 3 EDSP 207° F,S Intro to Special Education 3 EDUC 203° F.S Educational Psychology 3 Varies 3rd Language* 3 0 Principals & Structures of Math(C1) Sophomore Field Experience **EDUC 209 F,S** TEP 210° F,S U.S. History* (C3) Earth and Space (C4) HIST 141/142 3 ESS 201 3 HIST 3XX or HIST 171 or History (Non-western QuEST) 3 BIBL 20X Encountering the Bible** 3 HIST 172 EDUC 208 Teaching English Language Learners 3 **HIST 141** U.S. History* 3 EDUC 205 F,S Cultural & Political Geography (C3) 3 TOTAL 18 18 TOTAL Submit Teacher Education Program app by 3/31 to B414. Junior - Fall Junior - Spring 3 EDUC 331° F Inst. Design & Assess Mid & Sec. 3 EDUC 302° S Literacy CC& I – II (C2) EDSP 307° F Inclusion Practices 3 EDUC 304° S Math CC & I – II (C1) 3 Social Studies CC & I (C3) 3 EDUC 305° F Middle Level Methods 3 EDUC 342° S 2 0 TEP 316° F Field Experience II in Grades 6-8 MATH 307c Secondary Mathematics Instruction Adolescent Development 3 Field Experience III in Grades 4-5 0 HDFS 311 F,S TEP 318° S 3 EDUC 347° S 3 Historical Methods Science CC I (C4) HIST 258 STAT 269 Introduction to Statistics 3 TOTAL 15 TOTAL 17 Submit Professional Semester application by 11/1 to B414. Senior - Fall Senior - Spring Professional Semester EDUC 346 J Socio-Cult. Perspective on Educ (C3) 3 2 Christian Beliefs* 3 EDUC 420° F.S Professional Issues in Education THEO xxx TEP 433° F,S Student Teaching: Grades 4-8 9 Varies Art/Music/Theatre meeting QuEST Arts* 3 TEP 407° F,S Student Teaching Seminar 1 MATH elective See list below## 3-4 EDUC 226 F,J Children's Literature (C2) 3 TOTAL 12 **TOTAL** 15

F=Fall, J=J-term, S=Spring; compiled 3/8/11

† Indicates a requirement for admission to the TEP.

Chapter 354 Requirements:

Math (6 credits): EDUC 209, CIS 171 English (6 credits): IDFY 101, ENGL 160 (W)

*QuEST requirement

Math electives include: CIS 181, MATH 112, STAT 291, PHYS 201, PHYS 202, PHYS 211, PHYS 212 General Physics II (4)

Study Abroad possibilities: fall-sophomore year, spring-sophomore year, semester without student teaching-senior year. A semester abroad requires careful planning with your advisor, starting in your first year at Messiah. The following courses may be fulfilled with study abroad courses:

- COMM 105 Oral Communication*
- BIOL 106 Life Science
- PHSC 102 Physical Science*
- CIS 171, 181 Computer Science*

- PHIL/REL XXX
- Foreign Language* XXX
- ARTS XXX

^c Courses to be taken concurrently/3 clearances required (w) Writing enriched course

Education with Teaching Certification in Grades 4-8 (B.S.) Math Concentration Messiah College 8-semester plan

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall				First Year - Spring	
IDFY 101†	First Year Seminar* (C2)*	3	IDCR 151	Created and Called for Community*(W)	3
Varies	1st Language*	3	Varies	2 nd Language*	3
BIOL 106 F,S	Life Science (C4)	3	MATH 112#	Calculus II	4
COMM 105†	Oral Communication**	3	CIS 171-181†F,J,S	Computer Science* (C1)	3
MATH 111†	Calculus I (C1)	4	ENGL 160† F,S	World Literature*	3
			WELL 1xx	Wellness*	1
	TOTAL	16		TOTAL	17
			Submit the three	required security clearances (FBI, Child A	buse,
				Criminal) by 3/31 to B414.	
	Sophomore –Fall			Sophomore – Spring	
EDUC 346 F,S	Sociocultural Perspectives	3	EDSP 207° F,S	Intro to Special Education	3
Varies	3 rd Language*	3	EDUC 203c F,S	Educational Psychology	3
EDUC 209 F,S	Principals & Structures of Math(C1)	3	TEP 210° F,S	Sophomore Field Experience	0
PHSC 102 F,S	Physical Science* (C4)	3	ESS 201	Earth and Space (C4)	3
HIST 141/142	U.S History (C3)*	3	BIBL 20X	Encountering the Bible*	3
EDUC 205 F,S	Cultural & Political Geography (C3)	3	EDUC 208	Teaching English Language Learners	3
	TOTAL	18		TOTAL	15
			Submit Teacl	her Education Program app by 3/31 to B4 ^a	4.
	Junior – Fall			Junior – Spring	
EDUC 331° F	Inst. Design & Assess Mid & Sec.	3	EDUC 302° S	Literacy CC& I – II (C2)	3
EDSP 307° F	Inclusion Practices	3	EDUC 304° S	Math CC & I – II (C1)	3
EDUC 305° F	Middle Level Methods	3	EDUC 342° S	Social Studies CC & I (C3)	3
TEP 316° F	Field Experience II in Grades 6-8	0	EDUC 226 F,J	Children's Literature (C2)	3
HDFS 311 F,S	Adolescent Development	3	TEP 318° S	Field Experience III in Grades 4-5	0
MATH/PHYS#	Math Elective 1 (see chart)	4	EDUC 347° S	Science CC I (C4)	3
			MATH 307#	Secondary Mathematics Instruction	2
	TOTAL	16		TOTAL	17
Submit Prof	essional Semester application by 11/1 to	B414.			
	Senior – Fall			Senior – Spring	
	<u>Professional Semester</u>		EDUC 346 J	Socio-Cult. Perspective on Educ (C3)	3
EDUC 420° F,S		2	THEO XXX	Christian Beliefs*	3
TEP 433° F,S	Student Teaching: Grades 4-8	9	Varies	Art/Music/Theatre meeting QuEST Arts*	3
TEP 407° F,S	Student Teaching Seminar	1	STAT 269/291#	Statistics	3
			PHYS XXX#	Math Elective 2 (see chart)	4

*QuEST requirement

12

Math Concentration (21 Credits Minimum)

11 Mati 2011001111 ation (21 010)	aito iviii i	
MATH 111	4	
MATH 112	4	
MATH 307	2	
STAT 269/291	3	
Elective #1	4	
Elective #2	4	

Elective #1: PHYS 201, PHYS 211, MATH 211

Elective #2: PHYS 201, PHYS 202, PHYS 211, PHYS 212

F=Fall, J=J-term, S=Spring; compiled 3/8/11

^c Courses to be taken concurrently/3 clearances required (w) Writing enriched course

† Indicates a requirement for admission to the TEP.

Chapter 354 Requirements:

Math (6 credits): EDUC 209, CIS 171

English (6 credits): IDFY 101, ENGL 160 (W)

Study Abroad possibilities: fall-sophomore year, spring-sophomore year, semester without student teaching-senior year. A semester abroad requires careful planning with your advisor, starting in your first year at Messiah. The following courses may be fulfilled with study abroad courses:

• COMM 105 Oral Communication*

• CIS 171

Language course

BIOL 106 Life Science

TOTAL

• PHSC 102 Physical Science*

• EDUC 226 Children's Literature

• HIST 141 US History

ARTS XXX

TOTAL

16

Education with Teaching Certification in Grades 4–8 (B.S.) Science and English Concentration

Messiah College 8-semester plan

		nglish cor	e 8-semester pl e		
Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall				First Year - Spring	·L
IDFY 101†	First Year Seminar (C2)*	3	IDCR 151	Created and Called for Community* (W)	3
Varies	1st Language*	3	Varies	2 nd Language*	3
BIOL 106 F,S	Life Science (C4)	3	PHSC 102 F,S	Physical Science* (C4)	3
COMM 105†	Oral Communication*	3	CIS 171-181†F,J,S	Computer Science* (C1)	3
MATH 101/102/ 108/111†	Math (C1)	3-4	ENGL 160† F,S	World Literature*	3
	TOTAL	15-16		TOTAL	15
			Submit the three	required security clearances (FBI, Child A Criminal) by 3/31 to B414.	
	Sophomore –Fall	,		Sophomore – Spring	
Varies	3 rd Language*	3	EDSP 207c F,S	Intro to Special Education	3
EDUC 209 F,S	Principals & Structures of Math(C1)	3	EDUC 203° F,S	Educational Psychology	3
See below	Plant/Environmental Science elective	3	TEP 210° F,S	Sophomore Field Experience	0
ENGL 310-360	Literature Elective	3	ESS 201	Earth and Space (C4)	3
BIOL 117 or PHYS 201	Field Biology OR Introductory Physics I	3-4	BIBL 20x	Encountering the Bible*	3
			EDUC 208	Teaching English Language Learners	3
			EDUC 205 F,S	Cultural & Political Geography (C3)	3
	TOTAL	15-16		TOTAL	18
			Submit Teacl	her Education Program app by 3/31 to B4′	14.
	Junior – Fall			Junior – Spring	
EDUC 331° F	Inst. Design & Assess Mid & Sec.	3	EDUC 302° S	Literacy CC& I – II (C2)	3
EDSP 307° F	Inclusion Practices	3	EDUC 304¢ S	Math CC & I – II (C1)	3
CHEM 102/103/105	Chemistry	3	EDUC 342° S	Social Studies CC & I (C3)	3
EDUC 305° F	Middle Level Methods	3	EDUC 226 F,J	Children's Literature (C2)	3
TEP 316° F	Field Experience II in gr. 6-8	0	TEP 318° S	Field Experience III in gr. 4-5	0
HDFS 311 F,S	Adolescent Development	3	EDUC 347° S	Science CC I (C4)	3
ENGL 307	Teaching English in Secondary Schools	3	EDUC 346	Sociocultural Perspectives	3
	TOTAL	18		TOTAL	18
Submit Prof	essional Semester application by 11/1 to	B414.			
	Senior – Fall			Senior – Spring	
	Professional Semester		EDUC 346 J	Socio-Cult. Perspective on Educ (C3)	3
EDUC 420° F,S	Professional Issues in Education	2	THEO XXX	Christian Beliefs*	3
TEP 433° F,S	Student Teaching: Grades 4-8	9	Varies	Art/Music/Theatre meeting QuEST Arts*	3
TEP 407° F,S	Student Teaching Seminar	1	PHIL/REL	Philosophy/Religion	3
			HIST 141/142	U.S. History* (C3)	3
	TOTAL	40		TOTAL	4-

*QuEST requirement

TOTAL

F=Fall, J=J-term, S=Spring; compiled 3/8/11

^c Courses to be taken concurrently/3 clearances required

(w) Writing enriched course

† Indicates a requirement for admission to the TEP.

##Environmental/Plant Science electives:

BIOL 140 Ecology and Sustainability (3)

BIOL 162 Plant Form and Function (3)

Chapter 354 Requirements:

Math (6 credits): EDUC 209, CIS 171

English (6 credits): IDFY 101, ENGL 160 (W)

BIOL 216 Environmental Issues and Sustainable Solutions (3) BIOL 315 Environmental Ethics (3)

Study Abroad possibilities: fall-sophomore year, spring-sophomore year, semester without student teaching-senior year. A semester abroad requires careful planning with your advisor, starting in your first year at Messiah. The following courses may be fulfilled with study abroad courses: COMM 105, BIOL 106 Life Science, PHSC 102 Physical Science*, CIS 171, 181 Computer Science*, PHIL/REL course, Foreign Language* course, Arts course meeting QuEST

Education with Teaching Certification in Grades 4–8 (B.S.) Science and Math Messiah College 8-semester plan

		nglish co		cial Studies core C4 = Science core	• "
Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall	7		First Year - Spring	
IDFY 101†	First Year Seminar (C2)*	3	IDCR 151	Created and Called for Community*(W)	3
Varies	1st Language*	3	Varies	2 nd Language*	3
BIOL 106 F,S	Life Science (C4)	3	PHSC 102 F,S	Physical Science* (C4)	3
COMM 105†	Oral Communication*	3	CIS 171-181†F,	J,S Computer Science* (C1)	3
MATH 111†	Calculus I (C1)	4	ENGL 160† F,S	World Literature*	3
	TOTAL	16		TOTAL	15
				hree required security clearances (FBI	Child
	0		ļ ,	Abuse, Criminal) by 3/31 to B414.	
EDI 10 040 E 0	Sophomore –Fall		EDOD 007- E 0	Sophomore – Spring	
EDUC 346 F,S	Sociocultural Perspectives	3		Intro to Special Education	3
Varies	3 rd Language*	3		Educational Psychology	3
EDUC 209 F,S	Principals & Structures of Math C1	3	TEP 210° F,S	Sophomore Field Experience	0
BIOL 117	Field Biology	3	ESS 201	Earth and Space (C4)	3
Varies	CHEM 102-105 Chemistry OR	3-4	BIBL 20x EDUC 208	Encountering the Bible*	3
	or PHYS 201 Introductory Physics		EDUC 206 EDUC 205 F,S	Teaching English Language Learners Cultural & Political Geography (C3)	3
	TOTAL	15_16	EDUC 203 F,S	TOTAL	18
	IOIAL	13-10	Submit Teac	her Education Program app by 3/31 to	
	Junior – Fall		Gubiliit 1000	Junior – Spring	D-11-11
EDUC 331° F	Inst. Design & Assess Mid & Sec.	3	EDUC 302° S	Literacy CC& I – II (C2)	3
EDSP 307° F	Inclusion Practices	3	EDUC 304° S	Math CC & I – II (C1)	3
STAT 269/291	Statistics	3	EDUC 342° S	Social Studies CC & I (C3)	3
EDUC 305° F	Middle Level Methods	3	MATH 307°	Secondary Mathematic Instruction	2
TEP 316° F	Field Experience II in Grades 6-8	0	TEP 318° S	Field Experience III in Grades 4-5	0
HDFS 311 F,S	Adolescent Development	3	EDUC 347° S	Science CC I (C4)	3
See below	Plant/Environmental Science elective	3	EDUC 226 F,J	Children's Literature (C2)	2
	TOTAL	18		TOTAL	16
Professional	Semester application due by 11/1 to	B414.			
	Senior – Fall			Senior – Spring	
	Professional Semester		EDUC 346 J	Socio-Cult. Perspective on Educ (C3)	3
EDUC 420° F,S	Professional Issues in Education	2	THEO XXX	Christian Beliefs*	3
TEP 433° F,S	Student Teaching: Grades 4-8	9	Varies	Art/Music/Theatre meeting QuEST Arts*	3
TEP 407° F,S	Student Teaching Seminar	1		Math Elective (see below)	3-4
			HIST 141/142	U.S. History* (C3)	3
	TOTAL	12		TOTAL	15-16

*QuEST requirement

F=Fall, J=J-term, S=Spring; compiled 3/8/11

^c Courses to be taken concurrently/3 clearances required (w) Writing enriched course

† Indicates a requirement for admission to the TEP.

Math Electives: CIS 182 (181 prereq), MATH 112 (111 prereq), MATH 261 (112 prereq), STAT 292 (291 prereq) Chapter 354 Requirements:

Math (6 credits): EDUC 209, CIS 171 English (6 credits): IDFY 101, ENGL 160 (W)

##Environmental/Plant Science electives:

BIOL 140 Ecology and Sustainability (3)

BIOL 162 Plant Form and Function (3)

BIOL 216 Environmental Issues and Sustainable Solutions (3) BIOL 315 Environmental Ethics (3)

Study Abroad possibilities: fall-sophomore year, spring-sophomore year, semester without student teaching-senior year. A semester abroad requires careful planning with your advisor, starting in your first year at Messiah. The following courses may be fulfilled with study abroad courses:

• STAT 269

• CIS 171

BIOL 106PHSC 102

• CHEM 102/105

• BIBLE 2XX

• HIST 141/142

• COMM 105

Language course

• ARTS XXX

• EDUC 226

Education with Teaching Certification in Grades 4-8 (B.S.) Science & Social Studies Messiah College

8-semester plan

	C1 = Math core C2 = E	English cor	e C3 = Social St	tudies core C4 = Science core	
Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	•
IDFY 101†	First Year Seminar (C2)*	3	IDCR 151	Created and Called for Community*(W)	3
Varies	1st Language*	3	Varies	2 nd Language*	3
BIOL 106 F,S	Life Science (C4)	3	PHSC 102 F,S	Physical Science* (C4)	3
COMM 105†	Oral Communication**	3	CIS 171-181†F,J,S	Computer Science* (C1)	3
MATH 101/102/ 108//111†	Math (C1)	3-4	ENGL 122-176†	Literature Elective	3
	TOTAL	15-16		TOTAL	15
			Submit the three	required security clearances (FBI, Child A Criminal) by 3/31 to B414.	Abuse,
	Sophomore –Fall			Sophomore – Spring	
EDUC 208	Teaching English Language Learners	3	EDSP 207° F,S	Intro to Special Education	3
Varies	3 rd Language*	3	EDUC 203° F,S	Educational Psychology	3
EDUC 209 F,S	Principals & Structures of Math(C1)	3	TEP 210° F,S	Sophomore Field Experience	0
HIST 141/142	U.S. History* (C3)	3	EDUC 346 F,S	Sociocultural Perspectives	3
BIOL 117/	Field Biology OR	3-4	CHEM 102-105	Chemistry	3-4
PHYS 201	Introductory Physics I		EDUC 205 F,S	Cultural & Political Geography (C3)	3
	TOTAL	15-16		TOTAL	. i
			Submit Teacl	her Education Program app by 3/31 to B4	14.
	Junior – Fall			Junior – Spring	·
EDUC 331° F	Inst. Design & Assess Mid & Sec.	3	EDUC 302° S	Literacy CC& I – II (C2)	3
EDSP 307¢ F	Inclusion Practices	3	EDUC 304° S	Math CC & I – II (C1)	3
BIOL xxx##	Plant/Environmental Science elective	3	EDUC 342° S	Social Studies CC & I (C3)	3
EDUC 305° F	Middle Level Methods	3	EDUC 226 F,J	Children's Literature (C2)	3
TEP 316° F	Field Experience II in Grades 6-8	0	TEP 318° S	Field Experience III in Grades 4-5	0
HDFS 311 F,S	Adolescent Development	3	EDUC 347° S	Science CC I (C4)	3
HIST 258	Historical Methods	3	BIBL 2xx	Encountering the Bible*	3
	TOTAL			TOTAL	18
Submit Prof	essional Semester application by 11/1 to	B414.			
	Senior – Fall			Senior – Spring	·
	Professional Semester		EDUC 346 J	Socio-Cult. Perspective on Educ (C3)	3
EDUC 420° F,S	Professional Issues in Education	2	THEO XXX	Christian Beliefs*	3
TEP 433° F,S	Student Teaching: Grades 4-8	9	Varies	Art/Music/Theatre meeting QuEST Arts*	3
TEP 407° F,S	Student Teaching Seminar	1	HIST 3XX	History (Non-Western)	3
			ESS 201	Earth and Space Science (C4)	3
			HIST 141/142	U.S. History	3
	TOTAL	12		TOTAL	18

*QuEST requirement

F=Fall, J=J-term, S=Spring; compiled 3/8/11

^c Courses to be taken concurrently/3 clearances required

(w) Writing enriched course

† Indicates a requirement for admission to the TEP.

##Environmental/Plant Science electives:

BIOL 140 Ecology and Sustainability (3)

BIOL 162 Plant Form and Function (3)

Chapter 354 Requirements:

Math (6 credits): EDUC 209, CIS 171

English (6 credits): IDFY 101, ENGL 160 (W)

BIOL 216 Environmental Issues and Sustainable Solutions (3)

BIOL 315 Environmental Ethics (3)

Study Abroad possibilities: fall-sophomore year, spring-sophomore year, semester without student teaching-senior year. A semester abroad requires careful planning with your advisor, starting in your first year at Messiah. The following courses may be fulfilled with study abroad courses:

• COMM 105

Language course

• EDUC 226

• CIS 171 • MATH 101 • BIOL 106

• HIST 141

• PHSC 102

· Arts course meeting QuEST

Education with Teaching Certification in Grades 4–8 (B.S.) Science Concentration Messiah College 8-semester plan

C2 = English core C3 = Social Studies core C1 = Math core C4 = Science core Course # Course name **Credits** Course # Credits Course name First Year - Fall First Year - Spring IDFY 101† First Year Seminar* (C2)* 3 IDCR 151 Created and Called for Community*(W) 3 3 Varies 1st Language* 3 Varies 2nd Language* **BIOL 106 F.S** Life Science (C4) 3 PHSC 102 F,S Physical Science* (C4) 3 COMM 105† Oral Communication* 3 CIS 171-181†F,J,S Computer Science* (C1) 3 3 MATH 101/ ENGL 160† F,S World Literature* 3-4 Math (C1) 102/108//111† WELL 1xx Wellness* TOTAL 15-16 TOTAL 16 Submit the three required security clearances (FBI, Child Abuse, Criminal) by 3/31 to B414. Sophomore -Fall Sophomore - Spring 3 EDSP 207° F,S Varies 3rd Language* Intro to Special Education EDUC 209 F,S Principals & Structures of Math(C1) 3 EDUC 203° F,S Educational Psychology 3 Sociocultural Perspectives 3 TEP 210° F.S Sophomore Field Experience 0 **EDUC 346 F.S** PHYS 201# Introductory Physics 4 ESS 201 Earth and Space (C4) 3 BIOL 117/160/ BIBL 20X Encountering the Bible* 3 Biology 3-4 Teaching English Language Learners 162/258# **EDUC 208** 3 EDUC 205 F,S Cultural & Political Geography (C3) 3 TOTAL 16-17 18 Submit Teacher Education Program app by 3/31 to B414. Junior - Fall Junior - Spring EDUC 331° F Inst. Design & Assess Mid & Sec. 3 EDUC 302° S Literacy CC& I - II (C2) 3 EDSP 307° F EDUC 304° S Inclusion Practices 3 Math CC & I - II (C1) 3 CHEM 102/ 3 EDUC 342° S Social Studies CC & I (C3) 3 Chemistry 103/105# 3 3 EDUC 305° F Middle Level Methods EDUC 226 F.J Children's Literature (C2) 0 Field Experience III in gr. 4-5 TEP 316° F Field Experience II in gr. 6-8 TEP 318° S 0 Adolescent Development 3 EDUC 347° S Science CC I (C4) 3 HDFS 311 F.S BIOL XXX## Plant/Environmental Science elective 3 TOTAL **TOTAL** 15 Submit Professional Semester application by 11/1 to B414. Senior - Fall Senior - Spring **Professional Semester** EDUC 346 J Socio-Cult. Perspective on Educ (C3) 3 2 EDUC 420° F.S Professional Issues in Education THEO XXX Christian Beliefs* 3 Student Teaching: Grades 4-8 9 Art/Music/Theatre/Dance (QuEST Arts)* TEP 433° F.S Varies 3 TEP 407° F.S Student Teaching Seminar 1 HIST 141/142 U.S. History* (C3) 3 Science Concentration Elective Varies 3-4 TOTAL 12 **TOTAL** 15-16

#Science	Concentration	(21 Cre	edits	Minimum)	
π		Z I OI	Juito	19111111111111111111111111111111111111	

BIOL 315	3
PHYS 201	4
CHEM 102/103/105	3-4
BIOL 117/160/162/258	3-4
Elective #1	3-4
Elective #2	3-4

Elective #1: PHYS 201, PHYS 211, MATH 211

Elective #2: PHYS 201, PHYS 202, PHYS 211, PHYS 212

BIOL 140 Ecology and Sustainability (3)

BIOL 162 Plant Form and Function (3)

BIOL 216 Environmental Issues and Sustainable Solutions (3)

BIOL 315 Environmental Ethics (3)

*QuEST requirement

F=Fall, J=J-term, S=Spring; compiled 3/8/11

^c Courses to be taken concurrently/3 clearances required (w) Writing enriched course

† Indicates a requirement for admission to the TEP.

Chapter 354 Requirements:

Math (6 credits): EDUC 209, CIS 171

English (6 credits): IDFY 101, ENGL 160 (W)

Study Abroad possibilities: fall-sophomore year, spring-sophomore year, semester without student teaching-senior year. A semester abroad requires careful planning with your advisor, starting in your first year at Messiah. The following courses may be fulfilled with study abroad courses:

COMM 105, CIS 171, Language course, BIOL 106, PHSC 102, EDUC 226, HIST 141, ARTS XXX

Education with Teaching Certification in Grades 4-8 (B.S.) Social Studies

Concentration Messiah College 8-semester plan

C3 = Social Studies core C1 = Math core C2 = English core C4 = Science core

• "		ngiish cor			
Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall				First Year - Spring	· · · · · · · · · · · · · · · · · · ·
IDFY 101†	First Year Seminar* (C2)*	3	IDCR 151	Created and Called for Community*(W)	3
Varies	1st Language*	3	Varies	2 nd Language*	3
BIOL 106 F,S	Life Science (C4)*	3	PHSC 102 F,S	Physical Science* (C4)	3
COMM 105†	Oral Communication*	3	CIS 171-181†F,J,S	Computer Science* (C1)	3
MATH 101/102/ 108//111†	Math (C1)	3-4	ENGL 122-176†	Literature Elective	3
			WELL 1xx	Wellness*	1
	TOTAL	15-16		TOTAL	. 16
			Submit the three	required security clearances (FBI, Child a Criminal) by 3/31 to B414.	Abuse,
	Sophomore –Fall			Sophomore – Spring	
EDUC 346 F,S	Sociocultural Perspectives	3	EDSP 207° F,S	Intro to Special Education	3
Varies	3 rd Language*	3	EDUC 203° F,S	Educational Psychology	3
EDUC 209 F,S	Principals & Structures of Math(C1)	3	TEP 210 ^c F,S	Sophomore Field Experience	0
HIST 142	U.S. History* (C3)	3	ESS 201	Earth and Space (C4)	3
EDUC 208	Teaching English Language Learners	3	HIST 141	U.S. History*	3
BIBL 20x	Encountering the Bible*	3	HIST 3xx	History (Non-western)*	3
			EDUC 205 F,S	Cultural & Political Geography (C3)	3
	TOTAL	18		TOTAL	. 18
			Submit Teac	her Education Program app by 3/31 to B4	14.
	Junior – Fall			Junior – Spring	
EDUC 331° F	Inst. Design & Assess Mid & Sec.	3	EDUC 302° S	Literacy CC& I – II (C2)	3
EDSP 307° F	Inclusion Practices	3	EDUC 304° S	Math CC & I – II (C1)	3
HIST 258	Historical Methods	3	EDUC 342° S	Social Studies CC & I (C3)	3
EDUC 305° F	Middle Level Methods	3	EDUC 226 F,J	Children's Literature (C2)	3
TEP 316° F	Field Experience II in Grades 6-8	0	TEP 318° S	Field Experience III in Grades 4-5	0
HDFS 311 F,S	Adolescent Development	3	EDUC 347° S	Science CC I (C4)	3
	***************************************		POLI 113	American Government	3
	TOTAL	15		TOTAL	. 18
Submit Profe	essional Semester application by 11/1 to	B414.			
	Senior – Fall			Senior – Spring	•
	Professional Semester		EDUC 346 J	Socio-Cult. Perspective on Educ (C3)	3
EDUC 420° F.S	ļ	2	THEO xxx	Christian Beliefs*	3
TEP 433° F,S	Student Teaching: Grades 4-8	9	Varies	Art/Music/Theatre meeting QuEST Arts*	3
TEP 407° F,S	Student Teaching Seminar	1	HIST 171/172	World Civilizations	3
, .	9	-	ECON 110	Economies of Social Issues	3
			, , , , , , , , , , , , , , , , , , ,		<u> </u>
	TOTAL	12		TOTAL	. 15

*QuEST requirement

F=Fall, J=J-term, S=Spring; compiled 3/8/11

c Courses to be taken concurrently/3 clearances required

(w) Writing enriched course

† Indicates a requirement for admission to the TEP.

Chapter 354 Requirements:

Math (6 credits): EDUC 209, CIS 171

English (6 credits): IDFY 101, ENGL 160 (W)

Study Abroad possibilities: fall-sophomore year, spring-sophomore year, semester without student teaching-senior year. A semester abroad requires careful planning with your advisor, starting in your first year at Messiah. The following courses may be fulfilled with study abroad courses:

• COMM 105

• BIOL 106

• HIST 141

• CIS 171

• PHSC 102

· Course meeting QuEST Arts

• MATH 101

• EDUC 226

Language

III. ENGINEERING

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nedical Engineering (BSBME)	
1 Engineering (BSCE)	
etrical Engineering (BSEE)	
chanical Engineering (BSME)	
ineering (BSE) with Computer Concentration	
ineering (BSE) with Environmental Concentration	

Students with Advanced Placement credit:

Requirements for some courses in mathematical sciences can be met through Advanced Placement exam credit. Messiah University credit for various AP exams can be found at the following link, or through the registrar's website:

http://www.messiah.edu/info/21351/transfer ap clep courses/2107/apclepib equivalencies/3



Engineering

Degree Programs and Curriculum Details

Bachelor of Science in Biomedical Engineering (BSBME)
131 CR

Bachelor of Science in Civil Engineering (BSCE)
131 CR

Bachelor of Science in Electrical Engineering (BSEE)
131 CR

Bachelor of Science in Mechanical Engineering (BSME)
131 CR

Engineering Minors

Available to majors in another Engineering discipline

Biomedical Engineering
Civil Engineering
Electrical Engineering
Environmental Engineering
Mechanical Engineering

The BSE degree has been continuously accredited by ABET since 1993. That accreditation will be maintained indefinitely according to the typical ABET review cycle.

The BSBME, BSCE, BSEE, and BSME degrees are new at Messiah University beginning in Fall 2019. Students graduating May 2022 or later may choose these degree paths. Accreditation of new degree programs is not possible until the program has at least one graduate. Successful accreditation at that point would be retroactive to those graduates. Messiah University anticipates applying for accreditation in these programs in the Spring of 2022 with notification of official action by Summer 2023. All concentrations will be maintained within the BSE program through the transition and will also benefit from the curricular enhancements of the new programs.

Bachelor of Science in Engineering (BSE)

Biomedical Concentration 128 CR

Civil Concentration 128 CR

Electrical Concentration 128 CR

Mechanical Concentration 128 CR

Computer Concentration 128 CR

Environmental Concentration 128 CR

General Engineering 123 CR

Consider pairing with a Messiah University minor (samples below) or with courses recommended for Pre-Med or Pre-Health careers by our MC Pre- Health Professions Advising Service.

Physics
Chemistry
Business Administration
Leadership
Computer Science
Economic Development
Spanish
Music

8 Semester Plans

Biomedical Engineering (BSBME)

Course #	Course Name	Credits	Course #	Course Name	Credits
	First Year – Fall			First Year – Spring	
ENGR 111	Intro to Engineering	2	ENGR 112	Engineering Design Tools	2
MATH 111	Calculus I*	4	MATH 112	Calculus II	4
CHEM 105	Chemistry*	4	PHYS 211	General Physics I	4
COMM 105	Fundamentals of Oral Communication*	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar**	3	Varies	1st Language requirement*	3
	Tota	16		Tota	16
	Sophomore – Fall			Sophomore – Spring	
			ENGR 211	Project Management	1
ENGR 214	Materials Engineering	4	ENGR 215	Circuits I	4
ENGR 216	Mechanics I	3	ENGR 212	Programming for Engineers (J-term)	2
MATH 211	Calculus III	4	ENGR 323	Mechanics II	3
PHYS 212	General Physics II	4	MATH 270	Linear and Differential Methods	3
Varies	2nd Language requirement*	3	PHIL or RELI	Philosophy or Religion meeting QuEST*	3
	Total	18		Tota	16
	Junior – Fall			Junior – Spring	
ENGR 371	Thermodynamics	3	ENGR 332	BME Laboratory Techniques	3
ENGR 301	Seminar I	1	ENGR 213	Engineering Statistics	3
ENGR 331	Biomechanics	4	ENGR 415	Engineering Project	1
ENGR 415	Engineering Project	1	Varies	Social Science/History meeting QuEST*	3
WELL 1xx	Wellness*	1	ENGL 1xx	Literature meeting QuEST*	3
Varies	Biomedical Science Elective	3	BIBL 2xx	Bible*	3
HIST 1xx	History meeting QuEST*	3			
	Tota	16		Tota	16
	Senior – Fall			Senior – Spring	
ENGR 302	Seminar II	1		- Come - Cynnig	
ENGR 377	Fluid Dynamics	4	ENGR 431	Biomedical Instrumentation	4
ENGR 324	Control Systems	4	ENGR 415	Engineering Project	2
ENGR 415	Engineering Project	2	Varies	Biomedical Science Elective	4
ENGR 432	Design of Medical Devices	4	THEO 2xx	Christian Beliefs*	3
Varies	3rd Language/NonWestern/CrossCultural*	2-3	Varies	Ethics/WV/Pluralism*	3
	Tota	l 17-18		Tota	16

Civil Engineering (BSCE) 8 Semester Plan

Course #	Course Name	Credits	Course #	Course Name	Credits
	First Year – Fall	•		First Year – Spring	•
ENGR 111	Intro to Engineering	2	ENGR 112	Engineering Design Tools	2
MATH 111	Calculus I*	4	MATH 112	Calculus II	4
CHEM 105	Chemistry*	4	PHYS 211	General Physics I	4
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
COMM 105	Fundamentals of Oral Communication*	3	Varies	1st Language*	3
	Total	16		Total	16
	Sophomore – Fall			Sophomore – Spring	
ENGR 214	Materials Engineering	4	ENGR 211	Project Management	1
ENGR 216	Mechanics I	3	ENGR 215	Circuits I	4
MATH 211	Calculus III	4	ENGR 212	Programming for Engineers (J-term)	2
GEOL 201	Foundations of Geology	4	ENGR 213	Engineering Statistics	3
Varies	2nd Language*	3	ENGR 323	Mechanics II	3
			MATH 270	Linear and Differential Methods	3
			WELL 1xx	Wellness*	1
	Total	18		Total	17
	Junior – Fall			Junior – Spring	
ENGR 301	Seminar I	1	ENGR 344	Construction Methods and Materials	4
ENGR 341	Structural Design I	4	ENGR 345	Fluid Mechanics	4
ENGR 353	Environmental Engineering	4	ENGR 415	Engineering Project	1
ENGR 415	Engineering Project	1	ENGR 441	Structural Design II	4
Varies	Social Science/History*	3	BIBL 2xx	Bible*	3
PHIL or RELI	Philosophy or Religion meeting QuEST*	3			
	Total	16		Total	16
	Senior – Fall			Senior – Spring	
ENGR 302	Seminar II	1	ENGR 347	Transportation Engineering	3
ENGR 346	Water Resources Engineering	3	ENGR 415	Engineering Project	2
ENGR 415	Engineering Project	2	ENGR 444	Civil Engineering Design	3
ENGR 443	Soil Mechanics and Foundation Design	4	Varies	3rd Language/NonWestern/Cross Cultural*	2-3
HIST 1xx	History*	3	THEO 2xx	Christian Beliefs*	3
ENGL 1xx	Literature*	3	Varies	Ethics/WV/Pluralism*	3
	Total	16		Total	16-17

Electrical Engineering (BSEE) 8 Semester Plan

Course #	Course Name	Credits	Course #	Course Name	Credits
	First Year – Fall	•		First Year – Spring	
ENGR 111	Intro to Engineering	2	ENGR 112	Engineering Design Tools	2
MATH 111	Calculus I*	4	MATH 112	Calculus II	4
CHEM 105	Chemistry*	4	PHYS 211	General Physics I	4
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
COMM 105	Fundamentals of Oral Communication*	3	Varies	1st Language*	3
	Total	16		Total	16
	Sophomore – Fall			Sophomore – Spring	
ENGR 215	Circuits I	4	ENGR 211	Project Management	1
ENGR 216	Mechanics I	3	ENGR 212	Programming for Engineers (J-term)	2
MATH 211	Calculus III	4	ENGR 214	Materials Engineering	4
PHYS 212	General Physics II	4	ENGR 361	Circuits II	4
Varies	2nd Language*	3	MATH 270	Linear and Differential Methods	3
			PHIL or RELI	Philosophy or Religion meeting QuEST*	3
	Total	18		Total	17
FNOD 400	Junior – Fall			Junior – Spring	
ENGR 462	Power Systems Engineering	4	ENOD 040	F Olafafa	
ENGR 301	Seminar I	1	ENGR 213	Engineering Statistics	3
ENGR 362	Analog Electronics	3	ENGR 364	Electrical Devices	4
			ENGR 365	Linear Systems	3
ENGR 415	Engineering Project	1	ENGR 415	Engineering Project	1
WELL 1xx	Wellness*	1	HIST 1xx	History*	3
ENGL 1xx	Literature*	3	THEO 2xx	Christian Beliefs*	3
BIBL 2xx	Bible*	3			
	Total	16		Total	17
	Senior – Fall			Senior – Spring	
ENGR 302	Seminar II	1	ENGR 363	Embedded Systems Design	4
ENGR 324	Control Systems	4	ENGR 415	Engineering Project	2
ENGR 367	Electromagnetics	3	ENGR 421	Robotic Systems	4
ENGR 415	Engineering Project	2	ENGR 461	Communication Systems	3
Varies	Social Science/History*	3	Varies	Ethics/WV/Pluralism*	3
Varies	3rd Language/NonWestern/Cross Cultural*	2-3			-
	Total	15-16		Total	16

Mechanical Engineering (BSME) 8 Semester Plan

Course #	Course Name	Credits	Course #	Course Name	Credits
	First Year – Fall			First Year – Spring	
ENGR 111	Intro to Engineering	2	ENGR 112	Engineering Design Tools	2
MATH 111	Calculus I*	4	MATH 112	Calculus II	4
CHEM 105	Chemistry*	4	PHYS 211	General Physics I	4
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
COMM 105	Fundamentals of Oral Communication*	3	Varies	1st Language*	3
	Total	16		Tota	16
	Sophomore – Fall			Sophomore – Spring	
ENGR 214	Materials Engineering	4	ENGR 211	Project Management	1
ENGR 216	Mechanics I	3	ENGR 215	Circuits I	4
MATH 211	Calculus III	4	ENGR 212	Programming for Engineers (J-term)	2
PHYS 212	General Physics II	4	ENGR 323	Mechanics II	3
Varies	2nd Language*	3	MATH 270	Linear and Differential Methods	3
			ENGL 1xx	Literature*	3
					4.0
	Total	18		Total	16
	Junior – Fall			Junior – Spring	
ENGR 213	Engineering Statistics	3	ENGR 376	Dynamics and Vibrations	4
ENGR 371	Thermodynamics	3	ENGR 378	Manufacturing Processes	3
ENGR 301	Seminar I	1	ENGR 415	Engineering Project	1
ENGR 472	Mechanical Design	4	Varies	Social Science/History*	3
ENGR 415	Engineering Project	1	BIBL 2xx	Bible*	3
WELL 1xx	Wellness*	1	Varies	3rd Language/NonWestern/Cross Cultural*	2-3
PHIL or RELI	Philosophy or Religion meeting QuEST*	3		, , , , , , , , , , , , , , , , , , ,	
	Total	16		Total	16-17
	1000	10		1000	10 11
	Senior – Fall			Senior – Spring	
ENGR 302	Seminar II	1	ENGR 415	Engineering Project	2
ENGR 324	Control Systems	4	ENGR 421	Robotic Systems	4
ENGR 373	Instrumentation and Measurement	3	ENGR 471	Heat Transfer and Design	4
ENGR 377	Fluid Dynamics	4	HIST 1xx	History*	3
ENGR 415	Engineering Project	2	Varies	Ethics/WV/Pluralism*	3
THEO 2xx	Christian Beliefs*	3			
	Total	17		Tota	16

Engineering (BSE) with Computer Concentration 8 Semester Plan

Course #	Course Name	Credits	Course #	Course Name	Credits
	First Year – Fall			First Year – Spring	
ENGR 111	Intro to Engineering	2	ENGR 112	Engineering Design Tools	2
MATH 111	Calculus I*	4	MATH 112	Calculus II	4
CHEM 105	Chemistry*	4	PHYS 211	General Physics I	4
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
COMM 105	Fundamentals of Oral Communication*	3	Varies	1st Language*	3
	Total	16		Tota	16
	Sophomore – Fall			Sophomore – Spring	
ENGR 215	Circuits I	4	ENGR 211	Project Management	1
ENGR 216	Mechanics I	3	ENGR 212	Programming for Engineers (J-term)	2
MATH 211	Calculus III	4	ENGR 214	Materials Engineering	4
PHYS 212	General Physics II	4	ENGR 361	Circuits II	4
Varies	2nd Language*	3	MATH 270	Linear and Differential Methods	3
			CIS 284	Computer Programming II	3
	Total	18		Tota	17
	Total	10		Total	1 1 1
	Junior – Fall		,	Junior – Spring	
ENGR 213	Engineering Statistics	3	ENGR 365	Linear Systems	3
ENGR 301	Seminar I	1	ENGR 415	Engineering Project	1
ENGR 362	Analog Electronics	3	Varies	Social Science/History*	3
ENGR 415	Engineering Project	1	PHIL or RELI	Philosophy or Religion meeting QuEST*	3
CIS 384	Elements of Computer Systems	3	WELL 1xx	Wellness*	1
BIBL 2xx	Bible*	3	HIST 1xx	History*	3
ENGL 1xx	Literature*	3			
	Total	17		Tota	14
	Senior – Fall			Senior – Spring	
ENGR 302	Seminar II	1		Oction Opting	
ENGR 324	Control Systems	4	ENGR 363	Embedded Systems Design	4
ENGR 415	Engineering Project	2	ENGR 415	Engineering Project	2
Varies	Computer Engineering Elective	3	MATH 180	Discrete Mathematics	3
CIS 385	Data Structures and Algorithms	3	THEO 2xx	Christian Beliefs*	3
Varies	3rd Language/NonWestern/Cross Cultural*	2-3	Varies	Ethics/WV/Pluralism*	3
valles	ord Earlydage/Northwestern/Ortoss Cultural	2-0	Valles	Luncs/VVV/I luidiisiii	J
	Total	15-16		Total	15

Engineering (BSE) with Environmental Concentration 8 Semester Plan

Course #	Course Name	Credits	Course #	Course Name	Credits
	First Year – Fall			First Year – Spring	•
ENGR 111	Intro to Engineering	2	ENGR 112	Engineering Design Tools	2
MATH 111	Calculus I*	4	MATH 112	Calculus II	4
CHEM 105	Chemistry*	4	PHYS 211	General Physics I	4
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
COMM 105	Fundamentals of Oral Communication*	3	Varies	1st Language*	3
	Total	16		Total	16
	Sophomore – Fall			Sophomore – Spring	
ENGR 215	Circuits I	4	ENGR 211	Project Management	1
ENGR 216	Mechanics I	3	ENGR 212	Programming for Engineers (J-term)	2
MATH 211	Calculus III	4	ENGR 214	Materials Engineering	4
PHYS 212	General Physics II	4	MATH 270	Linear and Differential Methods	3
	,		CHEM 106	Chemistry* II	4
			Varies	2nd Language*	3
	Total	15		Total	17
	Junior – Fall			Junior – Spring	
ENGR 213	Engineering Statistics	3	ENGR 345	Fluid Mechanics	4
ENGR 301	Seminar I	1	ENGR 415	Engineering Project	1
ENGR 353	Environmental Engineering	4	ENGR 451	Water and Wastewater Management	3
ENGR 371	Thermodynamics	3	GIS 245	Intro to Geographical Info Sys	3
ENGR 415	Engineering Project	1	ENGL 1xx	Literature*	3
WELL 1xx	Wellness*	1	Varies	3rd Language/NonWestern/Cross Cultural*	2-3
Varies	Social Science/History*	3			
	Total	16		Total	16-17
	Senior – Fall			Senior – Spring	
ENGR 302	Seminar II	1	PHIL or RELI	Philosophy/Religion meeting QuEST*	3
ENGR 346	Water Resources Engineering	3	ENGR 415	Engineering Project	2
ENGR 415	Engineering Project	2	ENGR 452	Hazardous Waste and Air Pollution Mgmt	3
Varies	Environmental Elective	3	HIST 1xx	History*	3
Varies	Environmental Science Elective	3	THEO 2xx	Christian Beliefs*	3
BIBL 2xx	Bible*	3	Varies	Ethics/WV/Pluralism*	3
	Total	15		Total	17

III. English

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Guidelines for Mathematical Sciences Courses

There is no specific math course required for the English major. Familiarity with digital technology is increasingly important for students in the humanities with new developments in the digital humanities majors. Students interested in pursuing digital applications in the humanities should consider taking courses in CIS. The introductory CIS courses to consider include:

CIS 171 Problem Solving with Computers focuses on using computers and software to create reports, images, spreadsheets, web pages, and databases.

CIS 180 Introduction to Computer and Information Science covers both technical and social aspects of computing, including privacy, security, reliability, and ethics.

CIS 181 Introduction to Computer Programming in Python is the introductory programming course for both majors and non-majors.

For students interested in math, we recommend students enroll in MATH 101, MATH 102, or MATH 107 in their first year, unless they have had a pre-calculus course; then they should consider MATH 108. Statistical literacy is another important area of mathematical study, and STAT269 is a course that gives a good introduction to statistical methods and meets the QuEST requirement.

Secondary Teaching Certification in English

All students in this major must take two mathematical science courses—any course with a MATH, CIS, or STAT prefix. Most students choose two of the following in their first or second year: MATH 101, MATH 102, MATH 107, or CIS 171. Consider MATH 108 if you have had pre-calculus. Statistical literacy is another important area of mathematical study, and STAT 269 is a course that gives a good introduction to statistical methods and meets the QuEST requirement..

Students with Advanced Placement credit:

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics should go to the English department's website (www.messiah.edu/departments/mathsci/courses/ap_credit.html) to find out how credit is awarded for your scores.

8-Semester Plan: English with Secondary Teaching Certification (B.A.)

The department offers you this scheduling matrix reflecting an idealized order; however, individual situations vary.

Course #	Course name	Credits	Course #	Course name	Credit s
	First Year – Fall	l		First Year - Spring	1
COMM 105	Oral Communication*	3	Varies	2 nd language*	3
Varies	1 st language*	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	Varies	Math elective 2	3
CIS 171	Problem Solving with Computers*^	3	HIST xxx	U.S. or European History*	3
ENGL 201	Introduction to English Studies I	3	ENGL 202	Introduction to English Studies II	3
LIVOL ZUI	introduction to English Stadios i			t the three required security clearances	
				Child Abuse, Criminal) by 3/31 to B414.	
	TOTAL	15	, , , , , , , , , , , , , , , , , , ,	TOTAL	15
	Sophomore –Fall	10		Sophomore – Spring	10
EDSP 207	Introduction to Special Education++^	3	IDST xxx	Science, Technology & the World*	3
EDUC 203	Educational Psychology++^	3	EDUC 346	Sociocultural Perspectives on Education+^	3
EDUC 210	Sophomore Field Experience++ ^(fall or	0	EDUC 208	Teaching English Language Learners	3
2000 210	spring)		2000 200	Toddining English Edingdags Esamors	
ENGL 360	Topics: Young Adult Literature (even	3	ENGL 320 or	British Literature after 1800 or ENGL 340	3
Or ENGL 370	years) or Composition Theory (odd years)		ENGL 340	American Lit after 1900	
ENGL 310 or	British Literature or ENGL 330 American	3	BIBL 201	Bible*	3
ENGL 330	Lit (odd years)		5.52.20		
Varies	3rd language or Cross Cultural*	3	Varies	Elective	3
varies	3" language of Cross Cultural	J		ther Education Program app by 3/31 to B414.	J
	TOTAL	15	Submit read	TOTAL	18
	Junior – Fall	10		Junior – Spring	10
Varies or	Laboratory Science* or	3-4	Varies	Philosophy and Religion*	3
ENGL 307	Teaching English Sec School [^] (even yr)	J-4	varies	Thilosophy and Religion	J
EDUC 331	Instructional Design and Assessment++^	3	Varies	Art, Theatre, Music or Dance* (Theatre)	3
EDSP 307	Inclusion Practices++ ^	3	ENGL 320	British Literature after 1800 or ENGL 340	3
LD3F 307	Inclusion ractices++	J	or ENGL 340	American Lit after 1900	J
TEP 310	Junior Field Experience++ ^(fall or spring)	0	ENGL 350	Postcolonial/World Literature	3
ENGL 310 or	British Literature or ENGL 330 American	3			J
ENGL 310 of	Lit (odd years)	J	WELL 1xx	Wellness*	1
ENGL 370	Comp Theory and Pedagogy (odd years)	3			3
Or ENGL 360	or Young Adult Lit (even years)	J	Varies	Christian Beliefs*	3
	ofessional Semester application by 11/1 to	R414			
Submit i	TOTAL			TOTAL	16
	Senior – Fall	13-10		Senior – Spring	10
Varios	Ethics, World Views or Pluralism*	2 /	TED //25		٥.
Varies Varies or	Laboratory Science* or	3-4 3-4	TEP 435 TEP 410	Student Teaching: Secondary + ^ Secondary Pre-Student Teaching+ ^	9
ENGL 307	Teaching English Sec School [^] (even yr)	J-4	165 410	Secondary Fre-Student readming+	U
ENGL 494	Senior Seminar: Literature	3	EDUC 420	Professional Issues in Education^	2
HDFS 311	Adolescent Development+ ^A	3	TEP 407	Seccondary Student Teaching Seminar ^	† · · · · · · · · · · · · · · · · · · ·
		3		Professional Issues in Education+ [^]	1
XXX	Elective	3	EDUC 420		2
	TOTAL	AE 47		TOTAL	12
	TOTAL	15-17			123

*QuEST requirement

^certification requirement

++All courses marked with this symbol must be taken concurrently as indicated.

III. HEALTH, NUTRITION and EXERCISE SCIENCE

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Guidelines for Mathematical Sciences Courses

Students in the Health, Nutrition, and Exercise Science Department should check the mathematics requirements specified for the major in the college catalog. Students in these majors are required to meet the QuEST Mathematical Science requirement but often have specific or additional mathematics courses specified in the major.

Students with Advanced Placement credit:

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics should check here to find out how credit is awarded for your scores.

Nutrition and Dietetics (B.S.) Progression Requirements

In order to progress into NUTR 410, 411, and 425, students must have completed the following courses with no grades lower than a C- in each and an average GPA in them of 2.5 (2.75 if more than one of these courses is transferred to Messiah):

CHEM 105, 106, and 204 or CHEM 309/310 BIOL 185 or BIOL 160 NUTR 121 and 222.

Students who do not achieve the required minimum GPA will not be able to complete the Nutrition and Dietetics major. Student grades will be reviewed at the completion of CHEM 105 and 106 and NUTR 121. Typically, this will happen after the first two semesters. Students who have less than a 2.5 cumulative GPA in these three classes (less than a 2.75 for students who transfer one of these classes in) will be considered to be on probation as far as the progression in the major is concerned.

Nutrition and Dietetics (B.S.) Progression Course Repeat Policy

One course from the above list may be repeated one time. An attempt at a course will include all letter grades as well as W, WP, and WF. When extenuating circumstances arise (i.e. significant illness or death in the family), students may appeal this policy by submitting a written letter explaining the rational for the exception to the DPD Director. If the appeal is denied, the department decision may be appealed to the dean of the School of Science, Engineering and Health.

Applied Health Science (B.S.) with Pre-Athletic Training Concentration

5-Year Accelerated MSAT – 10 Semester Advising Plan

Composition 4	1	Comparison O	
Semester 1		Semester 2	
IDFY 101 First-Year Seminar*	3	COMM 105 (J-term) Fundamentals of Oral Communication*	3
Varies 1st Language*	3	ATHT 140 Prevention & Management of Injury	2
MATH 102, MATH 108, or MATH 111 *	3-4	IDCR 151 Created & Called for Community*	3
CHEM 103 Chemical Science or CHEM 105 Gen Chemistry	4	Varies 2 nd Language*	3
APHS 170 Concepts of Conditioning*	2	HIST xxx History meeting QuEST*	3
ATHT 102 Intro to Athletic Training	1	PSYC 101 Intro to Psychology*	3
	•	,	
Total	16-17	Total	17
Semester 3		Semester 4	
ATHT 235 Orthopedic Assessment	3	Varies J-term ART, MUGE, DANC or THEA meeting QuEST*	3
APHS 271 Kinesiology	3	STAT 269 Introductory Statistics*	3
BIOL 160 Molecular/Cellular Biology with Lab*	4	BIOL 186 Human Anatomy & Physiology II with Lab	4
BIOL 185 Human Anatomy & Physiology I with Lab	4	APHS 215 Chronic Disease and Exercise	3
GERO 251, PSYC 209, PSYC 210, PSYC 311, or PSYC 312	3	ATHT 203 Medical Terminology	2
GLNO 231, 1 310 209, 1 310 210, 1 310 311, 011 310 312	J		3
-	4-	BIBL 2xx Bible*	
Total	17	Total	18
Semester 5		Semester 6	
ENGL 1xx Literature meeting QuEST*	3	Varies 3 rd Language or Cross-Cultural*	3
ATHT 339 Therapeutic Interventions	3	IDNW xxx Non-Western*	2-3
PHIL/RELI xxx Philosophy/Religion meeting QuEST *	3	APHS 325 Exercise Nutrition and Metabolism	3
APHS 301 Exercise Physiology with Lab	4	THEO 2xx Christian Beliefs*	3
	4	Varies Ethics/Pluralism/World Views*	3
PHYS 201 Physics I with Lab	4		
		ATED 480 Athletic Training Senior Seminar	4
Total	17	Total	17-18
Summer between Semester 6 and 7			
ATHT 507 Emergency Management	1		
ATHT 501 The Professional Athletic Trainer	1		
ATHT 510 Clinical Rotation I: Messiah/HS/College	1		
ATHT 505 Bracing and Taping	1		
Total	4		
	4	Composton 0	
Semester 7		Semester 8	•
8 weeks		ATHT 545 J-term Kinesiology with Lab	2
ATHT 524 Evaluation of the Upper Extremity	1.5	8 weeks	
8 weeks		ATHT 530 Clinical Rotation III	1.5
ATHT 526 Assessment of the Lower Extremity	1.5	ATHT 534 Evaluation of the Spine	1.5
16 weeks		ATHT 537 General Medical/Pharmacology Topics	1.5
ATHT 518 Scientific Inquiry I	3	8 weeks	1.0
ATHT 510 Galchille Inquity I		ATHT 540 Clinical Rotation IV	1.5
	3		1.5
ATHT 522 Therapeutic Interventions		ATHT 543 Eating for Recovery and Performance	1.5
Total	12	ATHT 547 Head Injury in Sport	1.5
		16 weeks	
		ATHT 528 Scientific Inquiry II	3
Summer between Semester 8 and 9		Total	14
ATHT 555 Gross Human Anatomy	3		
Semester 9	<u> </u>	Semester 10	
8 weeks		8 weeks	
	1.5		2
ATHT 637 Behavioral Health	1.5	ATHT 634 Case Review III Spine	3
8 weeks	 	ATHT 653 Administration & Liability	1.5
ATUT CAT II D (T '.'.'.		ATHT 657 Epidemiology & Public Health	1.5
ATHT 647 Human Performance Training	1.5		
16 weeks	1.5	8 weeks	
16 weeks		8 weeks	4
16 weeks ATHT 624 Case Review I Upper Extremity	3	8 weeks ATHT 660 Clinical VI Immersive	
16 weeks ATHT 624 Case Review I Upper Extremity ATHT 626 Case Review II Lower Extremity	3 3	8 weeks ATHT 660 Clinical VI Immersive ATHT 695 Graduate Capstone (online)	2
16 weeks ATHT 624 Case Review I Upper Extremity	3	8 weeks ATHT 660 Clinical VI Immersive	

Applied Health Science (B.S.) with Exercise Science Concentration 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
APHS 170	Concepts of Conditioning	2	APHS 225 or	Research Methods and Statistics or	3
	, v		STAT 269	Introductory Statistics	J
BIOL 185	Human Anatomy and Physiology I	4	BIOL 186	Human Anatomy and Physiology II	4
COMM 105	Oral Communication*	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	Varies	2 nd language* (1 st or 2 nd year)	3
Varies	1st language*	3	PSYC 101	Introduction to Psychology	3
	TOTAL	15		TOTAL	16
	Sophomore – Fall			Sophomore – Spring	
APHS 215	Chronic Disease and Exercise	3	APHS 301	Exercise Physiology	4
CHEM 103 or 105	Chemical Science or General Chemistry I**	4	BIBL 20x	Knowledge of the Bible* (1st or 2nd year)	3
MATH/CIS/STAT	Mathematical Science* (1st year)	3	BIOL 189	Genetics for Health Profession	3
Varies	Literature* (1st or 2nd year)	3	HIST	History* (1st or 2nd year)	3
Varies	PSYC 209, HDFS 210, 311, 312 or GERO 251	3	Varies	Elective	3
	TOTAL	16		TOTAL	16
	Junior – Fall			Junior – Spring	·
APHS 271	Kinesiology	3	APHS xxx	APHS elective	3
IDNW xxx	Non-Western Studies* (2 nd or 3 rd year)	2-3	Varies	3 rd language or Cross Cultural* (2 nd or 3 rd year)	3
NUTR 222	Nutrition Theory	3	Varies	Elective	3
APHS xxx	APHS Elective	3	Varies	Elective	3
Varies	Art, Music or Theatre meeting QuEST	3	Varies	Elective	3
	TOTAL	14-15		TOTAL	15
	Senior – Fall			Senior – Spring	
IDS xxx	Ethics/Pluralism/World Views* (3rd- 4th yr)	3	APHS 325	Exercise Nutrition and Metabolism	3
INTE 391	Internship	1-3	APHS 412	Senior Seminar	3
Varies	Elective	3	RELI/PHIL	Religion/Philosophy* (1st or 2nd year)	3
Varies	Elective	3	Varies	Elective	3
THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3	Varies	Elective	3
	TOTAL	13-15		TOTAL	15

^{**}Students interested in pursuing graduate school should take CHEM 105.

Applied Health Science (B.S.) / Occupational Therapy (M.S.O.T.) 3+2 Suggested 8-Semester Plan

Note: This major open only to students already accepted by Thomas Jefferson

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall		First Year – Spring			
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
BIOL 185	Human Anatomy and Physiology I	4	BIOL 186	Human Anatomy and Physiology II	4
APHS 170	Concepts of Conditioning	2	Varies	2 nd language* (1 st or 2 nd year)	3
PSYC 101	Introduction to Psychology	3	COMM 105	Oral Communication*	3
Varies	1st language*	3	PSYC 209	Life Span Development	3
	TOTAL	15		TOTAL	16
	Sophomore – Fall			Sophomore – Spring	
APHS 215	Chronic Disease and Exercise	3	BIBL 20X	Knowledge of the Bible* (1st or 2nd year)	3
STAT 269	Statistics*	3	HIST	History* (1st or 2nd year)	3
SOCI 101	Principles of Sociology*	3	Varies	Art, Music or Theatre* (1st or 2nd year)	3
CHEM 103	Chemical Science*	4	PSYC 319	Abnormal Psychology	3
IDNW xxx	Non-Western Studies* (2 nd or 3 rd year)	2-3	BIOL 189	Genetics for Health Professions	3
WELL 1xx	Wellness* (1st or 2nd year)	1	SOAN 212	Cultural Anthropology	3
	TOTAL	16		TOTAL	18
	Junior – Fall			Junior – Spring	
NUTR 222	Nutrition Theory	3	THEO 2XX	Christian Beliefs* (2 nd or 3 rd year)	3
APHS 301	Exercise Physiology	4	APHS 325	Exercise Nutrition and Metabolism	3
ENGL 1xx	Literature* (1st or 2nd year)	3	APHS 412	Senior Seminar	3
RELI/PHIL	Religion/Philosophy* (1st or 2nd year)	3	Varies	Ethics/Pluralism/World Views* (3rd- 4th yr)	3
Varies	3 rd language or Cross Cultural* (2 nd or3 rd yr)	3	APHS 360	Exercise Testing and Prescription	3
			APHS xxx	APHS elective	3
	TOTAL	16		TOTAL	18
	Senior Fall @ TJU			Senior Spring @ TJU	
OT 302	App. Anatomy and Kinesiology	4	OT 308	Concepts in Neurodevelopment L/L	4
OT 311	Health and Health Conditions	4	OT 322	Found of Occupation-Centered Pract I	2
OT 321	Found of Occupation-Centered Pract I	2	OT 357	Evaluation Process	4
OCT 336	Occupation through Lifespand L/L	5			
OT	Domains of OT Practice Field Work I	2			
	TOTAL	17		TOTAL	8

*QuEST requirement

Summer courses at TJU include:

OT 341 Occupational analysis and evaluation-Fieldwork level 1: 2 cr

OT 467 Health Services Administration & Professional Development: 2 cr

OT 603 Research Mentorship and Methods: 4 cr

- Substitute OT 302 for APHS 271
- Substitute OT 311 for HPED 305
- Students will also take other courses their senior year at TJU, but these are 500+ level courses and there do not count towards the undergraduate degree.
- Thomas Jefferson will accept CLEP and AP credits with the exception of Anatomy and Physiology.
- Thomas Jefferson will NOT accept transfer credits from other institutions.
- Students must have a "B" average between BIOL 185 & 186.
- Students may "walk" in the Messiah College May graduation ceremony, but will not complete their Messiah College degree until August, contingent upon successful completion of OT 467.

Applied Health Science (Pre-OT) (B.S) / Occupational Therapy MOT Suggested Course Sequencing

Course #	Course name	Credits	Course #	Course name	Credit
	Semester 1 – Fall			Semester 2 – Spring	S
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
BIOL 185	Human Anatomy and Physiology I	4	BIOL 186	Human Anatomy and Physiology II	4
APHS 170	Concepts of Conditioning	2	Varies	2nd language* (1st or 2nd year)	3
PSYC 101	Introduction to Psychology*	3	COMM 105	Oral Communication*	3
Varies	1st language	3	PSYC 209	Life Span Development	3
	TOTAL	15		TOTAL	16
	Semester 3 – Fall			Semester 4 - Spring	
APHS 215	Chronic Disease and Exercise	3	BIBL 20X	Knowledge of the Bible* (1st or 2nd year)	3
STAT 269	Statistics*	3	HIST	History* (1st or 2nd year)	3
CHEM 103	Chemical Science	4	varies XXX	Art, Music, or Theatre* (1st or 2nd year)	3
APHS 220	Health Promotion Management	3	PSYC 319	Abnormal Psychology	3
Varies	3rd lang. or CrossCultural* (2nd or 3rd year)	3	BIOL189	Genetics for Health Professions	3
			ATHT 203	Medical Terminology and Topics	2
	TOTAL	16		TOTAL	17
	Semester 5 – Fall			Semester 6 - Spring	
NUTR 222	Nutrition Theory	3	THEO 2xx	Christian Beliefs* (2nd or 3rd year)	3
APHS 301	Exercise Physiology	4	APHS 325	Exercise Nutrition and Metabolism	3
ENGL xxx	Literature*	3	APHS 412	Senior Seminar	3
RELI/PHIL	Religion/Philosophy* (1st or 2nd year)	3	IDS xxx	Ethics/Pluralism/World Views* (3rd or 4th year)	3
IDNW xxx	Non-Western Studies* (2nd or 3rd year)	2-3	APHS XXX	APHS Elective	3
	Free Elective	1		Free Elective	3
	TOTAL	16-17		TOTAL	. 18
·	ween Semester 6 and 7 (9 credits)	•			
OCCU 501	Foundations of Occupational Therapy #	3			
OCCU 505	Applied Anatomy #	3			
OCCU 505L		0			
OCCU 508	Enabling Occupations #	3			
	TOTAL	9			

Continued on next page.

Semester 7 – Fall					Semester 8 – Spring			
OCCU 524	Theoretical Perspectives in Occ Therapy #		3	IPEC 500	Interprofessional Education (IPE) Seminar	1		
OCCU 526	Analysis of Occupation #		3	OCCU 530	Research Methods and Design	3		
OCCU 510	Evidence-Based Inquiry #		3	OCCU 553	Common Conditions in OT Practice	3		
OCCU 535	OT Process: Psychosocial Practice #		4	OCCU 555	Neurological Conditions in OT Practice	4		
OCCU 535L	OT Process: Psychosocial Practice Lab #		0	OCCU 555L	Neurological Conditions in OT Practice Lab	0		
OCCU 544	Therapeutic Techniques #		3	OCCU 562	Level I Fieldwork: Pediatric Practice	1		
OCCU 544L	Therapeutic Techniques Lab #		0	OCCU 565	OT Process: Pediatric Practice	4		
				OCCU 565L	OT Process: Pediatric Practice Lab	0		
	TOTAL		16		TOTAL	16		
Summer Bet	ween Semester 8 and 9 (9 credits)							
OCCU 602	Level 1 Fieldwork Adult Practice	1						
OCCU 605	OT Process: Adult Practice	4						
OCCU 605L	OT Process Adult Practice Lab	0						
OCCU 615	Adaptations & Assistive Technology	3						
OCCU 615L	Adaptations & Assistive Technology Lab	0						
	TOTAL 8							

Semester 9 – Fall			Semester 10 – Spring			
OCCU 572	Level I Fieldwork: Community Interventions	2		OCCU 583	Cultural & Global Considerations	2
OCCU 573	Health Promotion in OT: Community Inter	2		OCCU 586	Spirituality, Meaning & Health in Occupation	2
OCCU 623	Administration, Management & Leadership	3	}	OCCU 622	Fieldwork Level II-A	6
OCCU 625	OT Process: Older Adult Practice	4				
OCCU 625L	OT Process: Older Adult Practice Lab	0				
OCCU 630	Research Seminar	3)			
	TOTAL	14	4		TOTAL	10
Summer Afte	er Semester10 (7 credits)					
OCCU 632	Fieldwork Level II-B	6				
OCCU 636	Enrichment Seminar	1				
	TOTAL	7				

^{*}QuEST requirement

Graduate Course that fulfills Undergraduate Requirements (total of 25 credits)

Total UG Credits: 98

Total GR Credits Applied to the Undergraduate Degree: 25
Total Credits in the BS in APHS (Pre-OT) degree 123-124
Unique GR Credits: 55

Total Credits: 178-179 total credits

(total credits required if both degrees are completed: 203)

Applied Health Science (B.S.) with Pre-Physical Therapy Concentration 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits	
First Year – Fall		First Year – Spring				
APHS 170	Concepts of Conditioning	2	APHS 225 or	Research Methods and Statistics or	3	
AFTIS 170	Concepts of Conditioning		STAT 269	Introductory Statistics	J	
BIOL 160	Molecular and Cellular Biology	4	COMM 105	Oral Communication*	3	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3	
PSYC 101	Introduction to Psychology	3	MATH xxx	Math 102, 108 or 111* (1st or 2nd year)	3-4	
Varies	1st language*	3	Varies	2 nd language* (1 st or 2 nd year)	3	
	TOTAL	15		TOTAL	. 15-16	
	Sophomore – Fall			Sophomore – Spring		
APHS 215	Chronic Disease and Exercise	3	APHS 301	Exercise Physiology	4	
Varies	APHS/ATED/HPED elective**	3	BIBL 20x	Knowledge of the Bible* (1st or 2nd year)	3	
CHEM 105	General Chemistry I	4	CHEM 106	General Chemistry II	4	
ENGL xxx	Literature* (1st or 2nd year)	3	HIST 1xx	History* (1st or 2nd year)	3	
Varies	Elective	3	Varies	Non-Western Studies* (2 nd or 3 rd year)	3	
	TOTAL	16		TOTAL	. 17	
	Junior – Fall		Junior – Spring			
APHS 271	Kinesiology	3	APHS 325	Exercise Nutrition and Metabolism	3	
BIOL 382	Microbiology for Health Professions	4	Varies	APHS/ATED/HPED elective**	3	
Varies	PSYC 209, HDFS 210, 311, 312 or GERO 251	3	PHYS 202	Physics	4	
Varies	Art, Music or Theatre* (1st or 2nd year)	3	Varies	3rd language or Cross Cultural* (2nd or 3rd year)	3	
PHYS 201	Physics I	4	THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3	
	TOTAL	17		TOTAL	. 16	
	Senior – Fall	[I <i>I</i>	Senior – Spring			
IDS xxx	Ethics/Pluralism/World Views* (3rd- 4th yr)	3	APHS 412	Senior Seminar	3	
BIOL 385	Physiology	4	BIOL 386	Human Anatomy	4	
Varies	APHS/ATED/HPED elective**	3	RELI/PHIL	Religion/Philosophy* (1st or 2nd year)	3	
Varies	APHS/ATED/HPED elective**	3	Varies	APHS/ATED/HPED elective**	3	
varios	74 HOMEDITI ED GIOGUVO		Varios	74 HOMEDINE ED GIOGRAG		
	TOTAL	13		TOTAL	. 13	

*QuEST requirement

Total Credits: 123

Note: BIOL 382 (Offered every fall and spring odd years only)

^{*}Students must take at least 9 credits of department electives (specific APHS/HPED or ATED courses as listed in the major requirements course of study). These courses range from 2-4 credits. These courses should be chosen in consultation with your academic advisor.

Applied Health Science (B.S.) Pre-Professional Concentration 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
BIOL 160	Molecular and Cellular Biology	4	COMM 105	Oral Communication*	3
APHS 170	Concepts of Conditioning	2	CHEM 106	General Chemistry II	4
CHEM 105	General Chemistry I	4	APHS 225 or STAT 269	Research Methods and Statistics or Introductory Statistics	3
Varies	1st language*	3	Varies	2 nd language* (1 st or 2 nd year)	3
	TOTAL	16		TOTAL	. 16
	Sophomore – Fall			Sophomore – Spring	
APHS 215	Chronic Disease and Exercise	3	BIBL 20x	Knowledge of the Bible* (2 nd or 3 rd year)	3
BIOL 382	Microbiology for Health Professions	4	HIST 1xx	History* (1st or 2nd year)	3
CHEM 204 or CHEM 309	Introduction to Organic Chemistry or Organic Chemistry I	4	APHS 301	Exercise Physiology	4
MATH xxx	MATH 102, 108 or 111 Calculus*	3-4	Varies	Non-Western Studies* (2nd or 3rd year)	3
			PSYC 101	Introduction to Psychology	3
	TOTAL	14-15		TOTAL	. 17
	Junior – Fall			Junior – Spring	1
APHS 271	Kinesiology	3	APHS 325	Exercise Nutrition and Metabolism	3
Varies	PSYC 209, HDFS 210, 311, 312 or GERO 251	3	PHYS 202	Physics	4
Varies xxx	Art, Music or Theatre* (1st or 2nd year)	3	Varies	3 rd language or Cross Cultural* (2 nd or 3 rd year)	3
ENGL xxx	Literature* (1st or 2nd year)	3	Varies	APHS/ATED/HPED elective	3
PHYS 201	Physics	4	RELI/PHIL	Religion/Philosophy* (1st or 2nd year)	3
	TOTAL	16		TOTAL	. 16
	Senior – Fall			Senior – Spring	.,
IDS xxx	Ethics/Pluralism/World Views* (3rd- 4th yr)	3	APHS 412	Senior Seminar	3
THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3	Varies	Electives or Internship	3
Varies	APHS/ATED/HPED elective	3	Varies	Electives	3
BIOL 386	Human Anatomy	4	Varies	Electives	3
	TOTAL	16		TOTAL	. 12

*QuEST requirement 123 credits required to graduate

^{**}Students interested in pursuing medical school should work closely with the Pre-Health advisor and take CHEM 310 Organic Chemistry II (4). In addition, CHEM 410 Biochemistry I (4) is strongly recommended.

Health & Physical Education with K-12 Teacher Certification (B.A.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
IDFY 10x	First Year Seminar*	3	COMM 105	Oral Communication*	3
HPED 201	Foundations of P.E.	1	IDCR 151	Created and Called for Community*	3
HIST 141 or 142	QuEST U.S. History*	3	CIS 171	Problem Solving with Computers	3
ENGL 122-176	QuEST Literature*	3	Varies	QuEST Second Semester of Language*	3
Varies	QuEST MATH/CIS/STAT *	3	WELL 127	Aquatics	1
Varies	QuEST 1st Semester of Language*	3	WELL 1xx	Wellness course option	1
			HPED 236	Med. Aspects of Sport	2
	TOTAL	16		TOTAL	16
Take PA	NPA Exam unless exempt by SAT/ACT Score)	March	31st – Submit clearances to TEP Office in Boyer 4	14
	Sophomore – Fall			Sophomore – Spring	
BIOL 258	Human Biology*	4	EDUC 203 [†]	Educational Psychology*	3
HDFS 210	Child Development	3	EDSP 207 [†]	Intro. to Special Education	3
Varies	QuEST 3 rd Semester of Language*	3	TEP 210 [†]	Sophomore Field Experience (T&R)	0
BIBL 20x	QuEST Encountering the Bible*	3	HPED 224	Personal and Community Health	3
APHS 170	Concepts of Conditioning	2	EDUC 346	Sociocultural Perspectives on Education	3
WELL 1xx	Wellness course option	1	HPED 229	Motor Learning	3
WELL 1xx	Wellness course option	1	APHS 271	Kinesiology	3
	TOTAL	17		TOTAL	18

Apply to TEP in January. Student **MUST** pass the PAPA exam by August 15 prior to their Junior year (non-traditional students: Fall in which they enroll in TEP 310. March 1st-TEP Application Submitted online. Math, CIS, FYS, and Literature must be completed or in process (one of these) in order to enroll in 300 level courses

	Junior – Fall			Junior – Spring	
TEP 310 [†]	Field Experience (Must meet TEP admission requirements)	0	EDUC 308	Instr & Assessment w/Eng Lang	3
EDSP 307 [†]	Inclusion Practices	3	APHS 201	Principles of Exercise Science* (STW)	3
EDUC 331†	Instr Design and Assessment for Middle and Secondary Grades	3	HPED 423	Principles of Admin.	3
HPED 305	Cont. Issues in Health	3	WELL xxx	Wellness Course Option	1
HPED 329	Sport & Society*	3	HPED 309 [‡]	Physical Education Instruction Elem (J-term)	3
Varies	QuEST Philosophy or Religion*	3	HPED 332	Teaching Adapted PE	1
WELL 1xx	Wellness course option	1	WELL 114	Dance and Rhythm Activities	1
Nov	1st – Application for Professional Semester due			TOTAL	4 =
	TOTAL Senior – Fall	16		TOTAL Senior – Spring	15
HPED 312	P.E. Instr. Secondary	3	EDUC 420†	Prof Issues in Educ (J-term)	2
Varies	QuEST Arts/Music/Theater*	3	TEP 431 [†]	Student Teaching HPE – K-12	9
THEO xxx	QuEST Christian Beliefs*	3	TEP 411 [†]	Pre-student Teaching Exp.: HPE	0
Varies	QuEST Non-Western Studies*	2-3	TEP 407 [†]	Student Teaching Seminar	1
HDFS 311	Adolescent Development	3			
	First Aid/CPR Competency	0			
	Take Praxis fall or early spring				
Total	, ,	14-15		TOTAL	12

*QuEST requirement; †Courses must be taken concurrently

NOTE: If a student fails to complete the PAPA requirement by August 15 prior to their junior year, that student will be required to either 1) change majors or 2) stay at Messiah an additional year to complete the curriculum as it is designed.

Nutrition and Dietetics (B.S.) (for students graduating May 2022) 8 Semester Plan

Graduating May 2022, Rev. 1/2018

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
CHEM 105	General Chemistry I	4	CHEM 106	General Chemistry II	4
COMM 105	Oral Communication*	3	Varies	2 nd language* (1 st or 2 nd year)	3
Varies	1st language*	3	NUTR 121	Food and Food Science	3
NUTR 099	Opportunities in Nutrition and Dietetics	1	PSYC 101	Introduction to Psychology *	3
APHS 170	Concepts of Conditioning	2			
	TOTAL	16		TOTAL	16
	Sophomore – Fall			Sophomore – Spring	
BIOL 185	Anatomy and Physiology**	4	BIBL 20x	Knowledge of the Bible* (2nd -4th year)	3
CHEM 204	Introduction to Organic Chemistry**	4	BIOL 186	Anatomy and Physiology II**	4
BUSA 120	Principles of Management	3	STAT 269	Introduction to Statistics*	3
NUTR 222	Nutrition Theory	3	Varies	History meeting QuEST*	3
			Varies	Literature meeting QuEST* (1st or 2nd year)	3
	TOTAL	14		TOTAL	16
	Junior – Fall			Junior – Spring	
BIOL 382	Microbiology	4	NUTR 331	Advanced Food Science & Technology	3
Varies	Non-Western Studies* (2 nd or 3 rd year)	2-3	NUTR 352	Community Nutrition	3
NUTR 322	Nutrition through the Life Cycle	3	PHIL/RELI xxx	Philosophy/Religion* (1st or 2nd year)	3
NUTR 341	Food Service	4	THEO 2XX	Christian Beliefs* (2 nd or 3 rd year)	3
Varies	Elective	3	Varies	3 rd language or Cross Cultural* (2 nd or 3 rd year)	3
	TOTAL	16-17		TOTAL	15
	Senior – Fall			Senior – Spring	7
Varies	Ethics/Pluralism/World Views* (3rd/4th yr)	3	NUTR 412	Medical Nutrition Therapy II	3
NUTR 410	Nutrition Education and Counseling	3	NUTR 426	Nutrient Metabolism & Research Methods II	3
NUTR 411	Medical Nutrition Therapy I	3	Varies	Elective	3
NUTR 425	Nutrient Metabolism & Research Methods I	4	Varies	Elective	3
NUTR 493	Senior Seminar	1	Varies	Arts* (1st or 2nd year)	3
	TOTAL	14		TOTAL	15

^{**}Students may substitute BIOL 160, 166, and 385 for BIOL 185 and 186 and CHEM 309 and 310 for CHEM 204

Nutrition and Dietetics (B.S.) (for students graduating May 2023) 8 Semester Plan

Graduating May 2023, Rev. 1/2018

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
CHEM 105	General Chemistry I	4	CHEM 106	General Chemistry II	4
COMM 105	Oral Communication*	3	Varies	2 nd language* (1 st or 2 nd year)	3
Varies	1 st language*	3	NUTR 121	Food and Food Science	3
NUTR 099	Opportunities in Nutrition and Dietetics	1	PSYC 101	Introduction to Psychology *	3
APHS 170	Concepts of Conditioning	2			
	TOTAL	16		TOTAL	. 16
	Sophomore – Fall			Sophomore – Spring	
BIOL 185	Anatomy and Physiology	4	BIBL 20x	Knowledge of the Bible* (2nd -4th year)	3
CHEM 204	Introduction to Organic Chemistry	4	BIOL 186	Anatomy and Physiology II	4
BUSA 120	Principles of Management	3	STAT 269	Introduction to Statistics*	3
NUTR 222	Nutrition Theory	3	Varies	History meeting QuEST*	3
PHIL/RELI xxx	Philosophy/Religion* (1st or 2nd year)	3	Varies	Literature meeting QuEST* (1st or 2nd year)	3
	TOTAL	15		TOTAL	. 16
	Junior – Fall			Junior – Spring	'
NUTR 322	Nutrition through the Life Cycle	3	NUTR 412	Medical Nutrition Therapy II	3
NUTR 411	Medical Nutrition Therapy I	3	NUTR 426	Nutrient Metabolism & Research Methods II	3
NUTR 425	Nutrient Metabolism & Research Methods I	4	THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3
Varies	Elective	3	Varies	3 rd language or Cross Cultural* (2 nd or 3 rd year)	3
			Varies	Elective	3
	TOTAL	13		TOTAL	15
	Senior – Fall	13		Senior – Spring	เ
BIOL 382	Microbiology	4	Varies	Ethics/Pluralism/World Views* (3 rd /4 th yr)	3
NUTR 341	Food Service	4	Varies	Non-Western Studies* (2 nd or 3 rd year)	2-3
NUTR 410	Nutrition Education and Counseling	3	NUTR 331	Advanced Food Science & Technology	3
NUTR 493	Senior Seminar	1	NUTR 352	Community Nutrition	3
Varies	Elective	3	Varies	Arts* (1st or 2nd year)	3
vancs	LIGULIVE	J	valies	AIG (I OI Z year)	J
	TOTAL	15		TOTAL	14-15

^{**} Students may substitute BIOL 160, 166, and 385 for BIOL 185 and 186 and CHEM 309 and 310 for CHEM 204

Sport Management (B.A.) (students entering Fall 2020) 8 Semester Plan – for starting Even Year

Course #	Course name	Credits	Course #	Course name	Credits	
First Year – Fall			First Year – Spring			
COMM 105	Oral Communication*	3	Varies	1st language*	3	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3	
MATH/CIS/STAT	Mathematical Science* (1st year)	3	HIST 1xx	History* (1st or 2nd year)	3	
PSYC 101	Introduction to Psychology*	3	Varies	Art/Music/Theatre* (1st or 2nd year)	3	
SPMT 110	Sport Management Careers and Content	1	APHS 170	Concepts of Conditioning	2	
BUSA 120	Principles of Management	3	CIS 190	Strategic Use of the Technology	3	
	TOTAL	16		TOTAL	. 17	
	Sophomore – Fall			Sophomore – Spring	·	
Varies	2 nd language* (1 st or 2 nd year)	3	SPMT 211	Economics and Governance in Sports	3	
SPMT 210	Ethics and Law in Sport Management	3	ACCT 242	Managerial Accounting	3	
ACCT 141	Financial Accounting	3	MRKT 130	Marketing Principles	3	
BIOL 258	Human Biology*	4	IDNW xxx	Non-Western Studies* (2nd or 3rd year)	2-3	
Varies	Elective	3	Varies	Elective	3	
	TOTAL	16		TOTAL	. 14-15	
	Junior – Fall			Junior – Spring		
BIBL 20X	Knowledge of the Bible* (1st or 2nd year)	3	Varies	3rd language or Cross Cultural* (2nd or 3rd year)	3	
THEO 2XX	Christian Beliefs* (2nd or 3rd year)	3	APHS 201	Principles of Exercise Science	3	
SPMT 313	Sport Facility and Event Management	3	HPED 329	Sport in Society	3	
INTE 391	Internship	3	SPMT 314	Sponsorship and Marketing in Sport Manage	3	
Varies	Elective	3	SPMT 410	Topics in Sport Management	2	
	TOTAL	15		TOTAL	. 14	
	Senior – Fall	-	Senior – Spring			
PHIL/RELI xxx	Philosophy/Religion* (1st or 2nd year)	3	SPMT 411	Senior Seminar	3	
ENGL 1xx	Literature* (1st or 2nd year)	3	INTE 391	Internship	3	
BUSA 381	Business Law I	3	HPED 423	Principles of Administration	3	
Varies	Electives	4	Varies	Elective	3	
INTE 391	Internship	3	Varies	Elective	3	
	TOTAL	16		TOTAL		

^{*}Note: Many Sport Management courses are offered alternate years. Consult your academic advisor.

Sport Management (B.A.) (students entering Fall 2021)

8 Semester Plan - for starting Odd Years

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall			First Year – Spring		
COMM 105	Oral Communication*	3	Varies	1 st language*	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
MATH/CIS/STAT	Mathematical Science* (1st year)	3	HIST xxx	History* (1st or 2nd year)	3
PSYC 101	Introduction to Psychology*	3	Varies	Art/Music/Theatre* (1st or 2nd year)	3
SPMT 110	Sport Management Careers and Content	1	APHS 170	Concepts of Conditioning	2
BUSA 120	Principles of Management	3	CIS 190	Strategic Use of the Technology	3
	TOTAL	16		TOTAL	. 17
	Sophomore – Fall	10		Sophomore – Spring	. 17
Varies	2 nd language* (1 st or 2 nd year)	3	SPMT 314	Sponsorship and Marketing in Sport Manage	3
SPMT 313	Sport Facility and Event Management	3	ACCT 242	Managerial Accounting	3
ACCT 141	Financial Accounting	3	MRKT 130	Marketing Principles	3
BIOL 258	Human Biology*	4	IDNW xxx	Non-Western Studies* (2 nd or 3 rd year)	2-3
Varies	Elective	3	Varies	Elective	3
Variou		<u> </u>	Variou		
	TOTAL	16		TOTAL	14-15
	Junior – Fall			Junior – Spring	T
BIBL 20X	Knowledge of the Bible* (1st or 2nd year)	3	Varies	3 rd language or Cross Cultural* (2 nd or 3 rd year)	3
THEO 2XX	Christian Beliefs* (2 nd or 3 rd year)	3	APHS 201	Principles of Exercise Science	3
SPMT 210	Ethics and Law in Sport Management	3	HPED 329	Sport in Society	3
INTE 391	Internship	3	SPMT 211	Economics and Governance in Sports	3
Varies	Elective	3	HPED 423	Principles of Administration	3
	TOTAL	15		TOTAL	. 15
	Senior – Fall			Senior – Spring	1
PHIL/RELI xxx	Philosophy/Religion* (1st or 2nd year)	3	SPMT 410	Topics in Sport Management	2
ENGL xxx	Literature* (1st or 2nd year)	3	SPMT 411	Senior Seminar	3
BUSA 381	Business Law I	3	INTE 391	Internship	6
Varies	Electives	4	Varies	Elective	6
	TOTAL	13		TOTAL	. 17

^{*}Note: Many Sport Management courses are offered alternate years. Consult your academic advisor.

III. HISTORY

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Guidelines for Mathematical Sciences Courses

There is no specific math course required for the History major. Familiarity with digital technology is increasingly important for students in the humanities with new developments in the digital humanities majors. Students interested in pursuing digital applications in the humanities should consider taking courses in CIS. The introductory CIS courses to consider include:

CIS 171 Problem Solving with Computers focuses on using computers and software to create reports, images, spreadsheets, web pages, and databases.

CIS 180 Introduction to Computer and Information Science covers both technical and social aspects of computing, including privacy, security, reliability, and ethics.

CIS 181 Introduction to Computer Programming in Python is the introductory programming course for both majors and non-majors.

We recommend students enroll in MATH 101, MATH 102, MATH 107, or CIS 171 in their first year, unless they have had a pre-calculus course; then they should consider MATH 108. Statistical literacy is another important area of mathematical study, and STAT 269 is a course that gives a good introduction to statistical methods and meets the QuEST requirement.

Students with Advanced Placement credit:

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics should go to the math department's website (www.messiah.edu/departments/mathsci/courses/ap_credit.html) to find out how credit is awarded for your scores.

III. History 2020

8 semester plan

History (B.A.)

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall				First Year – Spring	
COMM 105	Oral Communication*	3	Varies	Laboratory Science*	3-4
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
HIST 099	Introduction to History	1	HIST 141/142	U.S. History Survey	3
HIST 101/102/134	Western Civilization*	3	HIST 171/172	World Civilizations	3
HIST 141/142	U.S. History Survey*	3	varies	2 nd semester foreign language*	3
varies	1st semester foreign language*	3	WELL 1xx	Wellness*	1
	TOTAL	16		TOTAL	16-17
	Sophomore – Fall			Sophomore – Spring	
MATH/CIS/STAT	Mathematical Science* meeting QuEST	3	Varies	Science, Tech, & World*	3
HIST 258	Historical Methods	3	HIST 3xx	Upper division history	3
HIST 3xx	Upper division history	3	BIBL 20x	Bible*	3
varies	3 rd semester language or Cross Cultural	3	Varies	Philosophy or Religion meeting QuEST	3
varies	Literature course meeting QuEST*	3	Varies	QuEST arts requirement*	3
	TOTAL	15		TOTAL	15
	Junior – Fall			Junior – Spring	
HIST 3xx	Upper division history	3	HIST 3xx	Upper division history	3
HIST 3xx	Upper division history	3	Varies	Elective	3
THEO 2xx	Christian Beliefs*	3	Varies	Elective	3
Varies	Course meeting QuEST Pluralism/Ethics*	3	Varies	Elective	3
Varies	Elective	3	Varies	Elective	3
Varies	Elective	1		Experiential learning encouraged here	
	TOTAL	16		TOTAL	15
	Senior – Fall			Senior – Spring	
HIST 401	Senior Seminar (Historiography)	3	HIST 3xx	Upper division history	3
HIST 3xx	Upper division history	3	Varies	Elective	3
Varies	Elective	3	Varies	Elective	3
Varies	Elective	3	Varies	Elective	3
Varies	Elective	3	Varies	Elective	3
	TOTAL	15		TOTAL	15

^{*} QuEST requirement

III. History 2020 2

History (B.A.) with Secondary Social Studies Teaching Certification

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
COMM 105	Oral Communication*	3	MATH/CIS/STAT	Mathematical Science*	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
HIST 099	Introduction to History	1	HIST 141/142	U.S. History Survey	3
HIST 101/102/134	Western Civilization*	3	HIST 171/172	World Civilizations	3
HIST 141/142	U.S. History Survey*	3	varies	2 nd semester foreign language*	3
varies	1st semester foreign language*	3			
	TOTAL	16		TOTAL	18
				the three required security clearances thild Abuse, Criminal) by 3/31 to B414.	
	Sophomore – Fall			Sophomore – Spring	
HIST 258	Historical Methods	3	BIBL 20x	Bible*	3
HIST 390/3xx	Teaching History/Upper division history	3	HIST 3xx	Upper division history	3
ENGL 1xx	ENGL 122 to ENGL 175*	3	HIST 3xx	Upper division history	3
EDUC 203	Educational Psychology+	3	HDFS 311	Adolescent Development+	3
EDSP 207	Introduction to Special Education+	3	WELL 1xx	Wellness*	1
TEP 210	Sophomore Field Experience+	0	EDUC 346	Sociocultural Perspectives in Educ	3
varies	3 rd semester language or QuEST arts*	3			
Valloo	TOTAL			TOTAL	16
			Submit Teacher	Education Program application by 3/31	
	Junior – Fall			luniar Carina	
DOLL442		1 0	HIST 3xx	Junior – Spring	2
POLI 113	American Government	3		Upper division history Economics of Social Issues or	3
EDUC 331	Instructional Design and Assessment+	3	ECON 110 or 120	Principles of Macroeconomics	3
EDSP 307	Inclusion Practice+	3	GEOG 103	Regional Geography of the World	3
HIST 3xx	Upper division history	3	Varies	Laboratory Science*	3-4
HIST 390/3xx	Teaching History/Upper division history	3	Varies	3rd semester language or QuEST arts*	3
TEP 310	Junior Field Experience+	0	EDUC 208	Teaching English Language Learners+	3
MATH/STAT or EDUC 209	2 nd Mathematical Science meeting QuEST*	3			
	TOTAL	18		TOTAL	18-19
	Senior – Fall			Senior – Spring	
HIST 401	Senior Seminar (Historiography)	3	TEP 407	Student Teaching Seminar+	1
HIST 3xx	Upper division history	3	EDUC 420	Professional Issues in Education+	2
Varies	Philosophy or Religion meeting QuEST	3	TEP 410	Secondary Pre-Student Teaching Exp.+	0
Varies	QuEST arts requirement*	3	TEP 435	Student Teaching: Secondary +	9
THEO 2xx	Christian Beliefs*	3	1	Cadonic rodoning. Occordary	3
Varies	Science, Tech, & World*	3			
valles	Golding, redit, & World	J			
	TOTAL	18		TOTAL	12

^{*} QuEST requirement

- 1. **Sophomore Year** (Fall or Spring Semester): EDUC 203, EDSP 207, and TEP 210
- 2. **Junior Year** (Fall or Spring Semester): EDUC 331, EDSP 307, and TEP 310
- 3. Senior Year (Spring Semester): EDUC 420, TEP 407, TEP 410, TEP 435

Note also that EDUC 203 is a prerequisite for HDFS 311

III. History 2020 3

⁺ Teacher education requirement. Note that these courses are co-requisite and should be taken during the same semester:

x Strongly encouraged but not required

III. HUMAN DEVELOPMENT & FAMILY SCIENCE

Contents

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Guidelines for Mathematical Science Courses

Human Development and Family Science majors:

All students in the Human Development and Family Science major must take STAT 269, which is usually taken in the fall of the sophomore year. Students who have a weak background in algebra should consider taking MATH 101 or MATH 102 in their first year in preparation for STAT 269.

Family and Consumer Sciences Education Majors:

All students in this major must take two mathematical science courses: CIS 171 (Problem Solving with Computers) and STAT 269 (Introductory Statistics) by the conclusion of the sophomore year.

8-Semester Plan

Family and Consumer Sciences Education with K-12 Teaching Certification (B.S) for students with an odd year start

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall (odd yr)			First Year – Spring (even yr)	
COMM 105	Oral Communication*	3	HDFS 253	Community Service for Individuals & Families	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	
Varies	1st language*	3	ENGL 1xx	Literature meeting QuEST*	3
HDFS 099	Opportunities in HDFS (Recommended, not required)	1	CIS 171	Problem Solving with Computers+	3
HDFS 101	Foundations of Marriage and Family	3	Varies	2 nd Semester Language*	3
NUTR 110	Science and Nutrition*	3	NUTR 121	Food and Food Science	3
WELL 1xx	Wellness*	1	Submit the 3	3 required security clearances (FBI, Child	
	TOTAL	17		Criminal) by 3/31 to B414 –TEP Office TOTAL	. 18
	Sophomore –Fall (even yr)			Sophomore – Spring (odd yr)	•
Varies	3 rd Semester Language*	3	EDUC 346	Sociocultural Perspectives on Education	3
EDUC 203	Educational Psychology**	3	ART 334	Wearable Art*	3
EDSP 207	Introduction to Special Education**	3	BIBL 2xx	Knowledge of the Bible*	3
TEP 210	Sophomore Field Experience**	0	HDFS 339	Dynamics of Family Interaction	3
STAT 269	Introductory Statistics+	3	HDFS 210	Child Development	3
HDFS 236	Textile Construction	1	NUTR 331	Advanced Food Science and Technology	3
HDFS 237	Interior Design	1		7.5	
HDFS 245	Family Resource Management	3			
BUSA 115	Personal Money Management	1	Submit Teach	her Education Program application by 3/31	
	TOTAL	18		to B414-TEP Office TOTAL	. 18
	Junior – Fall (odd yr)			Junior – Spring (even yr)	
EDSP 307	Inclusion Practices**	3	HDFS 244	Human Sexuality	3
HDFS 307	FCS Curriculum and Instruction I**	2	HDFS 345	Parenting	3
HDFS 272	Research Methods and Analysis in HDFS	3	Varies	Ethics*^ (required for CFLE)	0-3
EDUC 331	Instructional Design and Assessment**'	3	THEO XXX	Christian Beliefs*	3
HDFS 451	Early Childhood Administration & Practice	2	PHIL/RELI xx	x Philosophy/Religion*	3
HDFS 452	Early Childhood Administration & Practice Experience	1			
TEP 310	Junior Field Experience**	0			
HDFS 311	Adolescent Development	3			
	TOTAL	17			
Submit Profes	ssional Semester application by 11/1 to Book Office	414-TEP		TOTAL	. 12-15
	Senior – Fall (even yr)			Senior – Spring (odd yr)	
EDUC 208	Teaching English Language Learners	3	EDUC 420	Professional Issues in Education**"	2
HIST xxx	History meeting QuEST*	3	TEP 407	Student Teaching Seminar**"	1
HDFS 378,383, 384, 386	One HDFS 300-level from this list	3	TEP 410	Secondary Pre-Student Teaching Experience***	0
HDFS 355	Marital and Couple Relationships	3	TEP 435	Student Teaching**"	9
HDFS 494	HDFS Seminar	3		Ottagonic Todoning	
Varies	Non-Western Studies*	2-3			
	TOTAL	17-18		TOTAL	. 12

⁺ Students must complete 6 credits of math and 6 credits of English before the completion of the second academic year. The 6 credits of math are met through STAT 269 and CIS 171. The six credits of English are completed via IDFY 101 and a literature course, from approved list. Writing intensive courses are IDFY 101 and IDCR 151.

^{**}All courses marked with this symbol must be taken concurrently as indicated.

^{&#}x27;Requires admission into the Teacher Education Program3.0 grade point average is required for admission into the Teaching Program (fall semester of the students' junior year) and also for admission to the Professional Semester (spring semester of the students' senior year) "Requires admission to the Professional Semester (students may not register for additional courses)

[^]HDFS 340 Ethics and Families fulfills the QuEST Ethics requirement; students may select other courses meeting QuEST Ethics.

Family and Consumer Sciences Education with K-12 Teaching Certification (B.S) for students with an even year start

Course #	Course name	Credits	Course #	Course name		Credits
	First Year – Fall (even yr)			First Year – Spring (odd yr)		
IDFY 101	First Year Seminar*	3	COMM 105	Oral Communication*		3
Varies	1st language*	3	IDCR 151	Created and Called for Community*		3
BUSA 115	Personal Money Management	1	ENGL 1xx	Literature meeting QuEST*		3
HDFS 099	Opportunities in HDFS (Recommended, not required)	(1)	CIS 171	Problem Solving with Computers+		3
HDFS 101	Foundations of Marriage and Family*	3	Varies	2 nd Semester Language*		3
HDFS 236	Textile Construction	1	NUTR 121	Food and Food Science		3
HDFS 237	Interior Design	1				
NUTR 110	Science and Nutrition*	3				
Varies	Wellness*	1	Submit the 3	required security clearances (FBI, Child		
	TOTAL	16-17		riminal) by 3/31 to B414 –TEP Office	TOTAL	18
	Sophomore –Fall (odd yr)		,	Sophomore – Spring (even yr)	,	
Varies	3 rd Semester Language*	3	ART 334	Wearable Art*		3
EDUC 203	Educational Psychology**	3	BIBL 2xx	Knowledge of the Bible*		3
EDSP 207	Introduction to Special Education**	3	EDUC 346	Sociocultural Perspectives on Education	n	3
HDFS 244	Human Sexuality	3	HDFS 253	Community Service for Individuals & Fa		3
HDFS 245	Family Resource Management	3	HDFS 210	Child Development		3
STAT 269	Introductory Statistics+	3	11101 0 210	Offina Bovolopinione		
TEP 210	Sophomore Field Experience**	0				
161 210	Coprioritore Field Experience	· · · ·	Submit Teach	er Education Program application by 3/31		
	TOTAL	18	Submit reach	to B414-TEP Office	TOTAL	15
	Junior – Fall (even yr)	10		Junior – Spring (odd yr)	IOIAL	10
EDSP 307	Inclusion Practices**	3	HDFS 339	Dynamics of Family Interaction		3
EDUC 331	· •	3	HDFS 345	Parenting		3
	Instructional Design and Assessment**					
HDFS 272	Research Methods and Analysis in HDFS	3	PHIL/RELI xxx			3
HDFS 307	FCS Curriculum and Instruction I**	2	THEO XXX	Christian Beliefs*		3
HDFS 378,383,	One HDFS 300-level selective from this	3	Varies	Ethics*^ (required for CFLE)		(3)
384, 386	list.	^	NUITO 224	Advanced Feed Colores and Technolog		
HDFS 311	Adolescent Development	3	NUTR 331	Advanced Food Science and Technological	gy	3
TEP 310	Junior Field Experience**	0				
	TOTAL	17				
Submit Profes	ssional Semester application by 11/1 to B4 Office	114-TEP			TOTAL	15-18
	Senior – Fall (odd yr)			Senior – Spring (even yr)		
EDUC 208	Teaching English Language Learners	3	TEP 407	Student Teaching Seminar**"		1
HIST 1xx	History meeting QuEST*	3	·•	Secondary Pre-Student Teaching Experie	nco**"	0
	Early Childhood Administration and		·•	Secondary Fre-Student reaching Expense Student Teaching**"	FILCE	9
HDFS 451	Practice	2	121 400	Student readining		J
HDFS 452	Early Childhood Administration & Practice Experience	1	EDUC 420	Professional Issues in Education**"		2
HDFS 355	Marital and Couple Relationships	3				
HDFS 494	HDFS Seminar	3				
IDNW xxx	Non-Western Studies*	2-3				
	TOTAL	17-18			TOTAL	15

⁺ Students must complete 6 credits of math and 6 credits of English before the completion of the second academic year. The 6 credits of math are met through STAT 269 and CIS 171. The six credits of English are completed via IDFY 101 and a literature course, from approved list. Writing intensive courses are IDFY 101 and IDCR 151.

^{**}All courses marked with this symbol must be taken concurrently as indicated.

^{&#}x27;Requires admission into the Teacher Education Program3.0 grade point average is required for admission into the Teaching Program (fall semester of the students' junior year) and also for admission to the Professional Semester (spring semester of the students' senior year) "Requires admission to the Professional Semester (students may not register for additional courses)

[^]HDFS 340 Ethics and Families fulfills the QuEST Ethics requirement; students may select other courses meeting QuEST Ethics.

Human Development and Family Science (B.A) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
First Year – Fall		First Year - Spring			
HDFS 101	Foundations of Marriage & Family	3	IDCR 151	Created and Called for Community*	3
HDFS 142	Intro to Interpersonal Relations	3	COMM 105	Fundamentals of Oral Communication*	3
HDFS 099	Opportunities in HDFS (recommended, not required)	(1)	Varies	Art, Music, Theatre or Dance**	3
IDFY 101	First Year Seminar	3	Varies	2 nd Language meeting QuEST*	3
Varies	Lab Science* (NUTR 110 preferred)	3-4	HDFS 210	Child Development	3
Varies	1st language meeting QuEST*	3			
	TOTAL	15-17		TOTAL	15
	Sophomore –Fall			Sophomore – Spring	
HDFS 244	Human Sexuality	3	HDFS 253	Community Services - Individuals & Families	3
HDFS 245	Family Resource Management	3	BIBL 2xx	Encountering the Bible/OT/NT*	3
HDFS 311	Adolescent Development	3	HDFS 345	Parenting	3
Varies	3 rd Language or Cross Cultural*	3	Varies	Literature meeting QuEST*	3
WELL 1xx	Wellness*	1	GERO 232 or	Sociology of Aging (spr. even yrs) OR	
STAT 269	Introductory Statistics	3	GERO 231 or GERO 251	Psychology of Aging (fall even yrs) OR	3
	TOTAL	16	GERU 201	Biology, Nutrition & Healthy Aging (spr. odd) TOTAL	15
	Junior – Fall	10		Junior – Spring	15
HDFS 355	Marital and Couple Relationships	3	Varies	Science, Technology and World*	3
HDFS 339	Dynamics of Family Interaction	3	HDFS 340	Ethics & Families	3
HDFS 378 or	Latino Families OR	3	HDFS 312	Adult Development	3
HDFS 383 or	Topics in Multicultural Family Studies OR	J	1101 0 012	Addit Development	J
HDFS 386	Family Ethnicity and Human Services				
		3	HDFS 391 or	Family Service Practicum OR	1-3
HIST 1xx	History*		GERO 391	Aging Practicum	
HDFS 272	Research Methods and Analysis in HDFS	3	PHIL/RELI xxx	Philosophy/Religion Elective*	3
			Varies	Non-Western Studies*	2-3
	TOTAL	15		TOTAL	18
	Senior – Fall	,		Senior – Spring	
HDFS 442	Strategies of Family Life Education	3	THEO xxx	Christian Beliefs meeting QuEST*	3
HDFS 494	HDFS Seminar	3	INTE 394	Internship	4-12
	Electives	6-7		Electives OR Study Abroad	3-12
	TOTAL	12-18		TOTAL	12-18

III. MODERN LANGUAGES

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Curriculum for Study Abroad

Chinese Studies Major

Pre-requisite CHIN 202. Students should complete 12-15 credits of approved Chinese language courses and zero to three credits of Chinese literature, history, culture, art history, philosophy, or political science during the semester in CIEE Shanghai, China. These courses should be directly related to the target culture. Students should confirm with the Department of Modern Languages that the courses they select are approved for the Chinese major.

French Major

Pre-requisite FREN 206. Students should complete 12-18 credits of approved courses during the semester in Paris, France or Strasbourg, France. Students must take at least one course in French language, and should select the rest from among courses in literature, history, culture, art history, philosophy, or political science. These courses should be directly related to the target culture. Students should confirm with the Department of Modern Languages that the courses they select are approved for the French major.

Spanish Major

Pre-requisite SPAN 206. Students should complete 12-18 credits of approved Spanish courses during the semester at the Pontificia Universidad Católica de Valparaíso, Chile or Universidad de Granada, Spain. Students must take at least one Spanish language and one Spanish literature course (Latin American or Spanish peninsular), and should select among courses in literature, history, culture, art history, philosophy, or political science. These courses should be directly related to the target culture. Students should confirm with the Department of Modern Languages that the courses selected are approved for the Spanish major.

8 Semester Plans

Chinese Studies 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
CHIN 101	Fundamentals of Chinese	3	CHIN 102	Fundamentals of Chinese	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
MATH/CIS/STAT	Math course meeting QuEST*	3	PHIL/RELI	Philosophy/Religion*	3
COMM 105	Foundations of Oral Communication*	3	WELL 1xx	Wellness course*	1
Varies	1st Social Science or History*	3	Varies	Literature meeting QuEST*	3
			Varies	2 nd Social Science or History*	3
	TOTAL	15		TOTAL	16
	Sophomore –Fall			Sophomore – Spring	
CHIN 201	Intermediate Chinese	3	CHIN 202	Intermediate Chinese II	3
BIBL 2xx	Encountering the Bible*	3	Varies	2 nd Major elective	3
Varies	1st Major elective	3	Varies	Elective or minor	3
Varies	Elective or minor	3	Varies	Elective or minor	3
Varies	Elective or minor	3	Varies	Elective or minor	3
	TOTAL	15		TOTAL	15
	Junior – Fall Semester Abroad			Junior – Spring	
CHIN 301	Advanced Conversational Chinese	3		Chinese courses (Students must discuss course selections with their advisor)	15
Varies	Ethics/Pluralism/World Views*	3			
Varies	3rd Major elective	3			
	Art/Music/Theatre/Dance* (1st or 2nd year)	3			
	Elective or minor	3			
	TOTAL	15		TOTAL	15
	Senior – Fall			Senior – Spring	
	Advanced Chinese Writing	3	Varies	Science/Technology/World*	3
	Modern Language Seminar**	3	THEO xxx	Christian Beliefs*	3
	Laboratory Science*	3-4	Varies	Elective or minor	3
	Elective or minor	3	Varies	Elective or minor	3
Varies	Elective or minor	3	Varies	Elective or minor	3
	TOTAL	15-16		TOTAL	15

^{*}QuEST requirement
**LANG 493 must be taken in the fall semester of the senior year.

Chinese with Teaching Certification (B.A) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
COMM 105	Fundamentals of Oral Communication*	3	PHIL/RELI	Philosophy/Religion meeting QuEST *	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
CHIN 101	Fundamentals of Chinese	3	CHIN 102	Fundamentals of Chinese	3
MATH/CIS/STAT	Mathematical Sciences meeting QuEST *	3	MATH/CIS/STAT	Mathematical Science meeting QuEST *	3
HIST 1xx	History meeting QuEST*	3	ENGL 1xx	Literature (ENGL 122 to 176)	3
			WELL 1xx	Wellness course*	1
	TOTAL	15		TOTAL	16
	Sophomore –Fall			Sophomore – Spring	•
EDSP 207**	Intro to Special Education	3	EDUC 208	ELL Instruction and Assessment	3
EDUC 346	Sociocultural Perspectives on Education	3	CHIN 202	Intermediate Chinese II	3
EDUC 203**	Education Psychology	3	Varies	1st major elective	3
TEP 210**	Sophomore Field Experience	0	BIBL 2xx	Encountering the Bible*	3
CHIN 201	Intermediate Chinese I	3	Varies	Science, Tech, & the World*	3
Varies	Laboratory Science meeting QuEST*	3-4			
	TOTAL	15-16			15
	Junior – Fall			Junior – Spring Semester Abroad	•
Varies	Art, Music, Theatre or Dance meeting QuEST*	3		Chinese courses (Students must discuss course selections with their advisor)	15
CHIN 301	Advanced Conversational Chinese	3			
Varies	2 nd major elective	3			
Varies	Christian Beliefs*	3			
HDFS 311	Adolescent Development	3			
	TOTAL	15		TOTAL	15
	Senior – Fall			Senior – Spring	
CHIN 302	Advanced Chinese Writing	3	EDUC 420**	Professional Issues in Education	2
EDSP 307**	Inclusion Practices	3	TEP 407**	Student Teaching Seminar	1
EDUC 331**	Instructional Design and Assessment	3	TEP 410	Pre-student teaching experience	0
TEP 310**	Junior Field Experience	0	TEP 435**	Student Teaching: Secondary	8
LANG 320**	Foreign Language Teaching Methodology	3		<u> </u>	
LANG 493**	Modern Language Seminar	3			
	TOTAL	15		TOTAL	13

*QuEST requirement

NOTE: CHIN 320 is required for Chinese with Teaching certification majors. The course is offered infrequently, and students/advisors should make a point to include it into their schedule when it is offered.

^{3.0} GPA is required for admission to Teacher Education Program and Professional Semester.

^{**}EDSP 207, EDUC 203, TEP 210 must be taken concurrently in the sophomore year.

^{**}EDSP 307, EDUC 331, TEP 310 Chinese Education students are advised to take the junior block during the fall of their senior year.

^{**}LANG 320, LANG 493 must be taken in the fall semester of the senior year.

^{**}EDUC 420, TEP 435, TEP 407, TEP 410 must be taken concurrently in the spring semester of the senior year. Students may not take additional classes in the spring semester of the senior year.

French (B.A.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
FREN 101	Fundamentals of French	3	FREN 102	Fundamentals of French	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
COMM 105	Fundamentals of Oral Communication*	3	PHIL/RELI	Philosophy/Religion meeting QuEST*	3
MATH/CIS/STAT	Mathematical Science meeting QuEST*	3	WELL 1xx	Wellness course*	1
Varies	1st Social Science/History meeting QuEST*	3	Varies	2 nd Social Science/History meeting QuEST*	3
			Varies	Elective or minor	3
	TOTAL	15		TOTAL	16
	Sophomore –Fall			Sophomore – Spring	
FREN 201	Intermediate French	3	Varies	Non-western Studies*	2-3
IDST xxx	Science, Tech, & World*	3	FREN 206	French Culture and Language	3
BIBL 2xx	Encountering the Bible*	3	FREN 3xx	Upper language level	3
BIO/CHEM	Laboratory Science	3-4	Varies	Christian Beliefs*	3
Varies	Elective or minor	3	Varies	Elective or minor	3
			Varies	Elective or minor	3
	TOTAL	15-16		TOTAL	18
	Junior – Fall Semester Abroad	'		Junior – Spring	
Fifteen (15) cred	lits of Approved French courses through the IS	SA	Varies	Art, Music, Theatre or Dance meeting QuEST*	3
program in Paris	s, France or Strasbourg, France. Students may	y select	Varies	Ethics/Pluralism/World Views*	3
among a variety	of humanities courses that may include gram	mar,	FREN 3xx	Upper language level	3
	, art history, or political science. Students sho		FREN 3xx	Upper language level	3
confirm with the approved for the	Department of Modern Languages that the co	ourses are	Varies	Elective or minor	3
approvod for the	TOTAL	15		TOTAL	15
	Senior – Fall			Senior – Spring	
FREN 3xx	Upper language level	3	FREN 3xx	Upper language level	3
LANG 493	Modern Language Seminar**	3	Varies	Elective or minor	3
Varies	Literature meeting QuEST*	3	Varies	Elective or minor	3
Varies	Elective or minor	3	Varies	Elective or minor	3
Varies	Elective or minor	3	Varies	Elective or minor	3
	TOTAL	15		TOTAL	15

^{*}QuEST requirement
**LANG 493 must be taken in the fall semester of the senior year.

French with Teaching Certification (B.A) 8 Semester Plan

_ "	Ta .		2 "	T _a	
Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall	·····		First Year - Spring	
COMM 105	Foundations of Oral Communication*	3	PHIL/RELI	Philosophy/Religion meeting QuEST*	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
FREN 101	Fundamentals of French	3	FREN 102	Fundamentals of French	3
MATH/CIS/STA	1st Mathematical Science meeting QuEST*	3	MATH/CIS/STAT	2 nd Mathematical Science*	3
HIST 1xx	History meeting QuEST*	3	ENGL122-176	Literature meeting QuEST*	3
			WELL 1xx	Wellness course*	1
	TOTAL	15		TOTAL	. 16
	Sophomore –Fall			Sophomore – Spring	'
EDSP 207**	Intro to Special Education	3	Varies	Non-western Studies*	2-3
EDUC 346	Sociocultural Perspectives on Education	3	EDUC 208	Teaching English Language Learners	3
EDUC 203**	Education Psychology	3	FREN 206	French Culture and Language	3
TEP 210**	Sophomore Field Experience	0	FREN 3xx	Upper language level	3
FREN 201	Intermediate French	3	BIBL 2xx	Encountering the Bible*	3
Varies	Laboratory Science meeting QuEST*	3-4	Varies	Science, Tech & the World*	3
	TOTAL	4E 4G		TOTAL	47.40
	TOTAL Junior – Fall Semester Abroad	15-16		TOTAL Junior – Spring	17-18
Eiftoon (15)	credits of approved French courses through the	ho ISA	Varies	Art, Music, Theatre, or Dance meeting QuEST*	3
	aris, France. Students may select among a va		FREN 3xx	Upper language level	3
	urses that may include grammar, literature, hi		FREN 3xx	Upper language level	3
	political science. Students should confirm with		Varies	Christian Beliefs*	3
	Modern Languages that the courses are app		HDFS 311	Adolescent Development	3
Dopartinont of	the French major.	10000 101	Varies	Ethics/Pluralism/World Views*	3
	the French major.		varies	Ethics/Pluralism/world views	ა
	TOTAL	15		TOTAL	. 18
	Senior – Fall			Senior – Spring	•
EDSP 307**	Inclusion Practices	3	TEP 407**	Student Teaching Seminar	1
EDUC 331**	Instructional Design	3	TEP 410	Pre-student Teaching Experience	0
TEP 310**	Junior Field Experience	0	EDUC 420**	Professional Issues in Education	2
LANG 320**	Foreign Language Teaching Methodology	3	TEP 435**	Student Teaching: Secondary	9
LANG 493**	Modern Language Seminar	3		***************************************	
FREN 3xx	Upper language level	3			
	TOTAL	15		TOTAL	. 12
	IUIAL	*0 505	1	IOIAL	. 14

*QuEST requirement

^{3.0} GPA is required for admission to Teacher Education Program and Professional Semester.

^{**}EDSP 207, EDUC 203, TEP 210 must be taken concurrently in the sophomore year.

^{**}EDSP 307, EDUC 331, TEP 310 French Education students are advised to take the junior block during the fall of their senior year.

^{**}LANG 320, LANG 493 must be taken in the fall semester of the senior year.

^{**}EDUC 410, 420, TEP 435, TEP 407, must be taken concurrently in the spring semester of the senior year. Students may not take additional classes in the spring semester of the senior year.

Spanish (B.A) 8-Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
COMM 105	Foundations of Oral Communication*	3	SPAN 102	Fundamentals of Spanish	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
SPAN 101	Fundamentals of Spanish	3	PHIL/RELI	Philosophy/Religion meeting QuEST*	3
MATH/CIS/STAT	Mathematical Science meeting QuEST*	3	Varies	1st History or Social Science meeting QuEST*	3
WELL 1xx	Wellness*	1	Varies	Elective or minor	3
	TOTAL	17		TOTAL	16
	Sophomore –Fall			Sophomore – Spring	
SPAN 201 or SPAN 203	Intermediate Spanish Spanish for Healthcare Professionals	3	SPAN 302 or 305	Culture & Identity in Latin America(meets NW) Latin American Plays of Protest (meets NW)	3
Varies	Laboratory Science meeting QuEST*	3-4	Varies	Art, Music, Theatre, or Dance meeting QuEST*	3
BIBL 2xx	Encountering the Bible*	3	SPAN 206	Spanish Conversation and Composition	3
Varies	Science, Technology, and the World*	3	Varies	2 nd History or Social Science meeting QuEST*	3
Varies	Elective or minor	3	Varies	Literature meeting QuEST* (SPAN 301, 311, 314 or 331)	3
	TOTAL	15-16		TOTAL	15
	Junior – Fall Semester Abroad [^]			Junior – Spring	
Varies	Latin American or Spanish peninsular literature	3	Varies	Ethics/Pluralism/World Views	3
Varies	Grammar/literature/history/art history/poli	3	SPAN 3xx	SPAN 311, 312, 314 (Peninsular)	3
Varies	Grammar/literature/history/art history/poli	3	SPAN 3xx	Second course from SPAN 301, 302, 305, 306 (Latin American)	3
Varies	Grammar/literature/history/art history/poli	3	THEO 2xx	Christian Beliefs*	3
Varies	Grammar/literature/history/art history/poli	3	Varies	Elective or minor	3
	TOTAL	15		TOTAL	15
	Senior – Fall			Senior – Spring	
LANG 493**	Modern Language Seminar	3	Varies	SPAN 316, 320, 331	3
SPAN 3xx	2 nd course SPAN 311, 312, 314 (Peninsular)	3	Varies	Elective or minor	3
Varies	Nonwestern if student did not take SPAN 302 or 305.	3	Varies	Elective or minor	3
Varies	Elective or minor	3	Varies	Elective or minor	3
Varies	Elective or minor	3	Varies	Elective or minor	3
	TOTAL	15		TOTAL	15

^{*}QuEST requirement

**LANG 493 must be taken in the fall semester of the senior year.

^ Students should confirm with the Department of Modern Languages that the courses that they select are approved for the Spanish major.

Spanish with Teaching Certification (B.A) 8-Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
COMM 105	Fundamentals of Oral Communication*	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*	3	SPAN 102	Fundamentals of Spanish	3
SPAN 101	Fundamentals of Spanish	3	MATH/CIS/STAT	2 nd Mathematical Science*	3
MATH/CIS/STAT	1st Mathematical Sci. meeting QuEST*	3	ENGL 1xx	ENGL 122-176 Literature meeting QuEST *	3
HIST 1xx	History meeting QuEST	3	WELL 1xx	Wellness course*	1
			PHIL/RELI	Philosophy/Religion meeting QuEST	3
	TOTAL	15		TOTAL	_ 16
	Sophomore –Fall			Sophomore – Spring	
EDSP 207**	Intro to Special Education	3	Varies	Non-western Studies* (Span 302 & 305)	2-3
EDUC 201	Education and American Society	3	EDUC 208	Teaching English Language Learners	3
EDUC 203**	Education Psychology	3	SPAN 206	Conversation/Composition	3
TEP 210**	Sophomore Field Experience	0	SPAN 3xx	Advanced Level Spanish (Peninsular)	3
SPAN 201	Intermediate Spanish	3	SPAN 3xx	Advanced Level Spanish (L.A.)	3
Varies	Laboratory Science*	3-4	BIBL 2xx	Encountering the Bible*	3
	TOTAL	15-16		TOTAL	_ 17-18
	Junior – Fall Study Abroad^			Junior – Spring	
Varies	Latin American or Peninsular literature	3	Varies	Art, Music, Theatre, or Dance meeting QuEST*	3
Varies	Grammar/literature/history/art history/poli	3	SPAN 3xx	Advanced Level Spanish (Latin American/Pen)	3
Varies	Grammar/literature/history/art history/poli	3	SPAN 3xx	Advanced Level Spanish (SPAN 331, 316 or 320)	3
Varies	Grammar/literature/history/art history/poli	3	THEO 2xx	Christian Beliefs*	3
Varies	Grammar/literature/history/art history/poli	3	HDFS 311	Adolescent Development	3
	TOTAL	15		TOTAL	_ 15
	Senior – Fall	10		Senior – Spring	- 10
EDSP 307**	Inclusion Practices	3	TEP 407**	Student Teaching Seminar	1
Varies	Science, Tech, & the World*	3	TEP 410	Pre-student Teaching Experience	0
EDUC 331**	Instructional Design	3	EDUC 420**	Professional Issues in Education	2
TEP 310**	Junior Field Experience	0	TEP 435**	Student Teaching: Secondary	9
LANG 320**	FL Teaching Methodology	3	12. 100	Occurry.	
LANG 493**	Modern Language Seminar	3			
SPAN 3xx	Advanced Level Spanish	3			
O. 7.11 OAA	TOTAL	18		TOTAL	. 12

*QuEST requirement

^{3.0} GPA is required for admission to Teacher Education Program and Professional Semester.

^{**}EDSP 207, EDUC 203, TEP 210 must be taken concurrently in the sophomore year.

^{**}EDSP 307, EDUC 331, TEP 310 Spanish Education students are advised to take the junior block during the fall of their senior year.

^{**}LANG 320, LANG 493 must be taken in the fall semester of the senior year.

^{**}EDUC 420, TEP 410, TEP 435, TEP 407 must be taken concurrently in the spring semester of the senior year.

Students may not take additional classes in the spring semester of the senior year.

[^] Students should confirm with the Department of Modern Languages that the courses that they select are approved for the Spanish major.

III. MUSIC

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Program Requirements and Procedures Applied Music Juries

- 1. All music majors, except those in the Music (Business) and Music (Music and Worship) degrees, will perform a jury in their applied performance area at the end of each semester in which they are registered for applied lessons.
- 2. The jury will be graded, and the grade will comprise up to one third of the final applied music grade.

3. Students who perform a recital will be excused from that semester's jury.

Recitals

- 1. The Senior Recital is required for all music majors, except those in the Music (Business) and Music (Music and Worship) degrees. Seniors in the B.M. in Performance degree must present a full solo recital (approximately 60 minutes worth of music). Seniors in other music majors must present a half solo recital or joint recital (approximately 30 minutes of music per performer), though they may present a full solo recital with the approval of faculty.
- 2. All music education majors must perform their Senior Recital in the fall semester or in J-Term.
- 3. Juniors in the B.M. in Performance must present a joint recital or solo half recital (approximately 30 minutes) though they may present a full solo recital with the approval of faculty.
- 4. Additional recitals by music majors, and recitals by non-majors, require the approval of the music faculty.
- 5. A recital hearing is required for final permission for a student to perform in a recital on campus, whether the recital is required or optional. It is required to be completed three weeks before the recital date with two music faculty members present. The recitalist will perform pieces from his/her program on request. If the hearing is not passed, the recital will be postponed until the student is deemed prepared to present the program.

Scheduling Procedures for Concert Attendance and Recitals

- 1. The Department of Music Administrative Assistant coordinates scheduling of student performances.
- 2. Each student performer is responsible for scheduling his/her performance. Concert Attendance performances are scheduled online through the Department of Music website. Concert Attendance performance information must be submitted by noon on the **Monday** before the requested performance date.
- 3. Recitals are scheduled in March for the succeeding academic year. Students must make their request by filling out a form provided by the Department of Music Administrative Assistant.
- 4. For all programs the following information is required:
 - complete title of selection(s)
 - identifying opus number (or cataloguer's number)
 - composer's full name
 - composer's dates
 - individual movements for extended works in more than one movement.

Concert Attendance

- 1. All music majors with the exception of Music (Business) and Music (Music &Worship) will enroll in MUSI 001, Concert Attendance, each semester, except when student teaching. Although no credit is given for this course, a grade of Pass/Fail will be given and will appear on the transcript.
- 2. At the beginning of each semester, students will be given a schedule of Wednesday meetings of Concert Attendance (generally 6 per semester) which students are required to attend, and at which, attendance will be taken. Additionally, students will be required to choose and attend any 8 departmentally approved performances (in which they are not a performer) each semester.

3. Students are excused from a required Wednesday meeting of Concert Attendance for illness or emergency only. Absences must be excused by the Co-Chair of the Department of Music in charge of the course.

First Year Evaluation

- 1. All students in the Department of Music at Messiah University will be subject to the First Year Evaluation.
- 2. This comprehensive assessment of the first two semesters will be conducted by the Music Faculty in order to review progress in the areas of musicianship, academic performance, and suitability to the profession. The Evaluation will occur after grades for the spring semester are entered.
- 3. More specifically, this evaluative process will consider grades earned in music courses and grades earned on semester juries as well as performance and professionalism in departmental ensembles and other organizations.
- 4. Students experiencing problems in the aforementioned areas will meet with their academic advisor and/or a representative panel of faculty members to devise strategies for improvement early in the fall of the second year as a music major
- 5. If the student is unable to correct issues raised by the faculty in a predetermined period of time, another meeting with the academic advisor will be scheduled to discuss options outside of the music major.

Piano Proficiency Exam

All music majors, except those in the Music (Business) and Music (Music and Worship) degrees, will register for Keyboard I in order to prepare for the Piano Proficiency Exam. Students who successfully pass the Piano Proficiency Exam at the end of the Fall semester will fulfill the other keyboard credit with any music course. Students who do not pass (or attempt) the Piano Proficiency exam in the fall will register for Keyboard II in the Spring semester. Students who do not pass the Piano Proficiency Exam at the end of the Spring Semester, will register for MUAP Piano lessons until the exam is passed at the end of their Sophomore year or second year as a music major. Students are allowed three attempts to pass the Piano Proficiency Exam.

Ensemble Requirements for All Music Majors

All Music Majors (B.A. / B.S. / B.M) are required to earn a specific number of credits in music ensembles (MUEN) to fulfill graduation requirements, based on degree type and concentration.

Major	MUEN	Special Notes
	cr req'd	
Music (B.A) Composition	6	The distribution of the 6 credits is listed below
Music (B.A.) Commercial	6	Distribution by applied performance area (listed below)
& no concentration		
Music (Business) (B.A.)	.5	Any MUEN
Music Education (B.S.)	6	Distribution by applied performance area
Music (Music & Worship)	3	The three credits MUST be MUEN 156
Music Performance (B.M.)	8	Distribution of 6 credits is the same as the Music (B.A.) major,
		with additional 2 credits in any MUEN

Additionally, most majors require a particular **distribution** of MUEN participation based on major, concentration and applied performance area.

Music BA Composition Majors:

MUEN XXX Primary Performing Ensemble (based on applied performance area)* 6 semesters

MUEN XXX Any Vocal or Instrumental Ensemble* 6 semesters

Music BA (Commercial Concentration and students without a concentration) and the BS in Music Education: distribution dependent on applied performance area

Keyboard applied performance area:

MUEN 125 Collaborative Piano 3 semesters

MUEN 146 Piano Four Hands 2 semesters

MUEN Any Instrumental Ensemble 2 semesters

MUEN Any *Vocal Ensemble 3 semesters

MUEN Any Chamber Music Ensemble 2 semesters

*requirement fulfilled by: Concert Choir, Choral Arts Society, Men's Ensemble or Women's Ensemble

Voice applied performance area:

MUEN 111 Concert Choir* 8 semesters

MUEN 112 Choral Arts Society 1 semester

MUEN Any Instrumental Ensemble 2 semesters

MUEN Any Music Department Ensemble 1 semester

*if not accepted into Concert Choir, requirement fulfilled by; Men's Ensemble, Women's Ensemble, or an extra semester of Choral Arts Society.

Orchestral String applied performance area:

MUEN 121 Symphony Orchestra 8 semesters

MUEN Vocal Ensemble* 2 semesters

MUEN Any Chamber Music Ensemble 2 semesters

*requirement fulfilled by: Concert Choir, Choral Arts Society, Men's Ensemble or Women's Ensemble

Wind/Brass/Percussion applied performance area:

MUEN 122 or 135 Wind Ensemble or Symphonic Winds 8 semesters

MUEN Vocal Ensemble* 2 semesters

MUEN Any Chamber Music Ensemble 2 semesters

*requirement fulfilled by: Concert Choir, Choral Arts Society, Men's Ensemble or Women's Ensemble

Guitar applied performance area:

MUEN 130 Guitar Ensemble 8 semesters

MUEN Any *Vocal Ensemble 2 semesters

MUEN Any Department Ensembles 2 semesters

*requirement fulfilled by: Concert Choir, Choral Arts Society, Men's Ensemble or Women's Ensemble

Students may register for either .5 credit or for 0 credits for music ensembles, but they MUST complete both the total number of MUEN credits *and* meet the distribution requirement of ensemble participation. For example, a string performance student doesn't need 4 credits of MUEN 121 (Symphony Orchestra), but they must register and participate in 8 semesters of the ensemble. They might register for some of those semesters for zero credits.

Guidelines for Mathematical Sciences Courses

There is no specific math course required for Music majors. We recommend students enroll in MATH 101, MATH 102, or CIS 171 in their first year, unless you have had a pre-calculus course; then you

^{*}requirement fulfilled in consultation with composition professor and major advisor

should take MATH 107 or MATH 108. Statistical literacy is another important area of mathematical study, and STA 269 is a course that gives a good introduction to statistical methods and meets the QuEST requirement.

Music Education Majors:

Students in the Music Education major must take two mathematical science courses **during the first or second year**.

Students with Advanced Placement credit:

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics should go to the math department's website (www.messiah.edu/departments/mathsci/courses/ap_credit.html) to find out how credit is awarded for your scores.

Music Department Course Rotation

Courses Offered Every Semester

All MUAP All MUEN EXCEPT: MUEN 112, 117, MUEN 149 (Spring), MUEN 148 (Summer) MUGE 101, 210, 218 MUMH 338 MUSI 001, 491, 497, 498

Courses Offered Every Fall Semester

MUED 140, 201, 221, 301, 311, 351, 401 MUMH 304 MUSI 481 MUTH 101, 107, 109, 201, 207

Courses Offered Every Spring Semester

MUCM 353 MUED 211, 222, 251, 352, 402 MUGE 209, 225 MUMH 303, 305 MUTH 102, 108, 110, 202

Courses Offered as Directed Study

MUED 421 MUSI 291, 302, 343, 344, 485 MUCM 443, 444

Courses Not Offered Every Year

MUCM 351 (J-term, alternate year, beginning in January 2017) MUCM 431 (Fall, every 2-3 years beginning in Fall 2016) MUSI 452 (Fall, alternate years, beginning in Fall 2016) MUSI 271 (J-term, 3 out of 4 years, beginning in J-term 2018) MUSI 301 (Spring, every 2-3 years beginning Spring 2017) MUSI 303 (Spring, every other year beginning Spring 2017) MUED 227 (J-term, every 3-4 years, beginning in J-term 2016) MUED 240 (Offered every 2-3 years, beginning in Fall 2016)

III. Music – 2020

8-semester plan: Music Education (B.S)-Instrumental Majors

r	8-semester plan: Musi			, , , , , , , , , , , , , , , , , , , ,	
Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
MUTH 101	Music Theory I	3	MUTH 102	Music Theory II	3
MUTH 107	Sight Singing/Ear Training I	1	MUTH 108	Sight Singing/Ear Training II	1
MUTH 109	Keyboard I	1	MUTH 110	Keyboard II	1
MUAP	Applied Music	1-2	MUAP	Applied Music	2
MUEN	Ensemble	05	MUEN	Ensemble (2)	1
MUSI 001	Concert Attendance	0	MUSI 001	Concert Attendance	0
MUED 221	Percussion Class	1	MUED 222	Brass Class	1
MUED 140	Voice Class	1	CIS/MATH/STAT	QUEST Math+	3
MATH 101	Introduction to Mathematics	3	IDCR 151	Created and Called for Community+	3
COMM 105	Fundamentals of Oral Communication+	3	ENGL 122-176	Literature+	3
IDFY 101	First Year Seminar+	3			
	TOTAL	17.5-18		TOTAL	18
	Sophomore –Fall	•		Sophomore – Spring	
MUTH 201	Music Theory III	3	MUTH 202	Music Theory IV	3
MUTH 207	Sight Singing/ Ear Training III	1	MUAP	Applied Music	2
MUAP	Applied Music	2	MUMH 303	Music History I	2
MUEN	Ensemble (2)	1	MUEN	Ensemble (2)	1
MUSI 001	Concert Attendance	0	MUSI 001	Concert Attendance	0
MUED 201	Introduction to Music Education	1	MUED 251	Conducting I: Fundamentals	2
MUED 311	Woodwinds Class	1	MUED 211	Strings Class	1
EDSP 207	Introduction to Special Education	3	EDUC 208	Instruction and Assessment with ELL	3
EDUC 203	Educational Psychology	3	Varies	QuEST or Music Elective	3
TEP 210	Sophomore Field Experience	0	1		
Varies	QuEST or Music Elective	3			
	TOTAL	18		TOTAL	14-17
	Junior – Fall	,		Junior – Spring	
MUMH 304	Music History II	3	MUMH 305	Music History III	3
MUEN	Ensemble	1	MUAP	Applied Music	2
MUSI 001	Concert Attendance	0	MUEN	Ensemble	0
MUED 301	C&I: 6-12 Choral	3	MUSI 001	Concert Attendance	0
EDSP 307	Inclusion Practices	3	MUED 402	C&I: General Music with FE	3
TEP 310	Junior Field Experience	0	EDUC 346	Sociocultural Perspectives on Education	3
MUAP	Applied Music	2	MUED 352	Instrumental Conducting	2
Varies	QuEST or Music Elective	3-6	111025 002	QuEST or Music Elective	3
V G.100	QUE : 0. MUSIC E 100			Queen de mudio Eloqueo	
	TOTAL	15-18		TOTAL	16
	Senior – Fall	10.10		Senior – Spring	
MUSI 481	Senior Seminar in Music	1	MUEN	Ensemble	.5
MUAP	Applied Music	2	TEP 407	Student Teaching Seminar	1
MUEN	Ensemble	1	TEP 438	Student Teaching; Music	8
MUSI 001	Concert Attendance	0	TEP 413	Student Teaching Experience in Music	
MUED 401	C&I: 4-12 Instrumental	3	Varies	QuEST (J-term)	3
MUMH 338	Studies in Global Music	2	7 41100		
NUTR 110	Science and Nutrition	3			
Varies	QuEST or Music Elective	3			
v arioo	TOTAL	15		TOTAL	12.5
	offered in alternate years. Students should take		<u> </u>		12.0

^{**}Vocal Pedagogy is offered in alternate years. Students should take Choral conducting in the semester that Vocal Pedagogy is not offered

III. Music – 2020

[•] In order to register for fall, sophomore classes, you must have all clearances. Those include Criminal Background Check, FBI Fingerprints, Child Abuse History. Go to the Teacher Education Website for specific information www.messiah.edu/teacher/handbook/clearances/html.

[•] Music Ed students should take the PAPA Exam in the summer after the first year. See www.messiah.edu/teacher for more information

[•] Courses with a plus (+) must be completed by the end of the third semester of study (Fall of Sophomore year)

8-semester plan: Music Education (B.S)-Vocal Majors

	8-semester plan: N			,	
Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall	17.5-18		First Year - Spring	18
MUTH 101	Music Theory I	3	MUTH 102	Music Theory II	3
MUTH 107	Sight Singing/Ear Training I	1	MUTH 108	Sight Singing/Ear Training II	1
MUTH 109	Keyboard I	1	MUTH 110	Keyboard II	1
MUAP	Applied Music	1-2	MUAP	Applied Music	2
MUEN	Ensemble	05	MUEN	Ensemble (2)	1
MUSI 001	Concert Attendance	0	MUSI 001	Concert Attendance	0
MUED 221	Percussion Class	1	MUED 222	Brass Class	1
MATH 101	Introduction to Mathematics	3	CIS/MATH/STAT	QUEST Math+	3
COMM 105	Fundamentals of Oral Communication+	3	IDCR 151	Created and Called for Community+	3
IDFY 101	First Year Seminar+	3	ENGL 122-176	Literature+	3
	Sophomore –Fall			Sophomore – Spring	
MUTH 201	Music Theory III	3	MUTH 202	Music Theory IV	3
MUTH 207	Sight Singing/ Ear Training III	1	MUAP	Applied Music	2
MUAP	Applied Music	2	MUMH 303	Music History I	2
MUEN	Ensemble (2)	1	MUEN	Ensemble (2)	1
MUSI 001	Concert Attendance	0	MUSI 001	Concert Attendance	0
MUED 201	Introduction to Music Education	1	MUED 251	Conducting I: Fundamentals	2
MUED 311	Woodwinds Class	1	MUED 211	Strings Class	1
EDSP 207	Introduction to Special Education	3	NUTR 110	Science and Nutrition	3
EDUC 203	Educational Psychology	3	EDUC 208	Instruction and Assessment with ELL	3
TEP 210	Sophomore Field Experience	0			
	QuEST or Music Elective	3			
	TOTAL	18		TOTAL	16
	Junior – Fall	•		Junior – Spring	
MUMH 304	Music History II	3	MUMH 305	Music History III	3
MUEN	Ensemble	0	MUAP	Applied Music	2
MUSI 001	Concert Attendance	0	MUEN	Ensemble	1
MUED 401	C&I: 4-12 Instrumental	3	MUSI 001	Concert Attendance	0
EDSP 307	Inclusion Practices	3	MUED 402	C&I: K-5 General Music with FE	3
TEP 310	Junior Field Experience	0	EDUC 346	Sociocultural Perspectives on Education	3
MUAP	Applied Music	2	MUMH 338	Studies in Global Music	2
MUED 351** or	Choral Conducting or	2	Varies	QuEST or Music Elective	3
MUSI 452**	Vocal Pedagogy	3	varies	QUEST OF IVIUSIC Elective	J
	TOTAL	16-17		TOTAL	17
	Senior – Fall	10-11		Senior – Spring	11
MUSI 481	Senior Seminar in Music	1	MUEN	Ensemble	.5
MUAP	Applied Music	2	TEP 407	Student Teaching Seminar	1
MUEN	Ensemble	1	TEP 438	Student Teaching; Music	8
MUSI 001	Concert Attendance	0	TEP 413	Pre-Student Teaching Experience in Music	0
MUED 301	C&I: 6-12 Choral	3	Varies	QuEST (J-term)	3
MUED 351** or	Choral Conducting or	2-3			
MUSI 452**	Vocal Pedagogy				
Varies	QuEST or Music Elective	3-6			
- 3	TOTAL			TOTAL	12.5
1	101712	, - - ·-	1	1017(2	

^{**}Vocal Pedagogy is offered in alternate years. Students should take Choral conducting in the semester that Vocal Pedagogy is not offered

III. Music – 2020

[•] In order to register for fall, sophomore classes, you must have all clearances. Those include Criminal Background Check, FBI Fingerprints, Child Abuse History. Go to the Teacher Education Website for specific information www.messiah.edu/teacher/handbook/clearances/html.

[·] Music Éd students should take the PAPA Exam in the summer after the first year. See www.messiah.edu/teacher for more information

[•] Courses with a plus (+) must be completed by the end of the third semester of study (Fall of Sophomore year

III. NURSING

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The Program

Remember:

- 1. You are personally responsible to plan your program to meet all graduation requirements.
- 2. To graduate you must complete all major and QuEST requirements with a minimum of 123 total credit hours. (a typical nursing plan is 127 credits)
- 3. To continue at Messiah, you will need to maintain a minimum cumulative GPA of 1.80 (0–23 credits), 1.90 (24–56 credits), and 2.00 (57 credits or above).
- 4. To enter the clinical nursing courses, you will need to achieve a prerequisite earned GPA of 2.70 and a minimum grade of "C" in specified prerequisite courses. Only 1 pre-requisite course may be repeated for an earned grade < "C". Only one "C" is allowed in a pre-requisite science course: CHEM 103, BIOL 185, BIOL 186, BIOL 189, BIOL 382.
- 5. To progress in the nursing major you must maintain a cumulative earned GPA of 3.00.
- 6. Successful criminal history background checks must be completed for entry into the nursing clinical courses
- 7. You must undergo a physical examination, with annual follow-ups, that are documented on required health forms.
- 8. You must undergo a drug screening prior to clinical courses.
- 9. The last 30 credits preceding the conferring of the degree must be earned at Messiah College with a minimum of 12 credits in the major.

Guidelines for Mathematical Sciences Courses

Statistics is required for nursing majors and meets the QuEST requirement for Mathematical Sciences.

Students with Advanced Placement credit:

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics can learn <u>here</u> how credit is awarded for your scores.

III. Nursing 2020

8-semester plan

Nursing (B.S.N)

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
IDFY 101	First Year Seminar*	3	COMM 105	Oral Communications*	3
CHEM 103	Chemical Science*	4	Varies	2 nd level language*	3
BIOL 185	Human Anatomy & Physiology I*	4	IDCR 151	Created & Called for Community*	3
PSYC 101 <u>or</u>	Intro to Psychology * <u>or</u>				
SOCI 101 <u>or</u> HDFS 101	Principles of Sociology * or Foundations of Marriage and Family * (one of these only)	3	BIOL 189	Genetics for Health Professions	3
Varies	1st level language*	3	BIOL 186	Human Anatomy & Physiology II	4
			WELL 1xx	Wellness course*	1
	TOTAL	17		TOTAL	17
Sophomore –Fall				Sophomore – Spring	
Varies	Lang/Cross Cultural/Non Western*	3	Varies	Art, Music, Theatre or Dance*	3
BIOL 382	Microbiology for Health Professionals	4	NURS 303	Pathophysiology	3
BIBL 20x	Bible*	3	NURS 211	Foundations of Nursing Practice	3
PSYC 209	Life Span Development	3	NURS 210	Health Assessment	3
NURS 203	Historical & Conceptual Basis for Nursing	3	NUTR 222	Nutrition Theory	3
	TOTAL	16		TOTAL	15
	Junior – Fall	:		Junior – Spring	
ENGL XXX	Literature+	3	STAT 269	Introductory Statistics*	3
HIST XXX	US or European History *	3	NURS 312	Nursing Care of Adults & Older Adults II	4
NURS 304	Pharmacology	3	NURS 313	Nursing Care of Infants, Children, and Adolescents	4
NURS 311	Nursing Care of Adults & Older Adults	4	NURS 305	Nursing Research I	2
NURS 310	Nursing Care of the Childbearing Family	4	PHIL/RELI xxx	Philosophy/Religion+	3
	TOTAL	17		TOTAL	16
	Senior – Fall			Senior – Spring	
varies	Worldviews/Pluralism/Ethics*	3	NURS 495	Senior Practicum—International or Local (J-term only)	3
NURS 410	Psychiatric/Mental Health Nursing	4	NURS 413	Leadership in Nursing	3
NURS 411	Nursing Care of the Critically III	4	NURS 412	Community Health Nursing	4
NURS 405	Nursing Research II	2	NURS 496	Senior Seminar	3
THEO xxx	Christian Beliefs*	3			
	TOTAL	16		TOTAL	13

*QuEST requirement

III. Nursing 2020

III. PHILOSOPHY

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Guidelines for Mathematical Sciences Courses

There is no specific math course required for the Philosophy major. Familiarity with digital technology is increasingly important for students in the humanities with new developments in the digital humanities majors. Students interested in pursuing digital applications in the humanities should consider taking courses in CIS. The introductory CIS courses to consider include:

CIS 171 Problem Solving with Computers focuses on using computers and software to create reports, images, spreadsheets, web pages, and databases.

CIS 180 Introduction to Computer and Information Science covers both technical and social aspects of computing, including privacy, security, reliability, and ethics.

CIS 181 Introduction to Computer Programming in Python is the introductory programming course for both majors and non-majors.

For students interested in math, we recommend students enroll in MATH 101, MATH 102, or MATH 107 in their first year, unless they have had a pre-calculus course; then they should consider MATH 108. Statistical literacy is another important area of mathematical study, and STAT269 is a course that gives a good introduction to statistical methods and meets the General Education requirement.

Students with Advanced Placement credit:

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics should go to the math department's website (www.messiah.edu/departments/mathsci/courses/ap_credit.html) to find out how credit is awarded for your scores.

III. POLITICS and INTERNATIONAL RELATIONS

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Recommended Oues I sequencing	∠

Guidelines for Mathematical Sciences Courses

There is no specific math course required for the Politics and International Relations major. Familiarity with digital technology is increasingly important for students in the humanities with new developments in the digital humanities majors. Students interested in pursuing digital applications in the humanities should consider taking courses in CIS. The introductory CIS courses to consider include:

CIS 171 Problem Solving with Computers focuses on using computers and software to create reports, images, spreadsheets, web pages, and databases.

CIS 180 Introduction to Computer and Information Science covers both technical and social aspects of computing, including privacy, security, reliability, and ethics.

CIS 181 Introduction to Computer Programming in Python is the introductory programming course for both majors and non-majors.

For students interested in math, we strongly recommend students enroll in STAT 269. Students may alternately students enroll in MATH 101, MATH 102, or MATH 107 in their first year, unless they have had a pre-calculus course; then they should consider MATH 108.

Students with Advanced Placement credit:

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics should go to the math department's website (www.messiah.edu/departments/mathsci/courses/ap_credit.html) to find out how credit is awarded for your scores.

Recommended QuEST sequencing 8 Semester Plan

*QuEST requirement

Course #	Course Name	Credits	Course #	Course Name		Credits
	First Year – Fall			First Year – Spring		
IDFY 101	First year seminar	3	IDCR 151	Created and Called		3
Varies	1st language requirement	3	Varies	2nd language requirement		3
COMM 105	Foundations of Oral Communication	3	Varies	Laboratory Science		3-4
Varies	Mathematical Science	3-4	HIST 1xx	History meeting QuEST		3
POLI 113 or	American Government OR	3		Maiarraninanant		3
POLI 204	History of Political Thought	3		Major requirement		3
	Tota	al 15			Total	15-16
	Sophomore – Fall			Sophomore – Spring		
Varies	3 rd language requirement	3	ENGL 1xx	Literature meeting QuEST		3
BIBL 2xx	Bible	3	Varies	Philosophy or Religion		3
	Major requirement	3		Major requirement		3
	Major requirement	3		Major requirement		3
	Electives or minor			Electives or minor		
	Tota	al 12-18			Total	12-18
	Junior – Fall			Junior – Spring		
Theo 2xx	Christian Beliefs	3	WELL 1xx	Wellness		1
Varies	Art, Music, Dance, or Theatre meeting Quest	3	Varies	Non-Western		3
	Major requirement	3		Major requirement		3
	Major requirement	3		Major requirement		3
	Tota	al 12-18			Total	12-18
	Contan Fall			Contra Cartan		
Vorioo	Senior – Fall Ethics, World View or Pluralism		Varios	Senior – Spring		2
Varies		3	Varies	Science, Technology & the World		3
	Major requirement	3		Major requirement		3
	Electives or minor	3		Electives or minor		3
	Electives or minor	3		Electives or minor		3
	Tota	al 12-18			Total	12-18

There is a curricular design and rationale for the QuEST curriculum, so to every degree possible, try to keep the General Education requirements in their recommended year.

Year 1: 1st and 2nd Language, Oral Comm, FYS, CCC

Year 2: Bible

Years 1-2: Literature, Social Sciences/History, Philosophy/Religion, 3rd language,

Years 3-4: Pluralism, Christian Beliefs, Ethics/World View/Pluralism

III. PSYCHOLOGY

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Psychology (B.S) Pre-Occupational Therapy / Occupational Therapy MOT	

Guidelines for Mathematical Sciences Courses

Psychology Majors

There is no specific math course required for these majors. Statistical literacy is important in this field, and STAT 269 is a course that gives a good introduction to statistical methods and meets the QuEST requirement. The Math Department recommends STAT 269 as a good choice in preparation for PSYC 271 or SOCI 271. As an alternative, many students enroll in MATH 101, MATH 107, or CIS 171 in their first year. If you have had a pre-calculus course; then you should consider MATH 108.

Bio-Psychology Majors

Undergraduate preparation for medical school, dental school, veterinary school and allied health programs (such as chiropractic, occupational therapy, optometry, pharmacy, physician assistant and podiatry) is actually fairly straightforward. Please note that while the requirements are generally standard, there are many exceptions. Students are required to meet with Martha Smith, Coordinator of Pre-Health Professions Advising, in addition to their academic advisor, when planning their course of study. Mathematics requirements vary. Students should check the medical school to which they are applying for math requirements. While often not required, Math 108 (or higher) and statistics are strongly recommended.

Students with Advanced Placement credit

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics should go to the math department's website (www.messiah.edu/departments/mathsci/courses/ap_credit.html) to find out how credit is awarded for your scores.

III. Psychology 2020

8-semester plan Biopsychology (B.S) 8 Semester Plan

_	T -		Ster Fran	1 -	T
Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
BIOL 160**	Molecular and Cellular Biology	4	BIOL 161**	Animal Form/Function (J-Term)	3
CHEM 105	General Chemistry I*	4	BIOL 162**	Plant Form and Function	3
IDFY 101	First Year Seminar*	3	CHEM 106	General Chemistry II	4
PSYC 099**	Writing for Psychology	1	IDCR 151	Created and Called for Community*	3
PSYC 101	Introduction to Psychology	3	PSYC 271 or STAT 269	Statistics*	3
	TOTAL	15		TOTAL	_ 17
	Sophomore –Fall	T		Sophomore – Spring	
BIBL 2xx	Encountering the Bible*	3	CHEM 310***	Organic Chemistry II	4
BIOL 260**	Genetics and Development	3	Varies	2 nd Language course*	3
CHEM 309***	Organic Chemistry I	4	PSYC 209	Life Span Development	3
Varies	1st Language course*	3	PSYC 272	Research Methods in Psychology	3
PSYC 350	Biological Basis of Behavior	3	Varies	Elective	3
	TOTAL	16		TOTAL	_ 16
	Junior – Fall			Junior – Spring	
BIOL 387	Neuroscience	3	BIOL xxx	Biology elective†	3-4
Varies	Literature meeting QuEST*	3	COMM 105	Oral Communication*	3
Varies	3 rd Language or Cross-Cultural*	3	PHIL/RELI	Philosophy or Religion meeting QuEST*	3
Varies	Mathematical Science meeting QuEST*	3	PSYC 351	Sensation and Perception	3
PSYC 319/345	Abnormal Psychology or Cognition	3	Varies	Elective	3
WELL 1xx	Wellness Course*	1			
	TOTAL	16		TOTAL	_ 15-16
	Senior – Fall			Senior – Spring	
BIOL xxx	Biology elective	3-4	BIOL495 or PSYC 494	Capstone Biology OR Psychology	3
IDNW xxx	Non-Western Studies*	2-3	HIST xxx	History meeting QuEST*	3
PSYC 408	Experimental Psychology	3	THEO/RELI	Christian Beliefs*	3
Varies	Ethics/World Views/Pluralism*	3	Varies	Art, Music, Theatre or Dance*	3
Varies	Elective	3	Varies	Elective	3
	TOTAL	15-16		TOTAI	_ 15

Total = 122*-127 credits

*NOTE: 123 credits are still needed to graduate

III. Psychology - 2020 2

^{*}QuEST requirement

**Students may take BIOL 185, 186, 189 and PSYC 099 in place of BIOL 160, 161, 162 and 260.

^{***} Students may take CHEM 204 in place of CHEM 309 and 310.

[†] Needed only if BIOL 185/186/189 taken.

Psychology (B.A.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
PSYC 101	Introduction to Psychology	3	PSYC 209	Lifespan Development	3
PSYC 099	Writing for Psychology	1	BIO 258	Human Biology	4
IDFY 101	First Year Seminar*	3	IDCR 151	Created & Called for Community*	3
Varies	Math/CIS/Statistics*	3	Varies	1st language*	3
COMM 105	Fundamentals of Oral Communication*	3	PHIL/RELI	Philosophy or Religion Elective*	3
	TOTAL	13		TOTAL	15
	Sophomore –Fall			Sophomore - Spring	
PSYC 271	Statistical Methods in Psychology	3	PSYC 272	Research Methods in Psychology	3
PSYC 226	Social Psychology	3	PSYC xxx	Psychology Elective	3
Varies	2 nd language*	3	Varies	3rd language or Cross Cultural*	3
BIBL 2xx	Encountering the Bible/OT/NT*	3	Varies	Literature Elective*	3
HIST xxx	History meeting QuEST*	3	Varies	Free Elective	3
	TOTAL	15		TOTAL	15
	Junior – Fall			Junior – Spring	
PSYC 345 or 350	Cognition or Biological Basis Behavior	3	PSYC xxx	Psychology Elective	3
IDNW 2xx	Non-Western Studies*	2-3	PSYC xxx	Psychology Elective	3
Varies	Art, Music, Theatre or Dance*	3	PSYC 411	History and Systems	3
IDST 2xx	Science, Technology, & World*	3	THEO xxx	Christian Beliefs*	3
PSYC 3xx	PSYC 319 Abnormal Psychology or PSYC 323 Counseling Theories, or PSYC 324 Personality (Fall Only)	3	IDxx xxx	Ethics/World Views/Pluralism	3
			Varies	Free Elective	3
	TOTAL	14-15		TOTAL	18
	Senior – Fall			Senior – Spring	
PSYC 408	Experimental Psychology or Psychology	3	PSYC 494	Psychology Seminar Psychology	3
or 409	Testing		PSYC xxx	Elective	3
WELL xxX	Wellness Course*	1	Varies	Free Elective	3
Varies	Free Elective	3	Varies	Free Elective	3
Varies	Free Elective	3	Varies	Free Elective (or internship)	3
Varies	Free Elective	3			
Varies	Free Elective	3			
	TOTAL	16		TOTAL	15

^{*} QuEST requirement

Total = 123-124 *credits*

If students enter the major second semester of junior year, they will not be able to graduate on time.

III. Psychology - 2020

Psychology with Clinical Concentration (B.A.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
PSYC 101	Introduction to Psychology	3	PSYC 209	Lifespan Development	3
PSYC 099	Writing for Psychology	1	BIO 258	Human Biology	4
IDFY 101	First Year Seminar*	3	IDCR 151	Created & Called for Community*	3
MATH/CIS/STAT	Math/CIS/Statistics*	3	Varies	1st language*	3
COMM 105	Fundamentals of Oral Communication*	3	PHIL/RELI	Philosophy or Religion Elective*	3
	TOTAL	13		TOTAL	15
	Sophomore –Fall			Sophomore – Spring	
PSYC 271	Statistical Methods in Psychology	3	PSYC 272	Research Methods in Psychology	3
	Personality	3	PSYC 226	Social Psychology	3
	2 nd language*	3	Varies	3 rd language or Cross Cultural*	3
	Encountering the Bible/OT/NT*	3	Varies	Literature meeting QuEST*	3
	History meeting QuEST*	3	Varies	Free Elective	3
	TOTAL	15		TOTAL	15
DOMO 045 / 004	Junior – Fall		D0./0.000	Junior – Spring	1 0
	Cognition or Bio. Basis Behavior	3	PSYC 323	Counseling Theories	3
	Abnormal Psychology	3	PSYC 441	History and Systems	3
	Non-Western Studies*	2-3	Varies	Ethics/World Views/ Pluralism*	3
	Art, Music, Theatre or Dance*	3	THEO xxx	Christian Beliefs*	3
IDST 2xx	Science, Technology, & World*	3	Varies	Free Elective	3
			Varies	Free Elective	3
	TOTAL	14-15		TOTAL	18
	Senior – Fall	-		Senior – Spring	-
	Experimental Psychology or Psychology Testing	3	PSYC 494	Psychology Seminar Psychology Elective	3
PSYC 423	Counseling Skills	3	INTE 391 or PSYC 391	Internship or Psychology Practicum	3
WELL xxx	Wellness Course*	1	Varies	Free Elective (or internship)	3
	Free Elective	3	Varies	Free Elective	3
;	Free Elective	3	Varies	Free Elective	3
	Free Elective	3			
	TOTAL	16		TOTAL	15

*QuEST requirement

If students enter the major second semester of junior year, they will not be able to graduate on time.

III. Psychology - 2020

Psychology (B.S) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
PSYC 101	Introduction to Psychology	3	PSYC 209	Lifespan Development	3
PSYC 099	Writing for Psychology	1	BIO 258	Human Biology	4
IDFY 101	First Year Seminar*	3	IDCR 151	Created & Called for Community*	3
MATH/CIS/STAT	Math/CIS/Statistics*	3	Varies	1st language*	3
COMM 105	Fundamentals of Oral Communication*	3	PHIL/RELI	Philosophy or Religion Elective*	3
	TOTAL	13		TOTA	L 15
	Sophomore –Fall			Sophomore – Spring	-
PSYC 271	Statistical Methods in Psychology	3	PSYC 272	Research Methods in Psychology	3
PSYC 319/323/	Abnormal Psych, Counseling Theories, or	3	PSYC 226	Social Psychology	3
324	Personality		Varies	3rd language or Cross Cultural*	3
Varies	2 nd language*	3	Varies	Free Elective	3
BIBL 2xx	Encountering the Bible/OT/NT*	3	Varies	Literature Elective*	3
HIST xxX	History Elective*	3	Varies	Free Elective	3
	TOTAL	15		TOTA	L 15
	Junior – Fall			Junior – Spring	
PSYC 350	Biological Bases of Behavior	3	PSYC 351	Sensation and Perception	3
	—		PSYC 345	Cognition	3
IDNW 2xx	Non-Western Studies*	2-3	THEO xxx	Christian Beliefs*	3
Varies	Art, Music, Theatre or Dance*	3	IDxx xxx	Ethics/World Views/Pluralism*	3
IDST 2xx	Science, Technology, & World*	3	Varies	Free Elective	3
Varies	Free Elective	3	Varies	Free Elective	3
	TOTAL	14-15		TOTA	L 18
	Senior – Fall			Senior – Spring	-
PSYC 494	Psychology Seminar	3	PSYC xxx	Psychology Elective	3
WELL xxX	Wellness Course*	1	PSYC xxx	Psychology Elective	3
Varies	Free Elective	3	PSYC 441	History and Systems	3
Varies	Free Elective	3	Varies	Free Elective (or internship)	3
Varies	Free Elective	3	Varies	Free Elective	3
PSYC 408	Experimental Psychology	3			
	TOTAL	16	roquiromont	TOTA	L 15

*QuEST requirement

If students enter the major second semester of junior year, they will not be able to graduate on time.

III. Psychology - 2020 5

Psychology (B.S) Pre-Occupational Therapy / Occupational Therapy MOT
Suggested Course Sequencing

Course #	Course name	Credits	Course #	Course name	Credits
	Semester 1 – Fall	1		Semester 2 – Spring	1
PSYC 101	Introduction to Psychology	3	PSYC 209	Lifespan Development	3
PSYC 099	Writing for Psychology	1	IDCR 151	Created & Called for Community*	3
IDFY 101	First Year Seminar*	3	PHIL/RELI	Philosophy or Religion Elective*	3
MATH/CIS/S		3	Varies	2 nd language*	3
COMM 105	Fundamentals of Oral Communication*	3	BIOL 258	Human Biology	4
Varies	1st language*	3			
	TOTAL	16		TOTAL	16
	Semester 3 – Fall			Semester 4 – Spring	
PSYC 271	Statistical Methods in Psychology	3	PSYC 272	Research Methods in Psychology	3
PSYC 350	Biological Bases of Behavior	3	PSYC 226	Social Psychology	3
BIBL 2xx	Encountering the Bible/OT/NT*	3	PSYC 345	Cognition	3
Varies	3 rd language or Cross Cultural*	3	IDxx xxx	Ethics/World Views/Pluralism*	3
BIOL 185	Human Anatomy and Physiology I	4	BIOL 186	Human Anatomy and Physiology II	4
	, , , , , , , , , , , , , , , , , , ,		ATHT 201	Medical Terminology	2
	TOTAL	16		TOTAL	18
	Semester 5 – Fall			Semester 6 – Spring	
PSYC 494	Psychology Seminar	3	PSYC 351	Sensation and Perception	3
PSYC 408	Experimental Psychology (Fall Only)	3	PSYC 319	Abnormal Psychology	3
IDNW 2xx	Non-Western Studies*	2-3	PSYC 441	History and Systems	3
THEO xxx	Christian Beliefs*	3	Varies	Art, Music, Theatre or Dance meeting QuEST*	3
Varies	Elective	2	HIST xxx	History meeting QuEST*	3
WELL xxx	Wellness course*	1			
			Varies	Literature meeting QuEST*	3
	TOTAL	15-16		TOTAL	17
Summer Be	etween Semester 6 and 7 (9 credits)		•		
OCCU 501	Foundations of Occupational Therapy #	3			
OCCU 505	Applied Anatomy #	3			
OCCU 505L	Applied Anatomy Lab #	0			
OCCU 508	Enabling Occupations #	3			
	TOTAL	. 9			
	Semester 7 – Fall			Semester 8 - Spring	
OCCU 524	Theoretical Perspectives in Occ Therapy #	3	IPEC 500	Interprofessional Education (IPE) Seminar	1
OCCU 526	Analysis of Occupation #	3	OCCU 530	Research Methods and Design	3
OCCU 510	Evidence-Based Inquiry #	3	OCCU 553	Common Conditions in OT Practice	3
OCCU 535	OT Process: Psychosocial Practice #	4	OCCU 555	Neurological Conditions in OT Practice	4
OCCU 535L	OT Process: Psychosocial Practice Lab #	0	OCCU 555L	Neurological Conditions in OT Practice Lab	0
OCCU 544	Therapeutic Techniques #	3	OCCU 562	Level I Fieldwork: Pediatric Practice	1
OCCU 544L	Therapeutic Techniques Lab #	0	OCCU 565	OT Process: Pediatric Practice	4
			OCCU 565L	OT Process: Pediatric Practice Lab	0
		:		TOTAL	16
	TOTAL	16		IVIAL	
Summer Be	TOTAL tween Semester 9 and 10 (9 credits)	16		TOTAL	
Summer Be		16		TOTAL	
	tween Semester 9 and 10 (9 credits)			TOTAL	
OCCU 602	Level 1 Fieldwork Adult Practice OT Process: Adult Practice	1		TOTAL	
OCCU 602 OCCU 605	Level 1 Fieldwork Adult Practice OT Process: Adult Practice	1 4		TOTAL	
OCCU 602 OCCU 605 OCCU 605L	Level 1 Fieldwork Adult Practice OT Process: Adult Practice OT Process Adult Practice L OT Process Adult Practice Lab Adaptations & Assistive Technology	1 4 0		TOTAL	

	Semester 9 – Fall				Semester 10 – Spring
OCCU 572	Level I Fieldwork: Community Interventions		2	OCCU 583	Cultural & Global Considerations 2
OCCU 573	Health Promotion in OT: Community Inter		2	OCCU 586	Spirituality, Meaning & Health in Occupation 2
OCCU 623	Administration, Management & Leadership		3	OCCU 622	Fieldwork Level II-A 6
OCCU 625	OT Process: Older Adult Practice		4		
OCCU 625L	OT Process: Older Adult Practice Lab		0		
OCCU 630	Research Seminar		3		
	TOTAL		14		TOTAL 10
Summer Afte	er Semester10 (7 credits)				
OCCU 632	Fieldwork Level II-B	6			
OCCU 636	Enrichment Seminar	1			
	TOTAL	7			

*QuEST requirement

Graduate Course that fulfills Undergraduate Requirements (total of 25 credits)
Total UG Credits: 98-99 (dependent on the non-western course)
Total GR Credits Applied to the Undergraduate Degree: 25
Total Credits in the BS in Psych (Pre-OT) degree 123-124
Unique GR Credits: 55
Total Credits: 478-479 total credits

Total Credits: 178-179 total credits

(total credits required if both degrees are completed: 203)

III. SOCIAL WORK

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Guidelines for Mathematical Sciences Courses	1
Students with Advanced Placement credit:	1
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Social Work (B.S.W)	
Human Services (B.A.)	

Guidelines for Mathematical Sciences Courses

Statistical literacy is important in this field, and STAT 269 is a course that gives a good introduction to statistical methods and meets the General Education requirement. All majors in the Social Work major must take STAT 269, which is usually taken in the second or third year. Students who have a weak background in Algebra should consider taking MATH 101 or MATH 102 in their first year in preparation for STAT 269.

Students with Advanced Placement credit:

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics should go to the math department's website (www.messiah.edu/departments/mathsci/courses/ap_credit.html) to find out how credit is awarded for your scores.

III. Social Work 2020

8 Semester Plan

Social Work (B.S.W)

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
SOWK 099	Professionalism in Social Work	1	SOWK 221	Human Behavior	3
SOWK 120	Introduction to Social Work	3	IDCR 151	Created and Called for Community*	3
PSYC 101	Introduction to Psychology	3	BIOL 258	Human Biology	4
varies	1st language*	3	varies	2 nd language*	3
COMM 105	Oral Communication*	3	SOCI 101	Principles of Sociology	3
IDFY 101	First Year Seminar*	3			
	TOTAL	16		TOTAL	. 16
	Sophomore –Fall			Sophomore – Spring	
SOWK 250	Social Work Practice with Individuals	3	SOWK 360	Social Work Practice with Families	3
SOWK 251	Field Exp: SW Practice with Individuals	1	SOWK 361	Field Exp: SW Practice with Families	1
SOWK 382	Topics in Social Work	3	STAT 269	Introductory Statistics	3
BIBL 2XX	Encountering the Bible: Old/New Test.*	3	Varies	Literature* (1st or 2nd year)	3
HIST 142	U.S. History Since 1865	3	Varies	Nonwestern meeting QuEST	3
varies	Free Elective	3	IDST XXX	Science, Technology, and the World*	3
	TOTAL	16		TOTAL	. 16
	Junior – Fall	•		Junior – Spring	•
SOWK 372	Social Work Practice with Groups	4	SOWK 420	Social Welfare Policies	3
SOWK 385	Introduction to Research in Social Work	3	SOWK 356	Engaging Diversity and Inequality	3
PHIL/RELI XXX	Philosophy/Religion*	3	ART/MUSI	Arts*	3
THEO XXX	Christian Beliefs	3		Free Elective	(3)
	Free Elective	(3)		Free Elective	(3)
	TOTAL	16		TOTAL	. 15
	Senior – Fall			Senior – Spring	
SOWK 475	Social Work Practice with Communities & Organizations	3	SOWK 485	Seminar in Social Work Practice	3
SOWK 476	Field Experience Communities and Organizations**	1	SOWK 490	Field Practice in Social Work	12
SOWK 484	Preparation for Field Practice	1	To enhance a	student's learning, the Social Work Program highl	y
ECON 110/117/120	One of the listed economic courses	3	encourages st	udents to spend a semester in Harrisburg, and/or and of the cross cultural/ semester abroad opportu	to take
WELL XXX	Wellness Course	1		h Messiah College.	
	Free Elective	3	1	-	
	Free Elective	3			
	TOTAL	15		TOTAL	. 15

*QuEST requirement

III. Social Work - 2020

^{**}Meets ELI service learning requirement.

Human Services (B.A.) 8 Semester Plan

Note: This major may not be student-initiated.

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year – Spring	
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
COMM 105	Oral Communication*	3	SOWK 221	Human Behavior	3
Varies	1st language*	3	LAB XXX	Laboratory Science* (1st year)	3-4
SOWK 120	Introduction to Social Work	3	Varies	2 nd language* (1 st or 2 nd year)	3
PSYC 101	Introduction to Psychology*	3	SOCI 101	Principles of Sociology	3
	TOTAL	15		TOTAL	. 15-16
	Sophomore – Fall			Sophomore – Spring	
LANG XXX	3 rd language or Cross Cultural* (2 nd or 3 rd year)	3	Varies	Mathematical Science* (1st year)	3
HIST 142	U.S. History Survey Since 1865*	3	PHIL/RELI xxx	Philosophy/Religion* (1st or 2nd year)	3
BIBL 20X	Knowledge of the Bible* (2 nd -4 th year)	3	SOWK 360	Social Work Practice w/ Families	3
SOWK 250	Social Work Practice w/ Individuals	3	SOWK 361	Field Experience w/ Families	1
SOWK 251	Field experience w/ Individuals	1	Varies	Literature* (1st or 2nd year)	3
SOWK 382	Topics in Social Work	3			
	TOTAL	16		TOTAL	. 16
	Junior – Fall			Junior – Spring	
THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3	Varies	Art, Music, Theatre or Dance* (1st or 2nd year)	3
IDST xxx	Science, Tech, & World* (3rd or 4th year)	3	SOWK 356	Engaging Diversity and Inequality	3
SOWK 372 Varies	Social Work Practice w/Groups OR Social Science elective	3-4	SOWK 420	Social Welfare Policies	3
SOWK 385	Introduction to Research in Social Work	3		Free elective	3
				Free elective	3
	TOTAL	12-13		TOTAL	. 15
Senior – Fall			Senior – Spring		
IDNW xxx	Non-Western Studies* (2 nd or 3 rd year)	2-3	IDS xxx	Ethics/Pluralism/World Views* (3rd or 4th year)	3
WELL xxx	Wellness activity* (1st or 2nd year)	1	INTE 391 or 394	Internship	6
SOWK 475	Social Work Practice w/ Comm & Org	3	HUMS 485	Human Services Capstone	3
SOWK 476	Field experience w/ Community & Org	1		Free elective, if needed	3
	Free elective	3			-
	Free elective	3			
	TOTAL	13-14		TOTAL	. 15

*QuEST requirement

III. Social Work - 2020 3

III. SOCIOLOGY

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Guidelines for Mathematical Sciences Courses

There is no specific math course required for Sociology majors. We recommend students enroll in MATH 101, MATH 102, MATH 107, or CIS 171 in their first year, unless you have had a pre-calculus course; then you should consider STAT 269 (usually taken in the second or third year). Statistical literacy is important in this field, and STAT 269 is a course that gives a good introduction to statistical methods and meets the QuEST requirement. Students who have a weak background in Algebra should consider taking MATH 101 or MATH 102 in their first year in preparation for STAT 269.

Students with Advanced Placement credit:

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics should go to the math department's website (www.messiah.edu/departments/mathsci/courses/ap_credit.html) to find out how credit is awarded for your scores.

III. Sociology 2020

8 semester plan

Sociology (B.A.)

Course #	Course name	Credits	Course #	Course name	Credits
	First Year - Fall			First Year – Spring	
COMM 105	Oral Communication*	3	varies	2 nd language* (1 st or 2 nd yr)	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
varies	1st language*	3	varies	Laboratory Science* (1st year)	3-4
MATH/CIS/STAT	Mathematical Sciences* (1st year)	3-4	PHIL/RELI xxx	Philosophy/Religion* (1st or 2nd yr)	3
SOCI 101 OR	Principles of Sociology (Fall or Spring)	3	SOCI 101 OR	Principles of Sociology (Fall or Spring)	3
SOCI 212	Cultural Anthropology (Fall or Spring)	J	SOCI 212	Cultural Anthropology (Fall or Spring)	3
	TOTAL	15-16		TOTAL	15-16
	Sophomore –Fall	·		Sophomore – Spring	·
varies	3 rd lang or Cross Cultural* (2 nd or 3 rd yr)	3	varies	Arts* (1st or 2nd yr)	3
HIST xxx	History* (1st or 2nd yr)	3	BIBL 20x	Knowledge of the Bible* (1st or 2nd yr)	3
WELL xxx	Wellness* (1st or 2nd year)	1	SOCI 281	Qualitative Research Methods**	3
SOCI 271	Quantitative Research Methods & Stats**	3	SOCI 335	Social Conflict, Justice & Peacemaking**	3
SOCI 331	Sociocultural Theory	3	Varies	Free elective or minor	3
Varies	Free elective or minor	3			
	TOTAL	16		TOTAL	15
	Junior – Fall			Junior – Spring	
ENGL xxx	Literature* (1st or 2nd yr)	3	THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3
SOCI 356	Social Inequality***	3	IDST xxx	Science, Tech & World * (3rd or 4th yr)	3
Varies	Concentration elective	3	Varies	Concentration elective	3
Varies	Free elective or minor	3	Varies	Concentration elective	3
Varies	Free elective or minor	3	Varies	Free elective or minor	3
			Varies	Free elective or minor	3
	TOTAL	15		TOTAL	18
	Senior – Fall			Senior – Spring	
SOCI 442	Senior Thesis	3	Varies	Concentration elective	3
Varies	Concentration elective	3	INTE 391	Internship	3
Varies	Concentration elective	3	Varies	Concentration elective	3
Varies	Free elective or minor	3	Varies	Free elective or minor	3
Varies	Free elective or minor	3	Varies	Free elective or minor	3
	TOTAL	15		TOTAL	15

^{*} QuEST requirement

III. Sociology 2020

Sustainability Studies (Community Development) (B.A.) 8-semester Plan

COMM 105 IDFY 101 First Year Semina PHIL 10x Philosophy/Religi SUST 140 Ecology & Sustair varies Sophom varies 3rd Language or C BIBL 20x Varies Major elective (EC BIOL 274, SOCI 3 ENVS 216 Environmental Iss varies Research Method Sunion Language or C BIOL 274, SOCI 3 ENVS 216 Environmental Iss Varies Concentration electiva Varies Minor or free electiva Senior	ar* ion* inability** (meets lab sci)	3 3 3	IDCR 151	First Year – Spring	
IDFY 101 First Year Semina PHIL 10x Philosophy/Religic SUST 140 Ecology & Sustain varies 1st Language cours Sophomovaries 3rd Language or Compared to the Varies Major elective (ECOM BIOL 274, SOCI 3 ENVS 216 Environmental Iss varies Research Method Research Method Varies Concentration electivation elect	ar* ion* inability** (meets lab sci)	3		0	
PHIL 10x SUST 140 Ecology & Sustain varies Sophome varies 3rd Language or C BIBL 20x Varies Major elective (ECO) BIOL 274, SOCI 3 ENVS 216 Varies Research Method Sunion ENVS 315 Varies Concentration elective (ECO) C	ion* inability** (meets lab sci)	3		Created and Called for Community*	3
SUST 140 Varies Sophome Varies 3rd Language of the Varies Major elective (EC) BIOL 274, SOCI 3 ENVS 216 Varies Research Method Tunion ENVS 315 Varies Concentration ele Varies Concentration ele Varies THEO/RELI Varies Minor or free elec	inability** (meets lab sci)		varies	2 nd Language*	3
varies Sophome varies 3rd Language or C BIBL 20x Knowledge of the Varies Major elective (EC BIOL 274, SOCI 3 ENVS 216 Environmental Iss varies Research Method Junion ENVS 315 Varies Concentration ele Varies Concentration ele Varies Concentration ele Varies Concentration ele Christian Beliefs Varies Minor or free elec			STAT 269	Statistics or Quest mathematics	3-4
Sophomovaries 3rd Language or Constitution BIBL 20x Knowledge of the Varies Major elective (ECOBIOL 274, SOCI 3 ENVS 216 Environmental Issueries Research Method Research Method Society Agries Concentration election by Constitution election ele	ırse*	3	SOCI 212	Cultural Anthropology (meets NW)	3
varies 3rd Language or C BIBL 20x Knowledge of the Varies Major elective (EC BIOL 274, SOCI 3 ENVS 216 Environmental Iss varies Research Method Junior ENVS 315 Environmental Etl Varies Concentration ele Varies Concentration ele Varies Concentration ele Concentra		3	HIST 1xx	History*	3
varies 3rd Language or C BIBL 20x Knowledge of the Varies Major elective (EC BIOL 274, SOCI 3 ENVS 216 Environmental Iss varies Research Method Junior ENVS 315 Environmental Etl Varies Concentration ele Varies Concentration ele Varies Concentration ele Concentra	TOTAL	15		TOTAL	15-16
varies 3rd Language or C BIBL 20x Knowledge of the Varies Major elective (EC BIOL 274, SOCI 3 ENVS 216 Environmental Iss varies Research Method Junior ENVS 315 Environmental Etl Varies Concentration ele Varies Concentration ele Varies Concentration ele Concentra	ore – Fall			Sophomore – Spring	
BIBL 20x Knowledge of the Varies Major elective (EC BIOL 274, SOCI 3 ENVS 216 Environmental Iss Research Method Tunion ENVS 315 Environmental Etl Varies Concentration ele Varies Concentration ele Varies Concentration ele Concentration ele Christian Beliefs Waries Minor or free electors Senion		3	varies	Art/Music/Theatre*	3
Varies Major elective (EG BIOL 274, SOCI 3 ENVS 216 Environmental Iss Research Method Junion ENVS 315 Environmental Etl Varies Concentration ele Varies Concentration ele THEO/RELI Christian Beliefs varies Minor or free electors Senior		3	WELL 1xx	Wellness Course	1
Varies Research Method Junior ENVS 315 Varies Concentration ele Varies Concentration ele Varies Concentration ele Con	CON 117, POLI 113, 315 or STAT 269)	3	GIS 245	Intro to Geog Infor System (alt year) or Major elective (ECON 117, POLI 113, BIOL 274, SOCI 315 or STAT 269)	3
Union ENVS 315 Environmental Etl Varies Concentration ele Varies Concentration ele Varies Concentration ele Concentration ele Christian Beliefs Varies Minor or free elec	sues (meets STW)	3	Varies	Concentration elective	3
ENVS 315 Varies Varies Varies Concentration ele Varies Concentration ele Concentration ele Concentration ele Concentration ele Concentration ele Concentration ele Christian Beliefs Varies Minor or free elec	ds course	3	ENGL 1xx	Literature* (suggested: 174)	3
ENVS 315 Varies Varies Varies Varies Concentration ele Varies Concentration ele Concentration ele Concentration ele Concentration ele Concentration ele Christian Beliefs Varies Minor or free elec			Varies	Minor or free elective	2-3
ENVS 315 Varies Varies Varies Concentration ele Varies Concentration ele Concentration ele Concentration ele Concentration ele Christian Beliefs Varies Minor or free elec Senior	TOTAL	15		TOTAL	15-16
Varies Concentration ele Varies Concentration ele Varies Concentration ele THEO/RELI Christian Beliefs varies Minor or free elec Senior	r – Fall	•		Junior – Spring	
Varies Concentration ele Varies Concentration ele Concentration ele Christian Beliefs Varies Minor or free elec Senior	thics (meets Ethics)	3	SOCI 310	Food, Power and Society (meets social sci)	3
Varies Concentration ele THEO/RELI Christian Beliefs varies Minor or free elec	ective	3	Varies	Concentration elective	3
THEO/RELI Christian Beliefs varies Minor or free elec	ective	3	GIS 245	Intro to Geo Info System (alt year) or major	
varies Minor or free elections Senior	ective	3		elective (ECON 117, POLI 113, BIOL 274,	3
Senio		3		SOCI 315 or STAT 269)	
	ctive	3	Varies	Concentration elective	3
			varies	Minor or free elective	3
	TOTAL	18		TOTAL	15
	or – Fall			Senior – Spring	
	ctive or study abroad	3	SUST 495	Capstone Sustainability	3
	ctive or study abroad	3	INTE 391	Internship	3
	ctive or study abroad	3	varies	Minor or free elective	3
	ctive or study abroad	3	varies	Minor or free elective	3
	ctive or study abroad	3	varies	Minor or free elective	3
	TOTAL	15		TOTAL	15

*QuEST requirement

ECON 117 and GIS 245 alternate years but BOTH occur in the same spring).

This does not include your AuSable Institute options of BIOL\AGRIC\GEOG 303- Tropical Agriculture which meets in May term in Costa Rica or BIOL\AGRIC\GEOG 343 International Development and Environmental Sustainability which meets in Washington State mid-July through Mid August. Financial Aid deadlines for these courses are 12/15 of the winter before, 2/15 and 3/15 of the course year.

III. Sociology 2020

III. THEATRE and DANCE

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Auditions

Students wishing to major in Theatre, Musical Theatre, or Dance must complete an audition for acceptance into the program. Three days are scheduled annually for auditions, one in the fall and two in early spring. Students are encouraged to attend one of the scheduled audition days however, they may also schedule auditions at other times during the year if they are not able to attend on the scheduled audition days. For more information please contact the Chair of the Department of Theatre and Dance.

Enrichment Program

Enrichment credits are typically earned during the junior year. Our students have enriched their Messiah education through theatre training at various programs such as Gaiety School of Acting, Dublin; Goldsmiths, University of London; and a variety of internships with professional theatre companies.

Senior Capstone Project

During the junior year each student proposes a Senior Capstone Project. This portfolio project represents the culmination of the student's training and serves as a bridge to graduate programs, professional theatre or other job opportunities.

Guidelines for Mathematical Sciences Courses

There is no specific math course required for Theatre majors. We recommend students enroll in MATH 101, MATH 102, or CIS 171 in their first year, unless you have had a pre-calculus course; then you should take MATH 107 or MATH 108. Statistical literacy is another important area of mathematical study, and STAT 269 is a course that gives a good introduction to statistical methods and meets the QuEST requirement.

Students with Advanced Placement credit

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics should go to the math department's website (www.messiah.edu/departments/mathsci/courses/ap_credit.html) to find out how credit is awarded for your scores.

8-semester Plans

 $\begin{tabular}{ll} \textbf{Dance (B.A.)} \\ \textbf{(Applies to students entering in 2019 The department has a 3-year rotation of courses)} \end{tabular}$

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall 2019			First Year – Spring 2020	
COMM 105	Fundamentals of Oral Communication*	3	Varies	1st language*	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
PHIL/RELI xxx	Philosophy/Religion* (1st or 2nd year)	3	Varies	Laboratory Science* (1st year)	3-4
VARIES	Mathematical Science* (1st year)	3-4	DANC 201	Ballet II (majors sections)	1
DANC 101	Ballet (major's sections)	1	DANC 111	Performance Ensemble	.5
DANC 111	Performance Ensemble	.5	DANC 2xx	Dance Technique 2xx	1
DANC 1xx	Dance Technique Ixx	1	Varies	1st Social Science, History* (1st or 2nd year)	3
	TOTAL	14.5-15.5		TOTAL	. 14.5
	Sophomore – Fall 2020	•		Sophomore – Spring 2021	•
Varies	2 nd language* (1 st or 2 nd year)	3	Varies	3 rd language or Cross Cultural* (2 nd or 3 rd year)	3
THEA 115	Theatre production Practicum	1	IDNW xxx	Non-Western Studies* (2 nd or 3 rd year)	2-3
DANC 301	Ballet III	1	BIBL 20x	Knowledge of the Bible* (1st or 2nd year)	3
DANC 3xx	Dance Technique 3xx	1	DANC 401	Ballet IV	1
DANC 305	Dance History	2	DANC 4xx	Dance Technique 4xx	1
ENGL xxx	Literature* (1 st or 2 nd year)	3	DANC 404	Choreography	2
Varies	2 nd Social Science, History* (1 st or 2 nd year)	3			
	TOTAL	14		TOTAL	. 12-13
	Junior – Fall 2021	Ţ		Junior – Spring 2022	
IDST xxx	Science, Tech, & World* (3 rd or 4 th year)	3	THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3
DANC 1xx	Dance Technique 1xx	1	IDS xxx	Ethics/Pluralism/World Views* (3rd or 4th year)	3
DANC 1xx	Dance Technique 1xx	1	DANC 111	Performance Ensemble	.5
THEA 150	Introduction to Tech and Design	3	DANC 2xx	Dance Technique 2xx	1
DANC 111	Performance Ensemble	.5	HPED 321	Kinesiology	3
Varies	Elective or minor	3	DANC 2xx	Dance Technique 2xx	1
Varies	Elective or minor	3	DANC 314	Improvisation	2
	TOTAL	14.5		TOTAL	. 13.5
Senior – Fall 2022				Senior – Spring 2023	
DANC 3xx	Dance Technique 3xx	1	DANC 4xx	Dance technique 4xx	1
THEA 475	Capstone Seminar	3	DANC 470	Capstone Practicum	1-3
DANC 111	Performance Ensemble	.5	DANC 111	Performance Ensemble	.5
DANC 304	Dance Ministry	3	DANC xxx	Dance Elective	3
DANC 105	Dance Pedagogy	2	Varies	Elective or minor or internship	3
Varies	Elective or minor	3	Varies	Elective or minor or internship	3
			Varies	Elective or minor or internship	3
	TOTAL	12.5		TOTAL 1	4.5-16.5

*QuEST requirement

NOTE: Dance majors need 24-28 free electives to meet the required 122 credits to graduate. A minor or second major is encouraged.

Musical Theatre (B.F.A.) 8 Semester Plan

(Applies to students entering in 2019. The department has a 3-year rotation of courses)

	Course name	Credits	Course #	Course name	Credits
	First Year – Fall 2019			First Year – Spring 2020	
IDFY 101	First Year Seminar*	3	Varies	1st language*	3
Varies	Philosophy/Religion* (1st or 2nd year)	3	IDCR 151	Created and Called for Community*	3
Varies	Mathematical Science* (1st year)	3	MUAP 111	Applied Voice	1
THEA 120	Acting I	3	THEA 223	Acting II	3
THEA 115	Production Practicum	1	DANC 201	Ballet II	1
DANC 101	Ballet I	1	THEA 260	Musical Theatre	3
MUAP 111	Applied Voice	1	MUEN	Music Ensemble	.5
SOCI/HIST	1st Social Science, History* (1st or 2nd yr)	3	MUGE 101	Fundamentals of Music Theory	3
	TOTAL	. 18		TOTAL	17.5
	Sophomore – Fall 2020	., .		Sophomore – Spring 2021	1110
Varies	2 nd language* (1 st or 2 nd year)	3	Varies	3 rd language or Cross Cultural* (2 nd or 3 rd year)	3
DANC xxx	Dance Technique I -(Tap or Modern)	1	BIBL 20X	Knowledge of the Bible* (1st or 2nd year)	3
THEA 115	Production Practicum	1	DANC xxx	Dance Technique II (Tap or Modern)	1
Varies	2 nd Social Science, History* (1 st or 2 nd year)	3	THEA 341	History of Theatre II	3
IDNW xxx	Non-Western Studies	2 - 3	THEA 323	Acting III	3
MUTH 101	Music Theory I	3	MUAP 111	Applied Voice	1
MUTH 107	Sight Singing	1	MUTH 108	Sight Singing	1
MUTH 111	Applied Voice	2	MUAP	Applied Piano / Keyboard	1-2
WOTTTTTT	Applied voice		MUEN	Music Ensemble	.5
			INIOLIN	Music Litserible	.0
	TOTAL	. 16-17			16.5-17.5
	Junior – Fall 2021			Junior – Spring 2022	
THEA 115	Production Practicum	1	THEA 115	Production Practicum	1
THEA 150	Introduction to Tech & Design	3	THEA 230	Directing I	3
DANC xxx	Dance technique I	1	Varies	Laboratory Science	3-4
THEA 240	Survey of Lit. and Crit.	3	THEA 325	Acting for Musical Theatre	3
MUAP 111	Applied Voice	2	DANC xxx	Dance technique II	1
MUEN xxx	Music Ensemble	.5	MUAP 111	Applied Voice	1
MUAP xxx	Applied Piano / Keyboard	1-2	DANC 404	Choreography	2
THEA 423	Acting IV	3	THEA 260	Musical Theatre or	3
I I I E A 423	Acting IV	J	or 460	Advanced Musical Theatre	J
	TOTAL	14.5-15.5		TOTAL	17-18
	Senior – Fall 2022			Senior – Spring 2023	
IDST xxx	Science, Tech, & World* (3 rd or 4 th year)	3	IDS xxx	Ethics/Pluralism/World Views* (3 rd / 4 th yr)	3
THEA 115	Production Practicum	1	THEA 260	Musical Theatre	3
THEA 420	Audition Techniques	3	DANC xxx	Dance Technique II	1
THEA 475	Senior Capstone Seminar	3	MUAP 111	Applied Voice	1
MUAP 111	Applied Voice	1	MUEN	Music Ensemble	.5
DANC xxx	Dance Technique	1	MUED 251	Conducting I	2
THEA 470	Senior Capstone Practicum	3	THEA 470	Senior Capstone Project	3
- · · ·			THEA 260		-
THEO 2xx	Christian Beliefs	3	or THEA	Musical Theatre or Advanced Musical Theatre	3
			100		

*QuEST requirement

We encourage students in this program to take summer on-line courses when available.

Theatre (B.A.) 8 Semester Plan

(Applies to students entering in 2019. The department has a 3-year rotation of courses)

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall 2019			First Year – Spring 2020	
IDFY 101	First Year Seminar*	3	Varies	1st language*	3
PHIL/RELI xxx	Philosophy/Religion* (1st or 2nd year)	3	IDCR 151	Created and Called for Community*	3
Varies	Mathematical Science* (1st year)	3	BIO/CHEM	Laboratory Science* (1st year)	3-4
THEA 115	Production Practicum	1	THEA 115	Production Practicum	1
THEA 150	Introduction to Tech and Design	3	THEA xxx	Theatre emphasis course	3
THEA 120	Acting I	3			
	TOTAL	16		TOTAL	13-14
	Sophomore – Fall 2020	•		Sophomore – Spring 2021	•
varies	2 nd language* (1 st or 2 nd year)	3	Varies	3 rd language or Cross Cultural* (2 nd or 3 rd year)	3
THEA 115	Production Practicum	1	BIBL 20X	Knowledge of the Bible* (1st or 2nd year)	3
THEA xxx	Theatre emphasis course	3	WELL xxx	Wellness Course* (1st or 2nd year)	1
IDNW xxx	Non-Western Studies	2-3	THEA 115	Production Practicum	1
varies	electives	3-6	THEA xxx	Theatre emphasis course	3
			varies	electives	3-6
	TOTAL	12-16		TOTAL	. 14 - 17
	Junior – Fall 2021	•		Junior – Spring 2022	•
			THEO 2XX	Christian Beliefs* (2 nd or 3 rd year)	3
SOCI/HIST	1st Social Science, History* (1st or 2nd year)	3	SOCI/HIST	2 nd Social Science, History* (1 st or 2 nd year)	3
THEA 115	Production Practicum	1	THEA 115	Production Practicum	1
THEA 240	Survey of Dramatic Lit and Crit	3	THEA xxx	Theatre emphasis course	3
varies	electives	3-6	varies	Literature* (1st or 2nd year)	3
THEA xxx	Theatre emphasis course	3	THEA 340	History of Theatre I	3
	TOTAL	13-16		TOTAL	. 16
	Senior – Fall 2022	_		Senior – Spring 2023	_
IDST xxx	Science, Tech, & World* (3rd or 4th year)	3	IDS xxx	Ethics/Pluralism/World Views* (3rd or 4th year)	3
THEA 115	Production Practicum	1	THEA 115	Production Practicum	1
THEA 470	Theatre Capstone Seminar	3	THEA xxx	Theatre emphasis course	3
THEA 475	Theatre Capstone Project	1-3	THEA 475	Theatre Capstone Project	1-3
Varies	Free electives	4-6	Varies	Free electives	3-5
			THEA 341	History of Theatre II	3
	TOTAL	12-16		TOTAL	15-18

*QuEST requirement

- A minimum of 9 credits at a department approved enrichment institution or 9 credits of theatre or dance electives is needed.
- Acting Emphasis students need 2 credits of dance technique and 2 credit of applied voice lessons
- Directing and Technical & Design emphasis courses are all spring term courses
- 123 credits are needed to graduate.

Digital Media (B.A.) Church Media Concentration 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall 2018			First Year – Spring 2019	
IDFY 101	First Year Seminar	3	varies	2 nd language*	3
CIS 180	Introduction to Computer & Info. Science	3	IDCR 151	Created and Called for Community*	3
Varies	1st language*	3	DIGM 101	Foundations in Creative Digital Media	3
COMM 203	Basic Video and Editing	3	THEA 115	Production Practicum	1
ART xxx	Art Foundation (171, 182, 211, 251, 282)	3		Latin American Cinema	
AKTXXX	Art Foundation (171, 162, 211, 251, 262)	٥	IDNW 200	(ARTH 210, IDNW 321)	3
			CIS 181	Computer Programming I	3
	TOTAL	15		TOTAL	16-17
	Sophomore – Fall 2019			Sophomore – Spring 2020	
varies	3rd language or Cross Cultural*	3	BIO/CHEM	Laboratory Science*	3-4
COMM 217	Introduction to Film	3	BIBL 20X	Knowledge of the Bible* (1st or 2nd year)	3
THEA 150	Intro. to Tech. Production & Design	3	WELL xxx	Wellness Course* (1st or 2nd year)	1
ART 236/237	Graphic Design/Typography	3	CIS 191	Web Development: Client	3
ENGL xxx	Literature* (1st or 2nd year)	3	MUCM 353	Sound Design	3
DIGM 201	Video and Church Media Seminar	1	COMM 107	Fundamentals of Oral Communication	3
	TOTAL	16		TOTAL	16
	Junior – Fall 2020	•		Junior – Spring 2021	
THEO 2xx	Christian Beliefs* (2nd or 3rd year)	3	SOCI/HIST	2 nd Social Science, History* (1 st or 2 nd year)	3
SOCI/HIST	1st Social Science, History* (1st or 2nd year)	3	CHRM 210	Theology of Ministry	3
THEA 115	Production Practicum	1	COMM 382	History and Theory of Digital Media	3
ART xxx	336/338/431	3	THEA 250/350	Stage Manage./Scenographic Tech.	3
Varies	Free Electives	6	Varies	Philosophy/Religion	3
DIGM 202	Game and Art Design Seminar	1	THEA 115	Production Practicum	1
	TOTAL	17		TOTAL	16
	Senior – Fall 2021			Senior – Spring 2022	
Varies	Science, Tech, & World* (3rd or 4th year)	3	Varies	Ethics/Pluralism/World Views* (3rd or 4th year)	3
DIGM 490	Senior Seminar and Project	4	THEA 250/350	Stage Manage./Scenographic Tech.	3
Varies	Free Electives	6	Varies	DIGM Elective	3
Varies	DIGM Elective	3	Varies	Free Electives	6
	TOTAL	16		TOTAL	15

III. Art and Design

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Sophomore Review

All Studio Art and Art Education majors are required to go through the sophomore review, including transfer students new to the major and/or new to the College. Students in the BA studio program and Art Education majors typically go through the review during their fourth semester if they start as a first year student in the major. Students cannot put off the review if they are on campus. If the student is not on campus during that semester they must go through review in their 5th semester. Transfer students to the major must accumulate 9 studio credits prior to the review, and must have obtained at least sophomore standing. Transfer students with previous studio credits from other colleges will go through the review when they have earned more than 9 studio credits and have obtained at least sophomore standing.

Students are required to present a portfolio of the work that they have accomplished thus far in their program to a panel of studio faculty. The portfolio must include at least one project from each studio course they have taken (including works done at other colleges). B.A. and B.S. students are limited to approximately 12 pieces, and prepare a 10-12minute discussion with the panel. No work from high school may be included in this review. B.F.A. students may show up to 15 pieces, and prepare for 15 minutes with the panel.

The faculty panel rates the student's work, the presentation, student and classroom skill and responsiveness to academic advising. A single score is assigned. Students must score at least 55% to remain in the program. Students are also grouped into the top third, middle third and bottom third categories. Students in the bottom third category are urged to create a plan with the help of their advisor to reevaluate their goals and to plan for methods of improvement.

Guidelines for Mathematical Sciences Courses

Studio Art and Art History Majors:

There is no specific math course required for these majors. We recommend students enroll in MATH 101, MATH 102, or CIS 171 in their first year, unless you have had a pre-calculus course; then you should take MATH 107 or MATH 108. Statistical literacy is another important area of mathematical study, and STAT 269 is a course that gives a good introduction to statistical methods and meets the QuEST requirement.

Art Education Majors:

Students in these majors must take two mathematical science courses, which are usually taken during the first or second year. Any course with a MATH, CIS, or STAT prefix meets this requirement. Most students choose two of the following: MATH 101, MATH 102, CIS 171, MATH 107, MATH 108.

Students with Advanced Placement credit:

Requirements for courses in mathematical sciences can be met through Advanced Placement exam credit. Students who have taken AP exams in calculus, computer science, or statistics should go to the math department's website (www.messiah.edu/departments/mathsci/courses/ap_credit.html) to find out how credit is awarded for your scores.

8-semester plan

Art Education with K-12 Teaching Certification (B.S.)

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
COMM 105	Oral Communication* [^]	3	IDCR 151	Created and Called for Community*	3
IDFY 101	First Year Seminar*^	3	Varies	Mathematical/Computer Sciences*^	3
Varies	Mathematical/Computer Sciences*^	3	ART 182	Color and Design	3
ART 110	Visual Thinking and Digital Tools	3	ART 282	Form, Space, and Media	3
ART 171	Foundations of Drawing	3	ARTH 111	Intro to Art History	3
				Clearances must be completed.	
	TOTAL	15		TOTAL	. 15
	Combones Fall			Combonana Continu	
ENOL 4	Sophomore –Fall	1 0	DIII /DEI	Sophomore – Spring	
ENGL 1xx	Literature*^ (122-176)	3	PHIL/REL	Philosophy/Religion*	3
ART 201	Introduction to Art Education	1	BIBL xxx	Knowledge of the Bible*	3
EDUC 203	>Education Psychology^	3	EDUC 346	Sociocultural Perspectives on Education	3
EDSP 207	>Introduction to Special Education^	3	ARTH 150/151	Art History	3
TEP 210	>Field Experience^	0	ART xxx	Studio Art Concentration 2	3
ART xxx	Studio Art Concentration 1	3	ART xxx	Studio Art Cross Concentration 1:2	3
ART xxx	Studio Cross Concentration 1:1	3			
			April – Must have con	on due for educ. program. mpleted or in the process of completing required educ. egister for restricted courses.	
	TOTAL	16	Block of courses to re	TOTAL	. 18
	Junior – Fall			Junior – Spring	
ART 331	Art Instructional Design & Assessment	3	varies	Language 1*	3
ART 355/356	Elementary/Secondary Curr. Strategies	3	BIO/CHEM	Laboratory Science/STW	3
ARTH 209/309	History of Modern Art/Contemporary Art	3	EDSP 307	>Inclusion Practices	3
WELL1xx	Wellness course*	1	EDUC 308	>Instruct. & Assess. English Lang. Learners	3
ART xxx	Studio Art Concentration 3	3	TEP 310	>Field Experience	0
ART xxx	Studio Cross Concentration 2:1	3	ART xxx	Studio Art Concentration 4	3
			ARTxxx	Studio Cross Concentration 2:2	3
Nov.	1 st – Application due for professional semester.				
	TOTAL	16		TOTAL	. 18
	Senior – Fall			Senior – Spring	
varies	Language 2*	3	THEO 2xx	Christian Beliefs* (J-Term)	3
ARTH 210	Topics in Non-Western Art	3	TEP 407	Student Teaching Seminar	1
TEP 412	Pre-Student Teaching Experience in Art	0	TEP 437	Student Teaching	9
ART 355/356	Elementary/Secondary Curr. Strategies	3	1121 701	Olddon Todolling	
ART 48x	Advanced Studio Art	3			
ART 493	Art Seminar	3			
AINI 430	Ait Odilliidi	J			
	TOTAL	15		TOTAL	. 13

^{*}QuEST requirement

[^]Course must be completed by the end of the sophomore first semester in order to apply for the teacher education program.

>Courses must be taken together within the semester.

Graphic Design (B.F.A.) **8 Semester Plan**

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
COMM 105	Foundations of Oral Communication*	3	varies	Mathematical Sciences* (J-Term)	3-4
IDFY 101	First Year Seminar*	3	varies	Language 1*	3
varies	Laboratory Science*	3-4	IDCR 151	Created and Called for Community*	3
ART 110	Visual Thinking and Digital Tools	3	ART 182	Color and Design	3
ART 171	Foundations of Drawing	3	ARTH 111	Art Historical Methods and Theories	3
	TOTAL	15-16		TOTAL	. 15-16
	Sophomore –Fall			Sophomore – Spring	
varies	Langauge 2*	3	varies	2D or 3D studio (J-Term)	3
ARTH 209/309	History of Modern Art/Contemporary Art	3	varies	Language 3 or Cross Cultural*	3
ART 205	Design History and Theory	3	BIBL xxx	Knowledge of the Bible*	3
ART 282	Form, Space, and Media	3	Varies	Design Course	3
ART 237	Typography and Visual Communication	3	Varies	2D or 3D studio	3
20.	Typography and visual communication		Varies	Philosophy & Religion	3
	TOTAL	15		TOTAL	. 18
	husian Fall			Lucian Control	
	Junior – Fall	_	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Junior – Spring	
varies	1st Social Science or History*	3	Varies	2D or 3D studio (J-Term)	3
varies	Comm course (333/341/342/259)	3	IDST xxx	Science, Technology and the World	3
varies	Design Course	3	THEO 2xx	Christian Beliefs*	3
varies	Design Course	3	varies	Design Course	3
varies	Literature	3	varies	Design Course	3
WELL 1xx	Wellness	1	ARTH 209	Topics in Non-Western Art	3
	TOTAL	16		TOTAL	. 18
	Senior – Fall			Senior – Spring	
varies	2 nd Social Science or History*	3	IDS xxx	Ethics/Pluralism/World Views*	3
ART 483	Graphic Design Capstone	3	ART 494	Senior Art Exhibit	3
ART 493	Art Seminar	3	Varies	2D or 3D studio	3
Varies	Design Course	3	Varies	Design Course	3
Varies	Design Course	3	INTE 391	Internship	3
	TOTAL	15		TOTAL	. 15

^{*}Course meeting QuEST requirement

Studio Art (B.A.) 8 Semester Plan

IDFY 101	Course #	Course name	Credits	Course #	Course name	Credits
IDFY 101		First Year – Fall			First Year - Spring	•
varies Mathematical/Computer Sciences* 3 BIO/CHEM Laboratory Science 3-ART 110 Visual Thinking and Digital Tools 3 WELL 1xx Wellness course* 1 3-ART 1171 ART 1171 Foundations of Drawing 3 ART 182 Color and Design 3 ART 181 Intro to Art History 3 ART 182 Color and Design 3 ART 150 ART 180 ART 182 ART 182 ART 182 ART 182 ART 182 ART	COMM 105	Oral Communication*	3	varies		3
ART 110	IDFY 101	First Year Seminar*	3	IDCR 151		3
ART 171 Foundations of Drawing 3 ART 182 Color and Design 3 ART 171 Intro to Art History 3 3	varies	Mathematical/Computer Sciences*	3	BIO/CHEM	Laboratory Science	3-4
ART 171	ART 110		3	WELL 1xx		1
Sophomore - Fall Sophomore - Spring	ART 171		3	ART 182		3
Sophomore - Fall Sophomore - Spring		The state of the s		ARTH 111	Intro to Art History	3
varies Language 2* 3 varies Language 3 or Cross Cultural* 3 varies Literature 3 BIBL xxx Knowledge of the Bible* 3 PHIL/REL Philosophy/Religion* 3 ART 150/151 Art History 3 ART 282 Form, Space, and Media 3 ART xxx Studio Art Concentration Studies 2 3 ART 282 Studio Art Concentration Studies I 3 ART xxx Studio Art Cross Concentration 1 3 Junior – Fall Junior – Spring TOTAL 15 Junior – Spring ART 1209/309 History of Modern Art/Contemporary Art 3 ARTH 210 Topics in Non-Western Art 3 ART 209/309 History of Modern Art/Contemporary Art 3 ART XXX Studio Art Cross Concentration Studies 3		TOTAL	15		TOTA	L 16-17
varies Language 2* 3 varies Language 3 or Cross Cultural* 3 varies Literature 3 BIBL xxx Knowledge of the Bible* 3 PHIL/REL Philosophy/Religion* 3 ART 150/151 Art History 3 ART 282 Form, Space, and Media 3 ART xxx Studio Art Concentration Studies 2 3 ART 282 Studio Art Concentration Studies I 3 ART xxx Studio Art Cross Concentration 1 3 Junior – Fall Junior – Spring TOTAL 15 Junior – Spring ART 1209/309 History of Modern Art/Contemporary Art 3 ARTH 210 Topics in Non-Western Art 3 ART 209/309 History of Modern Art/Contemporary Art 3 ART XXX Studio Art Cross Concentration Studies 3		Sophomore –Fall			Sophomore – Spring	
varies Literature 3 BIBL xxx Knowledge of the Bible* 3 PHIL/REL Philosophy/Religion* 3 ART H 150/151 Art History 3 ART 282 Form, Space, and Media 3 ART xxx Studio Art Concentration Studies 2 3 ART xxx Studio Art Concentration Studies 1 3 ART xxx Studio Art Cross Concentration 1 3 Junior – Fall Junior – Spring IDST XXX Science, Technology and the World 3 THEO 2XX Christian Beliefs* 3 varies 1st Social Science or History* 3 varies 2nd Social Science or History* 3 ART XXX Studio Art Concentration Studies 3 3 ART XXX Studio Art Concentration Studies 4 3 ART XXX Studio Art Cross Concentration 2 3 ART XXX Studio Art Cross Concentration 3 3 ART XXX Advanced Concentration Studies 3 Varies Ethics/Pluralism/World Views* 3 ART 48X Advanced Concentration 4 3 varies	varies		3	varies		3
PHIL/REL Philosophy/Religion* 3 ART H150/151 Art History 3 ART 282 Form, Space, and Media 3 ART xxx Studio Art Concentration Studies 2 3 ART xxx Studio Art Concentration Studies 2 3 ART xxx Studio Art Cross Concentration 1 3 ART xxx Studio Art Cross Concentration 1 3 ART xxx Studio Art Cross Concentration 1 3 TOTAL 15 TOTAL 1						3
ART 282 Form, Space, and Media 3 ART xxx Studio Art Concentration Studies 2 3 ARTxxx Studio Art Concentration Studies I 3 ART xxx Studio Art Cross Concentration I 3 TOTAL 15 TOTAL 15 Junior – Fall Junior – Spring IDST XXX Science, Technology and the World 3 THEO 2XX Christian Beliefs* 3 3 ARTH 209/309 History of Modern Art/Contemporary Art 3 ARTH 210 Topics in Non-Western Art 3 3 ART XXX Studio Art Concentration Studies 3 3 ART XXX Studio Art Concentration Studies 4 3 ART XXX Studio Art Cross Concentration 2 3 ART XXX Studio Art Cross Concentration 3 3 ART XXX Studio Art Cross Concentration 2 3 ART XXX Studio Art Cross Concentration 3 3 ART 48X Advanced Concentration Studies 3 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5						3
ART xxx Studio Art Concentration Studies I 3 ART xxx Studio Art Cross Concentration 1 3 TOTAL 15 TOTAL 15 TOTAL 15 TOTAL 15 TOTAL 15 TOTAL 15 Senior - Fall Studio Art Cross Concentration 2 3 ART xxx Studio Art Cross Concentration 5 Senior - Fall Senior - Fall Studio Art Cross Concentration 2 3 ART 493 Art Seminar ART xxx Studio Art Cross Concentration 4 3 ART 494 Senior Art Exhibit 3 ART xxx Studio Art Cross Concentration 4 3 ART xxx Studio Art Cross Concentration 4 3 ART xxx Studio Art Cross Concentration 5 Senior - Fall Senior - Spring Senior - Sprin						3
Junior – Fall IDST XXX Science, Technology and the World 3 THEO 2XX Christian Beliefs* 3 3 4 Social Science or History* 3 ARTH 209/309 History of Modern Art/Contemporary Art 3 ARTH 210 Topics in Non-Western Art 3 ART XXX Studio Art Concentration Studies 3 3 ART XXX Studio Art Concentration Studies 4 3 ART XXX Studio Art Cross Concentration 2 3 ART XXX Studio Art Cross Concentration 3 3 ART 48X Advanced Concentration Studies 3 Varies Ethics/Pluralism/World Views* 3 ART 493 Art Seminar 3 ART 494 Senior Art Exhibit 3 ART 493 Art History Elective 3 Varies Free Elective 3 Varies Fre						3
IDST XXX		TOTAL	15		TOTA	L 15
IDST XXX		Junior – Fall			Junior – Spring	
varies 1st Social Science or History* 3 varies 2nd Social Science or History* 3 ARTH 209/309 History of Modern Art/Contemporary Art 3 ARTH 210 Topics in Non-Western Art 3 ART XXX Studio Art Concentration Studies 3 3 ART XXX Studio Art Concentration Studies 4 3 ART XXX Studio Art Cross Concentration 2 3 ART XXX Studio Art Cross Concentration 3 3 TOTAL 15 TOTAL 15 TOTAL 15 Senior – Spring ART 48X Advanced Concentration Studies 3 varies Ethics/Pluralism/World Views* 3 ART 493 Art Seminar 3 ART 494 Senior Art Exhibit 3 ART 3xx Art History Elective 3 varies Free Elective 3 ART xxx Studio Art Cross Concentration 4 3 varies Free Elective 3 Varies Free Elective 3 Varies Free Elective 3	IDST XXX		3	THEO 2XX		3
ARTH 209/309 History of Modern Art/Contemporary Art 3 ARTH 210 Topics in Non-Western Art 3 ART XXX Studio Art Concentration Studies 3 ART XXX Studio Art Concentration Studies 4 3 ART XXX Studio Art Cross Concentration 2 3 ART XXX Studio Art Cross Concentration 3 3 ART 48X Advanced Concentration Studies 3 varies Ethics/Pluralism/World Views* 3 ART 493 Art Seminar 3 ART 494 Senior Art Exhibit 3 ARTH 3xx Art History Elective 3 varies Free Elective 4						3
ART XXX Studio Art Concentration Studies 3 3 ART XXX Studio Art Concentration Studies 4 3 ART XXX Studio Art Cross Concentration 2 3 ART XXX Studio Art Cross Concentration 3 3 ART XXX Senior - Fall Senior - Spring ART 48X Advanced Concentration Studies 3 varies Ethics/Pluralism/World Views* 3 ART 493 Art Seminar 3 ART 494 Senior Art Exhibit 3 ART 493 Art History Elective 3 varies Free Elective 3 Varies 4 Varies Free Elective 4 Varies Free Elective 4 Varies Free Elective 4 Varies Free Elective 4 Varies 4 Varies Free Elective 4 Varies	ARTH 209/309		3	ARTH 210		3
ART XXX Studio Art Cross Concentration 2 3 ART XXX Studio Art Cross Concentration 3 3 TOTAL 15 TOTAL 15 Senior – Fall ART 48X Advanced Concentration Studies 3 varies Ethics/Pluralism/World Views* 3 ART 493 Art Seminar 3 ART 494 Senior Art Exhibit 3 ARTH 3xx Art History Elective 3 varies Free Elective 3 ART xxx Studio Art Cross Concentration 4 3 varies Free Elective 3 varies Free Elective 3 Varies Free Elective 3			3			3
Senior – Fall ART 48X Advanced Concentration Studies 3 varies Ethics/Pluralism/World Views* 3 ART 493 Art Seminar 3 ART 494 Senior Art Exhibit 3 ARTH 3xx Art History Elective 3 varies Free Elective 3 ART xxx Studio Art Cross Concentration 4 3 varies Free Elective 3 varies Free Elective 3		Studio Art Cross Concentration 2			Studio Art Cross Concentration 3	3
Senior – Fall ART 48X Advanced Concentration Studies 3 varies Ethics/Pluralism/World Views* 3 ART 493 Art Seminar 3 ART 494 Senior Art Exhibit 3 ARTH 3xx Art History Elective 3 varies Free Elective 3 ART xxx Studio Art Cross Concentration 4 3 varies Free Elective 3 varies Free Elective 3		TOTAL	15		TOTA	1 45
ART 48X Advanced Concentration Studies 3 varies Ethics/Pluralism/World Views* 3 ART 493 Art Seminar 3 ART 494 Senior Art Exhibit 3 ARTH 3xx Art History Elective 3 varies Free Elective 3 ART xxx Studio Art Cross Concentration 4 3 varies Free Elective 3 varies Free Elective 3		IOIAL	10		TOTA	L 13
ART 48X Advanced Concentration Studies 3 varies Ethics/Pluralism/World Views* 3 ART 493 Art Seminar 3 ART 494 Senior Art Exhibit 3 ARTH 3xx Art History Elective 3 varies Free Elective 3 ART xxx Studio Art Cross Concentration 4 3 varies Free Elective 3 varies Free Elective 3 Varies Free Elective 3		Senior – Fall			Senior – Spring	
ARTH 3xx	ART 48X	Advanced Concentration Studies	3	varies	Ethics/Pluralism/World Views*	3
ART xxx Studio Art Cross Concentration 4 3 varies Free Elective 3 varies Free Elective 3	ART 493	Art Seminar	3	ART 494	Senior Art Exhibit	3
ART xxx Studio Art Cross Concentration 4 3 varies Free Elective 3 varies Free Elective 3	ARTH 3xx	Art History Elective	3	varies	Free Elective	3
varies Free Elective 3 varies Free Elective 3			3		Free Elective	3
					····•	3
		TOTAL	15		TOTA	L 12

^{*}QuEST requirement

Studio Art (B.F.A.) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
COMM 105	Oral Communication*	3	MATH/CIS/STAT	Mathematical/Computer Sciences* (J-Term)	3-4
IDFY 101	First Year Seminar*	3	varies	Language 1*	3
varies	Laboratory Science*	3-4	IDCR 151	Created and Called for Community*	3
ART 110	Visual Thinking and Digital Tools	3	ART 182	Color and Design	3
ART 171	Foundations of Drawing	3	ARTH 111	Intro to Art History	3
	TOTAL	15-16		TOTAL	. 15-16
	Sophomore –Fall			Sophomore – Spring	
varies	Language 2*	3	ART xxx	Studio Art Cross Concentration 1:1 (J-Term)	3
varies	Literature	3	varies	Language 3 or Cross Cultural*	3
ARTH 150	Art History I	3	BIBL 20x	Knowledge of the Bible*	3
ART 282	Form, Space and Media	3	ARTH 151	Art History II	3
ART xx	Studio Art Concentration Studies I	3	ART xxx	Studio Art Concentration Studies 2	3
			ART xxx	Studio Art Cross Concentration 1:2	3
	TOTAL	15		TOTAL	. 18
	Junior – Fall			Junior – Spring	
PHIL 10x	Philosophy/Religion*	3	ARTxxx	Studio Art Cross Concentration 2:1 (J-Term)	3
varies	1st Social Science or History*	3	THEO 2xx	Christian Beliefs*	3
ARTH 209/309	History of Modern Art/Contemporary Art	3	IDST xxx	Science, Technology and the World	3
ART xxx	Studio Art Concentration Studies 3	3	ARTH 210	Topics in Non-Western Art	3
ART xxx	Studio Art Cross Concentration 1:3	3	ART xxx	Studio Art Concentration Studies 4	3
			ART xxx	Studio Art Concentration Studies 5	3
	TOTAL	16		TOTAL	. 18
	Senior – Fall			Saniar Saring	
varies	2 nd Social Science or History*	3	IDS xxx	Senior – Spring Ethics/Pluralism/World Views*	3
WELL 1xx	Wellness course*	1	PHIL 342	Aesthetics	3
ART 48X	Advanced Concentration Studies	3	ART 494	Senior Art Exhibit	3
ART 493	Art Seminar	3	ART xxx	Studio Art Concentration Studies 7	3
ART xxx	Studio Art Concentration Studies 6	3	ART xxx	Studio Art Concentration Studies 7 Studio Art Elective	3
ART xxx	Studio Art Concentration 3:2	3			J
	TOTAL	16		TOTAL	. 15

^{*}QuEST requirement

Digital Media (Interactive Design Concentration) (B.A) 8 Semester Plan

Course #	Course name	Credits	Course #	Course name	Credits
	First Year – Fall			First Year - Spring	
COMM 105	1st Language*	3	varies	2 nd Language*	3
IDFY 101	First Year Seminar*	3	IDCR 151	Created and Called for Community*	3
PHIL/RELI	Philosophy/Religion*	3	DIGM 105	Foundations in Creative Digital Media	3
CIS 180	Mathematical Sciences*	3-4	WELL1xx	Wellness course*	1
ADT 026 027	Graphic Design & Visual Cultures OR	3	ART 171, 182,	Found. of Drawing, Color & Design, Photography, or	3
ART 236, 237	Typography & Visual Communications	3	251, 282	Form, Space & Media*	3
			CIS 181	Computer Programming I	3
	TOTAL	15-16		TOTAL	16-17
	Sophomore –Fall		001414.005	Sophomore – Spring	
varies	3 rd Language or Cross Cultural*	3	COMM 225	Digital Editing (J-Term)	3
varies	Literature*	3	varies	Oral Communication*	3
COMM 217	Introduction to Film	3	BIBL 20x	Knowledge of the Bible*	3
ART 312	Digital Imaging	3	BIO/CHEM	Lab Science*	3-4
CIS 191	Web Development: Client Side	3	ART 337	Graphic Design & Prof. Practices	3
DIGM 210	Video and Church Media Seminar	1			
	TOTAL	16		TOTAL	15
	Junior – Fall			Junior – Spring	
IDST xxx	Science, Technology and the World	3	MUCM 353	Sound Design (J-term)	3
varies	2 nd Social Science or History*	3	THEO 2xx	Christian Beliefs* (2 nd or 3 rd year)	3-4
ARTH 210 or COMM 321, 327	Topic in NW Art or Latin American Cinema or Global Indigenous Media	3	ART 347, 420	Service Centered Design or Designer as Author	3
ART 336, 338, 352, 431	1st Interactive Design, Digital Illustration, Digital Photo or Motion Design	3	ART 336, 338, 431	Interactive Design, Digital Illustration, or Motion Design	3
Choice	Digital Media Elective 1	3	Choice	Digital Media Elective 2	3
DIGM 215	Game and Art Design Seminar	1			
	TOTAL	16		TOTAL	15-16
	Senior – Fall			Senior – Spring	
IDS xxx	Ethics/Pluralism/World Views*	3	COMM 382	History and Theory of Digital Media	3
DIGM 490	Senior Seminar and Project	4	INTE 3xx	Internship	1-9
ART 336, 338,	2 nd Interactive Design, Digital Illustration,		varies	Free Elective	3
352, 431	Digital Photo or Motion Design	3	valles	I ICC LICCLIVE	J
varies	1st Social Science or History*	3	varies	Free Elective	3
varies	Free Elective	3			
	TOTAL	46		TOTAL	40 45
	TOTAL	16		TOTAL	12-15

^{*}QuEST requirement

IV. Experiential Learning Initiative (ELI)

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Service Learning	
Off-Campus Programs	
Leadership	
Undergraduate Research	
Advising ELI	
ELI-Approved Research	

Experiential Learning Degree Requirement

The Experiential Learning Initiative (ELI) is a common learning requirement. ELI-approved experiences include the following categories: Internships/Practica, Service Learning, Leadership, Off-Campus Programs and Undergraduate Research.

ELI provides students with a structured framework to engage their chosen experience in a way that leads to enhanced self-awareness, career preparation and community engagement opportunities. The ELI aims to teach and prepare students to articulate their "Messiah story" and the tangible impact of their experiences in a way that is meaningful to prospective employers, graduate programs and their communities.

- Students are introduced to the ELI through the CCC course.
- Students must have completed a minimum of **24 credits** prior to completing an approved experience to fulfill their ELI requirement. For transfer students, credits from other institutions will be considered toward the 24 credit requirement.
- Students should check their degree audit and also consult their academic advisor on whether or not a requirement in their major fulfills their ELI requirement.
- Prior experiences that occur outside of Messiah are not eligible to meet the ELI requirement.

While students only need to complete one of the experiences to fulfill their ELI requirement, they are encouraged, as manageable, to consider doing more than one of these experiences.

ELI experiences include several distinctive features:

- At the beginning of the experience, students develop learning objectives based on the common ELI reflection prompts.
- At the conclusion of the experience, students reflect on the outcomes of their stated learning objectives, and create a "career application" showcasing the "So what?" of their experience in a way that is contextualized for a targeted external audience (employer, graduate school, etc.). Sample career applications include a résumé, ePortfolio, personal website and LinkedIn profile.
- Students receive feedback from their ELI advisor on the establishment of and progress toward learning objectives/outcomes at least three times during their experience.

As a result of engaging in the ELI, students will be able to articulate the tangible impact of their experience on their academic learning, personal and professional development, and community contributions.

ELI Options

(Note: Certain types of experiences have been revised to include the components of ELI, thus meeting the ELI requirement. For others, particularly department-based research and practica, a corresponding proposal must be submitted to and approved by the respective ELI advisory team.)

Internships/Practica

- All credit-bearing internships that are supervised through the centralized Internship Program in the Career and Professional Development Center (CPDC) have been updated to include the ELI components, thereby meeting the ELI requirement.
- Academic departments interested in offering practicum courses or individual student practicum experiences. If approved for ELI, department offers practica as ELI-embedded (all students enrolled). More information about ELI practica, including the faculty proposal form, appears at: https://www.messiah.edu/info/22286/eli_experiences/3118/eli_internshippracticum_options
- ELI advisors for this experience include CPDC staff for internships and faculty supervising ELI-approved practica.

Service Learning

- Beginning in 2016–2017, all officially-designated service learning courses will have been revised to incorporate ELI components, thereby meeting the ELI requirement.
- Faculty who wish to teach a service learning experience must complete the ELI Service Learning Proposal Form at https://www.messiah.edu/info/22286/eli_experiences/3117/eli_service_learning_options
- ELI advisors for this experience include faculty teaching ELI-approved service learning courses.

Off-Campus Programs

- All experiences through the Intercultural Office have been updated to include the ELI
 components, thereby meeting the ELI requirement when the student successfully completes the
 embedded ELI requirements.
- ELI advisors for this experience include Intercultural Office staff and faculty overseeing cross-cultural courses.
- More information about options in this area appear at https://www.messiah.edu/info/20698/off-campus_program_information

Leadership

- Approximately 160 leadership positions (but not all leadership positions) have incorporated the ELI components, and therefore meet the ELI requirement.
- Students can find the list of pre-approved positions at https://www.messiah.edu/info/20885/student_involvement_and_leadership_programs/3119/eli_leadership_options. Instructions for registering for an ELI leadership experience are included.
- ELI advisors for this experience include educators who supervise ELI-approved leadership positions.

Undergraduate Research

- Students must communicate to their supervising faculty member their interest in having their research project fulfill the ELI requirement.
- Faculty who desire to deliver a research experience to meet a student's ELI requirement must complete the ELI Approval Form at https://www.messiah.edu/info/22286/eli_experiences/3258/eli_options_for_undergraduate_research.
- ELI advisors for this experience include faculty supervising ELI-approved research.

• Departments may offer optional ELI research experiences; contact chair to determine whether options exist in major.

Advising ELI

Experience	Embedded or Optional**	Minimum GPA	Registration Notes
Internship*	Embedded	Yes	No additional steps needed beyond course registration INTE 391 or 394.
Practicum*	Embedded	No	No additional steps needed beyond course registration for appropriate practica, which must have been previously approved. Currently approved options within specific departments appear on page 5.
Leadership*	Embedded	Yes - varies	Register for ELIR 020 in spring of year in which leadership complete. (Permission of advisory team co-chairs required.) Note: December grads register in fall.
Off-Campus Semester Long Programs*	Embedded	Yes	No additional steps needed beyond course registration
Cross-Cultural Courses*	Embedded	No	No additional steps needed beyond course registration
Research	Optional	Varies	Register for ELIR 040 in semester during which project will be completed, in addition to research course, if credit bearing. (Permission of advisory team co-chairs required.) Currently approved options within specific departments appear on page 5.
Service-Learning*	Embedded	No	No additional steps needed beyond course registration

^{*}Requires advance application for experience by student. Please see www.messiah.edu/eli for more information about each particular experience type.

ELI advisory team co-chair contacts may be found here.

^{**} All students participating in embedded ELI options will complete the necessary components. Students pursuing experiences which are optional in nature, must have the experiences approved by the relevant advisory team.

IX. STUDENT FINANCIAL AID

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The Messiah University Financial Aid Office

Messiah University has realigned Financial Aid and Student Account functions in order to maximize service delivery to students, streamline process and eliminate redundancies.

• Student Financial Services (SFS) in the first floor of Old Main administers the customer service and counseling driven functions. The Student Financial Services Office is open Monday through Friday, 8:00 a.m. to 5:00 p.m.

Our mission is to provide information, counseling, and financial services to help students, their families and their sponsors successfully navigate the financial maze encountered when obtaining a college education. Our employees serve as advisors, problem-solvers, advocates and educators, acting at all times fairly, compassionately and with the highest standards of ethical behavior and fiscal accountability.

Our Student Account Coordinators and Counselors are charged to:

- Connect students to the resources they need to take full advantage of the Messiah experience
- Ensure that the student has a successful administrative experience at Messiah University
- Assist students and their families develop a strategy for managing the costs and challenges presented from act of pursuing a college education
- Anticipate student needs with proactive steps and structures

We are your source for answers regarding bills, payments, financial aid, refunds, parking, and University ID cards. Please contact us at studentfinsvcs@messiah.edu or 717-691-6004 if you have any questions.

• **Financial Aid Office** (basement of Old Main) provides back office leadership and financial aid processing, as well as ensuring that the University complies with Government regulations and institutional policy. The Financial Aid Office is open Monday through Friday 8:30 a.m. to 4:30 p.m. http://www.messiah.edu/info/21314/financial_aid_for_undergraduate_programs

Financial Aid Office

Messiah University
One University Avenue Suite 3006
Mechanicsburg PA 17055
Phone: 717.691.6007 (ext. 6007)
finaid@messiah.edu

The Messiah University Financial Aid Office mission is to serve students, parents, our Messiah University colleagues and the community by providing information and services to enable students to attain the funding necessary to realize their educational goals.

Both offices are prepared for consultation with students and their parents planning to finance a college education. Messiah University offers merit-based academic scholarship programs, grants and scholarships based on a combination of merit and need, and tuition discounts. Assistance is also available through

federal, state, and private funds administered by the University in the form of grants, loans, and work study.

Each year, the Financial Aid Office publishes a webpage entitled Financial Aid Policies. This information contains many more details about financial aid policies and procedures than can be included in the Advising Handbook, and contains updates, which occur between publications of the Handbook. The combination of these publications should give each student the opportunity to be well informed about the financial aid policies which affect them. This information is available on the Financial Aid Office webpage at www.messiah.edu/info/21385/policies_and_resources- choose appropriate year.

Institutional Forms of Financial Aid

Virtually all students begin their enrollment at Messiah University with either an academic scholarship or a need-based grant from Messiah. Many have more than one form of institutional aid, and most students receive this aid for four years of enrollment.

Basic forms of institutional financial aid with renewal criteria: (Award Amounts for 2018-19) (Please note that you will see students with different amounts than these because award amounts change from year to year.)

SCHOLARSHIP NAME	ANNUAL AMOUNTS	RENEWAL CRITERIA	C O M M E N T S
Trustees' Scholarship	Full tuition in student's 1st year	Students must earn a 3.3 GPA (1st yr) and a 3.6 GPA each following academic year. This GPA requirement can be met with either the yearly or cum GPA, but once the student loses the scholarship, it cannot be regained by improving either GPA.	
President's Scholarship	\$5,000	Students must earn a 3.2 GPA (1st yr) and a 3.4 GPA each following academic year. This GPA requirement can be met with either the yearly or cum GPA, but once the student loses the scholarship, it cannot be regained by improving either GPA.	New students are now awarded \$5,000 and can keep their Provost's Scholarship in combination with their President's Scholarship. Many upper class students will have the \$20,000 amount awarded in past years.
Provost's Scholarship	\$11,000 - \$15,000	The following GPA requirement can now be met on a yearly basis or with the cum GPA: Students must earn a 2.8 GPA (1st yr) and a 3.0 GPA each following academic year.	A student who loses a Provost's Scholarship can regain it in a future year by attending for a year without the scholarship and achieving the necessary GPA over the two semesters of that academic year.
Dean's Scholarships in Art, Dance, Music, Theatre, Humanities	Typically these range from \$1,000 to \$2,500, but can be higher	The various departments manage the renewal of these scholarships and have variations in their requirements. Check with the department for renewal criteria	Most departments have some sort of performance standard in addition to a GPA requirement.

Full Tuition Lloyd and Lois Martin Multicultural Scholarship	Full tuition in student's 1st year	Students must earn a 2.5 GPA first year and a 3.0 GPA each following academic year. This GPA requirement can be met with either the yearly or cum GPA, but once the student loses the scholarship, it cannot be regained by improving either GPA.	
Lloyd and Lois Martin Multicultural Scholarship (Martin's Scholar)	\$5,000	Students must earn a 2.5 GPA first year and a 3.0 GPA each following academic year. This GPA requirement can be met with either the yearly or cum GPA, but once the student loses the scholarship, it cannot be regained by improving either GPA.	New students are now awarded 5,000 and can keep their Provost's Scholarship in combination with their Martin Scholarship. Many upper class students will have the \$20,000 amounts awarded in past years.
Amigo Scholarship	\$16,000	Students must earn a 2.5 GPA first year and a 3.0 GPA each following academic year. This GPA requirement can be met with either the yearly or cum GPA, but once the student loses the scholarship, it cannot be regained by improving either GPA.	No new awards made for fall 2019, but some upper class students will have this.
Amigo Commendation	\$1,000	Students must make regular satisfactory academic progress.	
Faculty Scholarship	\$1,000	Students must earn a 3.2 GPA (1st yr) and a 3.4 GPA each following academic year. This GPA requirement can be met with either the yearly or cum GPA, but once the student loses the scholarship, it cannot be regained by improving either GPA.	This program is a sub-set of the President's Scholarship program and has the same renewal criteria.
Flowers Scholarship	\$2,000	Students must earn a 2.5 GPA first year and a 3.0 GPA each following academic year. This GPA requirement can be met with either the yearly or cum GPA, but once the student loses the scholarship, it cannot be regained by improving either GPA.	This program is a sub-set of the Martin Multicultural Scholarship program and has the same renewal criteria.
Messiah University Grant	\$100 - \$12,000	Students must make regular satisfactory academic progress and continue to have financial need.	

Messiah University Scholarship	\$1,000 - \$9,500	Students must make regular satisfactory academic progress.	This amount varies quite a bit depending on what year the student started. Typical amounts are \$6,000 to \$9,500.
Merit Scholarship Recognition	\$1,000	Students must make regular satisfactory academic progress.	We are no longer participating in the actual National Merit Scholar program, but we continue to recognize these students with a strictly institutional award.
Covenant Scholarship	\$500	Students must make regular satisfactory academic progress.	

Other Sources and Types of Financial Aid

- In addition to aid from Messiah University, many students also receive aid from the federal or state government, and/or private sources.
- Financial Aid can be in the form of gift aid (grants or scholarships), loans, and work.
- Students need to file the Free Application for Federal Student Aid (FAFSA) in order to apply for most forms of financial aid (except for academic scholarships and institutionally funded jobs Federal Work-Study recipients must file a FAFSA).

Role of Academic Advisors in Financial Aid

- Be sure to advise students to contact the Financial Aid Office if they express concerns regarding finances.
- Be aware that, while substantial financial aid is available to many students, there are situations where the student will need to borrow significant amounts of money to pay for their education.

Points to Remember When Advising Students

- Students will have financial aid problems if they do not make Satisfactory Academic Progress (details below). Please make sure the student understands that dropping classes could negatively impact future aid eligibility if the appropriate number of credits are not completed. If uncertain, have the student check with the Financial Aid Office for specifics of their situation before you approve the dropping of classes.
- 2. Most academic scholarships do have a GPA requirement for continuation of the scholarship. (See chart above).
- 3. The Provost's Scholarship can be regained in a future year if a student improves their <u>yearly or cum</u> GPA to the minimum required. There is no probationary semester for the Provost's Scholarship, but we will replace up to half of the lost scholarship with Messiah University Grant <u>if</u> the student has unmet financial need.
- 4. The Trustee's, President's, and full-tuition Martin's all have a probationary semester, but do NOT offer the opportunity to regain the scholarship after it has been lost.
- 5. Students can appeal loss of financial aid (either because of GPA for academic scholarships or loss of other aid because of lack of SAP) for unusual circumstances OUTSIDE OF THEIR CONTROL. Typically this would be a medical issue, and always requires documentation of the situation.

Satisfactory Academic Progress

- All students (including international students) enrolled at Messiah University are subject to the academic standards of the University.
- The Higher Education Act of 1965 mandates institutions of higher education to establish minimum standards of Satisfactory Academic Progress (SAP) for students receiving financial aid.
- In order to continue to receive financial aid, students must meet the SAP standard.
- The Program Integrity Regulations issued October 29, 2010 (effective July 1, 2011) modified these requirements, meaning that a new SAP policy was in place starting with the 2011-2012 academic year.

Visit the Financial Aid Office polices webpage at: www.messiah.edu/info/21385/policies_and_resources

Choose the appropriate academic year and then navigate down the page to the undergraduate and graduate Satisfactory Academic Progress policies.

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Majors

Art and Design

Art Business (B.A.) No longer accepting students after Fall 2020.

Art Education (K–12) (B.S.) with concentrations in:

Graphic Design and Digital Art

Three-Dimensional Studies

Two-Dimensional Studies

Art History (B.A.) No longer accepting students after Fall 2020.

Graphic Design (B.F.A.)

Studio Art (B.A. and B.F.A.) with concentrations in

Graphic Design and Digital Art (B.A. only)

Three-Dimensional Studies

Two-Dimensional Studies

Biblical and Religious Studies

Biblical and Religious Studies (B.A.) with concentrations in:

Bible

Religion

Theology

World Christianity

Christian Ministries (B.A.) with concentrations in:

Congregational Ministries

Cross-Cultural Ministries

Youth Ministries

Biological Sciences

Biology (B.S.) with concentrations in:

Biomedical

Cellular

Ecological

General

Organismal

Biology with Secondary Teaching Certification (B.S.)

Biopsychology (B.S.)

Environmental Science (B.S.)

Molecular Biology (B.S.)

Sustainability Studies (B.A.) with Conservation and Agriculture concentration

Business

Accounting (B.S.)

Business Administration (B.A.)

Business Administration (B.S.) with concentrations in:

Entrepreneurship

Human Resource Management

Leadership

Technology and Operations Management

Economic Development (B.A.)

Economics (B.A.)/(B.S.)

Finance (B.S.)

International Business (B.S.)

Marketing (B.S.)

Chemistry and Biochemistry

Biochemistry (B.A.)/(B.S.)

Biochemistry (B.S.) American Chemical Society certified

Chemistry (B.A.)/(B.S.)

Chemistry (B.S.) American Chemical Society certified

Chemistry with Secondary Teaching Certification (B.A.)

Communication

Broadcasting and Media Production (B.A.)

Communication (B.A.)

Film and Media Arts (B.A.)

Journalism (B.A.)

Public Relations (B.A.)

Computing, Mathematics, and Physics

Actuarial Science (B.S.)

Computer and Information Science (B.S.) with concentrations in:

Business Information Systems

Computer Science

Software Development

Web Development

Computer Science with Teaching Certification (B.A.)

Cybersecurity (B.S.)

Mathematics (B.A.)

Mathematics with Secondary Teaching Certification (B.A.)

Physics (B.A.)/(B.S.)

Physics with Secondary Teaching Certification (B.A.)

Education (Programs leading to certification in grades K-12 and 7-12 are housed in their primary academic department)

Education with Teaching Certification in Grades PreK-4 (B.S.)

Education with Dual Teaching Certification in Grades PreK-4 and Special Education PreK-8 (B.S.)

Education with Teaching Certification in Grades 4-8 (B.S.) with concentrations in:

English

Math

Science

Social Studies

Math and English

Math and Social Studies

Science and English

Science and Math

Science and Social Studies

Special Education with Teaching Certification (N-12)

Engineering

Engineering (B.S.E.) with concentrations in:

Biomedical

Civil

Computer

Electrical

Environmental

General

Mechanical

Biomedical Engineering (BSBME)

Civil Engineering (BSCE)

Electrical Engineering (BSEE)

Mechanical Engineering (BSME)

English

English (B.A.) with concentrations in:

Creative Writing

Literature

Professional Writing

English with Secondary Teaching Certification (B.A.)

Health, Nutrition and Exercise Science

Applied Health Science (B.S.) with concentrations in:

Exercise Science

Pre-Athletic Training

Pre-Occupational Therapy

Pre-Physical Therapy

Pre-Professional

Health and Physical Education (K-12) (B.A.)

Nutrition and Dietetics (B.S.)

Sport Management (B.A.)

History

History (B.A.) with optional concentrations in:

Administrative Studies

American History

Classical and Medieval European History

Modern European History

Public History

World History

History with Secondary Social Studies Teaching Certification (B.A.)

Human Development and Family Science

Family and Consumer Sciences Education (K–12) (B.S.)

Human Development and Family Science (B.A.)

Modern Languages

Chinese Business (B.A.) No longer accepting students after Fall 2020.

Chinese Studies (B.A.)

Chinese Studies with K-12 Teaching Certification (B.A.)

French (B.A.) No longer accepting students after Fall 2020.

French with K-12 Teaching Certification (B.A.) No longer accepting students after Fall 2020.

Spanish (B.A.)

Spanish Business (B.A.) No longer accepting students after Fall 2020.

Spanish with K-12 Teaching Certification (B.A.)

Music

Music Business (B.A.) No longer accepting students after Fall 2020.

Music (B.A.) with concentrations in:

Commercial Music

Composition

Music Education (K–12) (B.S.)

Music (Music and Worship) (B.A.)

Music Performance (B.M.)

Nursing

Nursing (B.S.N.)

Philosophy

Philosophy (B.A.)

Politics and International Relations

Politics and International Relations (B.A.) with concentrations in:

International Relations

Political Studies

Psychology

Biopsychology (B.S.)

Psychology (B.A.) with optional concentration in Counseling

Psychology (B.S.)

Psychology (B.S.) with Pre-Occupational Therapy / Occupational Therapy MSOT

School of the Arts

Digital Media (B.A.) with concentrations in:

Interactive Design (Department of Art and Design)

Church Media (Department of Theatre and Dance)

Digital Video and Story (Department of Communication)

Mobile Application and Game Design (Department of Computer and Information Science)

School of the Humanities

Ethnic and Area Studies (B.A.) No longer accepting students after Fall 2020.

with concentrations in:

African and African American Studies

Asian Studies

U.S. Ethnic Studies

Peace and Conflict Studies (B.A.)

Social Work

Social Work (B.S.W.)

Sociology

Sociology (B.A.) with concentrations in:

Anthropology

Criminology

Urban Studies

Sustainability Studies (B.A.) with Community Development concentration

Theatre and Dance

Dance (B.A.)

Musical Theatre (B.F.A.)

Theatre (B.A.)

Theatre Business (B.A.) No longer accepting students after Fall 2020.

3+ Accelerated Bachelor's / Graduate Degree Collaborations

Politics (B.A.) /M.S. in Public Policy and Management) - Carnegie Mellon University

Applied Health Science (B.S.)/M.A.T. in Athletic Training – Messiah College

Applied Health Science (B.S.)/M.S.O.T in Occupational Therapy– Messiah College

Psychology (B.S.)/M.S.O.T. in Occupational Therapy– Messiah College

Pre-Health and Professional Programs

Pre-Dental Pre-Optometry
Pre-Chiropracty Pre-Pharmacy

Pre-Forensic Science Pre-Physical Therapy
Pre-Law Pre-Physician's Assistant

Pre-Medical (allopathic and osteopathic)
Pre-Podiatry
Pre-Occupational Therapy
Pre-Veterinary

Teacher Certification Programs

(Programs leading to certification in grades K-12 and 7-12 are housed in their content-specific academic department)

Art Education (K–12) Grades 4-8

Biology (7–12) Special Education (N-12)

Chemistry (7–12)

Chinese (7-12)

English (7–12)

Computer Science (7-12) Family & Consumer Sciences (K-12) Education Health and Physical Education (K-12)

PreK-4 Mathematics (7–12)

PreK-4 & Special Education PreK-8 Music (K–12)

Physics (7-12)

Social Studies (7–12)

Minors

Art and Design

Studio Art

Biblical and Religious Studies

African-American Religion and Culture

Bible

Congregational Ministries

Cross Cultural Ministries

Religion

Theology

World Christianity

Youth Ministries

Biological Sciences

Biology

Environmental Science

Sustainability Studies

Business

Accounting

Business Administration

Economic Development

Economics

Finance

Human Resource Management

International Business

Leadership

Marketing

Chemistry and Biochemistry

Chemistry

Communication

Broadcasting and Media Production

Communication

Journalism

Public Relations

Computing, Mathematics, and Physics

Business Information Systems

Computer Science

Mathematics

Physics

Statistics

Web Development

Education

Early Childhood Education

Education

Socio-Cultural Perspectives on Education

Speech and Language Pathology

Special Education

Spanish (K–12)

Teaching Engl. to Speakers of Other Lang.

Engineering

Biomedical Engineering

Civil Engineering

Electrical Engineering

Environmental Engineering

Mechanical Engineering

English

Creative Writing

English

Health, Nutrition and Exercise Science

Foods and Nutrition

Health and Exercise Science

Sport Management

History

Classical, Medieval and Renaissance Studies

History

Human Development and Family Science

Children & Youth Services

Disability and Family Wellness

Gerontology

Human Development and Family Science

Multicultural Families

Pre-Counseling and Therapy

Modern Languages

Chinese Studies

French

Spanish

Music

Music

Music and Worship

Philosophy

Philosophy

School of the Humanities

Ethnic and Area Studies

Politics and International Relations

Politics and International Relations Pre-Law

Psychology

Pre-Counseling and Therapy Psychology

Social Work

Human Services

Sociology

Anthropology Criminology Gender Studies Sociology Urban Studies

Theatre and Dance

Dance Theatre

School of Humanities

Digital and Public Humanities Peace and Conflict Studies

Certificates

Digital Marketing TESOL

VI. ADVISING RESOURCES

Advising Resources

This section provides a list of some of the advising resources for Messiah College advisors and students. Websites are provided for each office so that advisors and students may find the most up-to-date information.

The Agape Center for Service Learning

See http://www.messiah.edu/agape

The Career and Professional Development Center

The Career Center and Internship Center provides information and resources for students as they explore their major and career options. For more information go to www.messiah.edu/career

The Engle Center

The Engle Center for Counseling and Health Services provides a wealth of information for students, educators and advisors. A web page designed specifically for educators contains information about counseling and health services, how to recognize and respond to students in difficulty, how to refer, and information about medical leave. For more information go to http://www.messiah.edu/info/20898/educators

Experiential Learning http://www.messiah.edu/info/21610/experiential_learning_initiative

The Intercultural Office

Located in the Larsen Student Union, the Intercultural Office at Messiah College houses three distinct but interconnected areas: Off-Campus Programs, Multicultural Programs and International Student Programs. These equally important programs work in close collaboration to carry out the overall mission of the Intercultural Office: To embrace the diversity of the body of Christ by creating and providing safe, transformative learning environments and opportunities for students to engage the world as reconcilers and servant leaders at home and abroad. For more information, go to the Intercultural Office general webpage: http://www.messiah.edu/offices/intercultural/

VII. ACADEMIC POLICIES

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Academic Assistance

Academic Advisors. Each student is assigned to an academic advisor based upon the student's major.

Support Services for Students. The College provides a variety of resources to students, including the Office of Disability Services, the Career Center for Vocation and Development, and the Engle Center for Health and Counseling.

Math Help. The Math Help Room offers free, walk-in peer tutors for help with problems in math, physics, and statistics courses. Hours are Monday - Thursday, 7-9 p.m. in Frey Hall room 367. For more information, contact Dr. Doug Phillippy.

Study Skills Courses. GEST 041 Foundational Study Skills is offered each semester and is mandatory for conditionally admitted first year students. GEST 043 Supplemental Study Skills is open to all students.

The Writing Center. Any student at any stage in the writing process—from understanding an assignment and finding a topic to composing and revising a draft—may find assistance and encouragement at the Writing Center. Trained peer tutors advise and support student clients who visit the Writing Center, helping them become more confident and adept writers. The Writing Center is located within the Learning Commons of Murray Library

The Learning Center. The **Learning Center** (located in Murray Library) provides students with assistance in achieving and maintaining the level of academic proficiency necessary to be successful in Messiah College's rigorous intellectual environment. Beneficial to students at all levels of competence, both individual and small group tutoring is offered free of charge. Trained tutors who have excelled in the courses in which they are providing assistance offer tutoring in a number of subjects, including, but not limited to, Biology, Chemistry, Nursing, Spanish, Math, and Music Theory. In addition, tutors are capable of providing assistance with various academic skills such as time management, test-taking, textbook reading, note-taking and memory enhancement.

Supplemental Instruction (SI) is a program that targets "high risk courses" rather than "high risk students." The College pays trained Supplemental Instruction Leaders to attend selected class lectures, take notes, read course material, then plan and conduct two 1.5 hour review sessions outside of class each week. The SI review sessions are interactive and utilize a variety of collaborative learning techniques as they combine how-to-learn with what-to-learn. Students acquire effective study strategies as they review course material and prepare for tests. The sessions are not remedial, but benefit all who attend. Statistical data suggest that students who attend SI sessions earn one-half to a full letter grade higher than those who choose not to attend..

Disability Services. Students with disabilities requiring accommodation in classes, programs, or services can arrange for adjustments through the Disability Services office. Students are required to self-identify, present current documentation of eligibility (three years or newer) and specify needed accommodations. Following verification of eligibility, an accommodation profile is developed with the student. Faculty or staff needing to make accommodations are then notified of the student's eligibility and provided with a list of suggested accommodations. Students who think they may have a disability are encouraged to meet with the Director of Disability Services. All communication remains confidential. Contact: Ms. Amy Slody, ext. 7258. For more information refer to the "Students with Disabilities" tab.

Academic Progress Alert. When a student's progress in a course is at risk (e.g., low test scores; missing assignments; lack of attendance), the faculty member is encouraged to initiate an "Academic Progress Alert." This email communication will be sent to the student and copied to members of the campus community who have a confirmed relationship with the student (e.g., academic advisor, athletic coach, office mentor, residence director, etc.). This alert is intended to motivate a student to seek the appropriate assistance and to notify those members of the campus community who may be in regular contact with the student.

Academic Definitions

Bachelor of Arts. The B.A. degree is conferred for completion of a program with focus on broad and liberal education in the humanities, arts, social sciences, and sciences. Curricula leading to the B.A. emphasize ways of knowing and approaches to understanding consistent with the liberal arts. B.A. requirements typically promote broad preparation within the discipline and among related fields.

Bachelor of Science. The B.S. degree is conferred for completion of a program with focus on in-depth education in the sciences, social sciences, or professional fields. Curricula leading to the B.S. emphasize ways of knowing and approaches to understanding consistent with the sciences and/or professional or preprofessional preparation. B.S. requirements typically promote depth of preparation within a discipline and/or related disciplines.

Specialized Degrees. Messiah College may offer specialized degrees such as Bachelor of Science in Nursing (B.S.N.), Bachelor of Science in Engineering (B.S.E.), Bachelor of Fine Arts (B.F.A.) or Bachelor of Social Work (B.S.W.). Such specialized degrees will be treated as Bachelor of Science degrees.

Bachelor of Arts and Bachelor of Science for Same Discipline. Messiah College allows a department to apply to offer both a B.A. and a B.S. in the same discipline. When this occurs, appropriate distinctions must be made in the required curricula and the new program approved as a new major.

Major. A prescribed set of courses and other requirements recommended by the department and approved by the Community of Educators as a valid representation of the area of study. Generally these courses focus on a specific academic discipline; however, there are some interdisciplinary majors which include work from two or three disciplines. Satisfactory completion of this prescribed set of courses leads to a degree in that area of study.

Double Major. Students may complete more than one major within the normal timeline and requirements for each baccalaureate degree. A student pursuing a double major must determine which major is the primary major and which is secondary. The primary major determines whether a B.A. or a B.S. will be granted. Each major must have 24 unique credits. Unless additional requirements are met (see "Dual Degree"), a student completing a double major receives only one diploma and one degree representative of the primary major. The primary major is also the standard by which QuEST General Education, other requirements, and the degree are determined.

A *dual degree* is the concurrent awarding of two different majors each with a different baccalaureate degree type, e.g., a B.A. and a B.S. In order to graduate with dual degrees, the following conditions must be met: each major must have 24 unique credits; the student completes the general education requirements related to each major; and completes at least 30 additional credits beyond the larger baccalaureate degree program. Since Messiah's baccalaureate programs range from 123 to 133 credits, anyone completing two degrees must complete 153-163 credits. Students who complete these requirements will be issued two diplomas, one for each degree earned.

Subsequent Degree. See COE Handbook.

Minor. A prescribed set of courses which focuses on a particular academic discipline. The goal is to allow the student to develop some depth of understanding in that discipline. Minors require 18 course credits with a maximum of 28 allowed. More details below under the Policy section.

Concentration. A prescribed set of courses in a sub-discipline of a major or closely related discipline consisting of a minimum of 12 and a maximum of 36 credits. Students may complete the requirements for more than one concentration. The requirements for concentrations appear in the catalog. Concentrations will be included in official counts or lists of Messiah College majors and/or programs.

Emphasis. A prescribed set of courses in a subdiscipline of a major or closely related discipline consisting of a minimum of 12 credits of requirements. Emphases will not be noted in the student's record or transcript.

Academic Integrity Policy. Personal integrity is a behavioral expectation for all members of the Messiah community: administration, faculty, staff, and students. Violations of academic integrity are not consistent with the community standards of Messiah College. These violations include:

- Plagiarism: Submitting as one's own work part or all of any assignment (oral or written) which is copied, paraphrased, or purchased from another source, including online sources, without the proper acknowledgment of that source. Examples: failing to cite a reference, failing to use quotation marks where appropriate, misrepresenting another's work as your own, etc.
- Cheating: Attempting to use or using unauthorized material or study aids for personal assistance in examinations or other academic work. Examples: using a cheat sheet, altering a graded exam, looking at a peer's exam, having someone else take the exam for you, sharing information about exams, using any kind of electronic mobile or storage devices (such as cell phones, PDA's, Blackberry, iPods, iPhones, iPads, Flash drives, DVD's, CD's, photocopy pens) for unapproved purposes, communicating via email, IM, or text messaging during an exam, using the internet, sniffers, spyware or other software to retrieve information or other students' answers, etc.
- Fabrication: Submitting altered or contrived information in any academic exercise. Examples: falsifying sources and/or data, etc.
- Misrepresentation of Academic Records: Tampering with any portion of a student's record. Example: forging a signature on a registration form or change of grade form.
- Facilitating Academic Dishonesty: Helping another individual violate this policy. Examples: working together on an assignment where collaboration is not allowed, doing work for another student, allowing one's own work to be copied.
- Computer Offenses: Altering or damaging computer programs without permission. Examples: software piracy, constructing viruses, introducing viruses into a system, copying copyrighted programs, etc.
- Unfair Advantage: Attempting to gain advantage over fellow students in an academic exercise. Examples: lying about the need for an extension on a paper, destroying or removing library materials, etc.

The full policy is published in the Student Handbook and the College communicates the policy to students via the new student orientation program. However, primary responsibility for knowledge of and compliance with the policy rests with the student.

Classification of Students

Regular Students

Students who are pursuing a degree program are regular students. Regular students are classified according to the following guidelines:

- a. First-Year Student: Satisfaction of entrance requirements
- b. Sophomore: Twenty-four (24) earned credits
- c. Junior: Fifty-seven (57) earned credits
- d. Senior: Eighty-seven (87) earned credits

Unclassified Students

Students who are not pursuing a degree program but are taking courses for their own special needs, are

unclassified students.

Conditionally Admitted Students

Conditionally admitted students are those new students who have not met the regular entrance requirements but have been allowed to attend Messiah College. These students are required to register for a two-credit developmental Study Skills course and limited to 14 credits. Conditionally admitted students must meet the usual GPA levels for academic good standing, probation and suspension.

Visiting Students

Visiting students are technically students who are matriculated at another institution, who have received permission from that institution to attend Messiah College. Visiting students receive their financial aid from their home institution and intend to transfer their Messiah College credits back to their home institution.

Credit and Load

Definition of Credit Hour

A credit hour is a unit of academic work consisting of fifty (50) minutes of lecture, or two (2) or three (3) such periods of laboratory work per week, throughout the standard 15-week semester. In addition to the in-class work, the student is expected to spend two hours outside of class. For terms other than the standard 15-week semester, an equivalent amount of class time is required.

Enrolled

A student shall be consider to be enrolled at Messiah College if as of the first day of class of the term s/he is registered for any credit-bearing course offered by Messiah College or by an off-campus program affiliated with Messiah College. A student shall be considered to be continuously enrolled if s/he is enrolled for consecutive semesters.

Students admitted for limited or special programs designed to meet their particular needs but not leading to graduation are considered non-matriculated, unclassified, or visiting students, depending on the nature of their program.

Full-time Status

Degree-seeking students who carry an academic load of 12 or more credit hours are considered full-time students, charged at the full-time student rate, and eligible for financial aid as full-time students. Exceptions are made for students whose disabilities are confirmed by the Office of Disability Services as requiring consideration of this policy. ODS will recommend an adjusted standard of "full-time" for a particular student based on knowledge and documentation of the student's disability.

Note: Federal financial aid regulations require a college to define a full-time workload for a program in the same way for all students. Colleges can't accommodate a student with a learning disability or other handicap by allowing a full-time enrollment status lower than the minimum standard. As such, in order to maintain financial aid eligibility, all students must meet the standard of Satisfactory Academic Progress outlined elsewhere in this catalog and available in the Financial Aid Information Booklet at http://www.messiah.edu/offices/financial_aid/booklet/booklets.html. This standard applies to all forms of financial aid, including institutional forms of financial aid.

Part-time Status

Students who carry an academic load of less than 12 credit hours are considered part-time students, charged at the part-time student rate per credit hour, and eligible for any financial aid open to part-time students.

Overload

Policy:

Any student taking more than 18 credits per semester must first obtain the approval of the student's academic advisor and the Registrar. Moderate requests for overloads are generally granted if the student has a grade point average of 3.0 or better. Additional tuition will be charged by the credit hour at the overload rate for each credit above 18.

In the spring semester, any student taking more than 4 credits in the J-term or more than 15 credits in the Spring term must first obtain the approval of his/her advisor and the Registrar. Additional tuition will be charged by the credit hour at the overload rate for each credit above 18..

Rationale:

The overload registration procedure has been instituted to insure that an assessment of the student's ability to handle an abnormally heavy load is made prior to the student enrollment in the courses.

Advising

General Guidelines

- 1. Personal student-faculty association provides the small college with unique opportunities to influence students. The concept of faculty as role models takes an added meaning in this setting.
- 2. All students, new and returning, need to feel that they belong. Faculty advisors can do much to help students acquire and maintain this sense of belonging.
- 3. The success of an advising program is dependent on the participation of everyone. It is a team effort.
- 4. Every faculty member is in a position to help students. The potential for each faculty advisor to help students requires faculty accessibility and availability.
- 5. An advisor cannot make decisions for an advisee, but he/she can be sympathetic, an understanding listener, and can offer various suggestions and possible solutions to the student's questions or concerns.
- 6. An advisee who reports having a disability that may require a reduced course load should be given consideration. Verification can be requested from the Office of Disability Services if there is reasonable doubt regarding the student's request.

Intensive Terms

January Term An integral part of the second semester, J-term gives students an opportunity to concentrate on a single course for three weeks. Transcultural travel programs are among the innovative courses offered. Students may also enroll in an approved J-term at another institution. The academic load for the spring semester is the sum of courses taken during J-term and Spring term. Therefore, students normally earn three or four credits in January and 12 or 13 credits during the Spring term, for a total of 15 to 17 credits in the second semester.

While all students are expected to register for a course during J-term each year, first year students and sophomores are required to do so. Since J-term and Spring term together compose the second semester, all fees are applied accordingly. No discounts for tuition or room and board are given to students who do not enroll for a J-term course.

May Term May Term is a three-week term immediately following Spring term and is reserved exclusively for cross-cultural studies courses. Since May Term is considered a part of the Spring Semester, students are charged additional tuition at the overload rate only for each credit above the 18 credits allowed for the second semester. Students interested in courses other than cross-cultural studies should enroll in the Summer Session.

Summer Session Undergraduate online courses, taught by Messiah College faculty with special training in online instruction, cost less than courses taught during the traditional academic year. Course credit from summer online courses applies toward the Messiah College degree for current Messiah College students and may fulfill General Education or major requirements.

Students may also elect to take courses at other colleges over the summer and transfer the credits to their Messiah program. To assure transfer of credit, these students should check the online Course Equivalency Database or complete the "Approval for Transfer Credit" form available in the Registrar's Office. In addition, students should ensure that the transfer credit does not violate the residency rule in graduation requirements.

Since Summer School is not considered a part of the second semester, fees for Summer Session courses are charged independent of fees from the regular academic year.

Course Listing and Numbering

Course Numbering System

Courses are listed by department, the alpha prefix in the course number indicates in which department and discipline the course is offered. The course numbering is to be interpreted by the following principles:

- a. All courses are numbered at either a 100, 200, 300 or 400 level. These numbers represent a progression in academic rigor and expectation.
- b. Lower-level courses (numbered at 100 and 200) are introductory and foundational and designed for first-year and sophomore-level students.
- c. Upper-level courses (numbered at 300 and 400) are designed for junior- and senior-level students. Upper-level courses
 - (1) presuppose exposure to the content of a prior course(s) at the "lower-level" and
 - (2) possess an academic rigor and a level of expectation for student work and performance that is significantly greater than for lower-level courses (e.g., demonstrate an advanced level of independence, writing ability, and critical thinking skills in learning difficult content material within various academic disciplines).
- d. The first digit of the course number represents the generally accepted level of the course, i.e., 100-199 courses are first-year level courses.
- e. Students may generally take courses which are at their level or below. Upon advice of their advisor, students may take courses which are one level above their classification.
- f. Each of two numbers in a two semester course designates the work of one semester.
- g. The credit value of each course appears in parentheses following the course title.

Cross-Listing of Courses

Cross-listed courses have multiple department prefixes for the same course. Students register for the course under the prefix for which credit is to be given.

Majors

Selecting a Major

A student must select a major no later than the second semester of the sophomore year. This is necessary to allow adequate time for meeting graduation requirements in that major.

Pre-major status

There are certain programs for which program accreditation or certification of graduates is essential if graduates are to pursue careers in those fields (e.g., nursing, engineering, teacher education, athletic training). If a program is subject to such accrediting or certification requirements, then that program should apply to the Academic Council for internal admission requirements to the program. If additional internal admission requirements to a particular program are approved, then the following conditions apply:

- a. Students initially declaring an intent in the program will be designated by a "pre-major" status with their department.
- b. Internal admission requirements to the program must be clearly delineated and publicized (e.g., in the catalog description of the program).
- c. Internal admission requirements must be such that "first-time, first-year" students who enter Messiah College as "pre-majors" are evaluated before the end of their sophomore year for admission to the particular program. Transfer students (both internal—from another Messiah major—and external—from another institution) must be evaluated by the end of the first semester junior year.

Declaration or Change of Major

Policy: After having declared a major, students who wish to register for another course of study must obtain the signatures of their current advisor, of the department chair in the major field to which they wish acceptance, and their new advisor, who is assigned by the department chair. Changing a major must be done through the Office of the Registrar.

Procedure:

- (1) The student obtains the Change of Major Request from the Office of the Registrar, obtains the signatures of their current advisor, the department chair in which the new major is housed and their new advisor. The student then returns it to the Office of the Registrar.
- (2) The Office of the Registrar makes the change and asks the former advisor to send the student's advisor file to the new advisor.

Rationale: This policy has been instituted to ensure that students wishing to change majors receive adequate counseling, and to enhance campus communication by having all involved.

Individualized Major

Individualized majors are designed for students who have special interests that are not accommodated by any combination of existing majors or minors at the College. Students may develop a proposal for an individualized major that combines various academic resources available to all Messiah College students (including the Philadelphia campus and other external programs). Each proposal must stand on its own as a unique, individual initiative of the proposing student. Students completing an individualized major will graduate with a B.A. degree.

The following guidelines apply to all individualized majors.

- a. Parameters for the Individualized Major
 - a. The individualized major must be between 36 and 72 credit hours chosen from at least two different disciplines offered at Messiah.

- b. Two disciplines will be considered the primary disciplines and the major curriculum can have no fewer than 12 credit hours from each of these disciplines.
- c. At least 18 credit hours must be chosen from courses numbered 300 or higher.
- d. Each individualized major must include a senior-level (400) capstone course. This may be an existing course or an independent study course supervised by one of the faculty advisors.
- e. Each individualized major must include an existing writing intensive course from the primary disciplines from which the individualized major draws upon.
- f. No more than two courses can be taken as an independent or directed study
- g. The student must meet all the General Education requirements and all other requirements for graduation (e.g., residency requirements, total required credits, etc.). Any proposed overlaps with General Education must be approved by the Associate Dean of General Education and Common Learning and cannot exceed 12 credits.
- h. In order to propose an individualized major, the student must have a cumulative GPA of 3.0.
- i. The individualized major may be proposed after the student has completed 30 credit hours. No proposal will be accepted after the student has completed 72 credit hours.

b. Development of the Proposal.

The student will develop a proposal for the major in conjunction with two faculty advisors from the two primary disciplinary areas, with one of these two faculty advisors to serve as the student's primary faculty advisor. The proposal must include the following elements:

- a. A title for the major that does not duplicate the name of any existing majors or minors and clearly captures the nature of the proposed program of study.
- b. An explanation of how the major will enhance the student's personal learning goals and objectives including possible connection with vocational and/or graduate school interests.
- c. Curriculum sheets (similar to those found in the Advising Handbook for existing majors) describing which specific courses will meet the major requirement and which will meet the College's general education requirements.
- d. A semester by semester plan for completing the required courses. Note that any planned independent or directed study courses must be pre-approved.
- e. The proposed courses must fit together logically and demonstrate the coherence, breadth, and depth which is characteristic of a college major. Proposals that simply piece together existing majors and minors are not acceptable.
- f. A statement that clearly explains how each required course satisfies the College's learning objectives for all majors (i.e., CWEO #4) and contributes to achievement of the goals and learning objectives of the proposed major (as articulated in point b).
- c. Approval Process. The primary faculty advisor will convene and chair an ad hoc committee composed of the two faculty advisors, the Registrar, and the Associate Dean of General Education and Common Learning to review the proposal. If approved by this committee, the individualized major proposal will be forwarded to the Department Chairs of the two primary disciplines represented in the proposal for review and approval. Following the approval of the Chairs, the proposal will be reviewed by the Dean of the School of the primary advisor for final approval. If approved, it will be officially recorded as the student's declared major and a copy of the approved proposal will be sent, for information purposes, to the Dean of the School housing the other primary discipline. In order to assure prompt processing of a completed proposal, the approval process should take no longer than two months during the academic year from the time it

is submitted. In the event that a sponsoring faculty advisor's employment ends, the department chair of the respective department will either supervise the completion of the major or appoint another faculty member capable of supervising it to completion.

Minor

Definition: A minor is a prescribed set of courses which focuses on a particular academic discipline or area of study. The goal is to allow the student to develop some depth of understanding in that discipline or area of study.

- a. Students are not required to complete a minor.
- b. Minors require a minimum of 18 semester hours in a discipline other than that of the student's major.
- c. A student may complete more than one minor.
- d. To earn a minor a student must attain a minimum grade point average of 2.0 for the courses listed as meeting the requirements for the minor.
- e. At least 12 credits of the minor must be unique to the minor (not shared with the major, a second minor or the QuEST requirements).
- f. At least one-third of the total credits must be taken at Messiah.

Procedures for completing a Minor:

- a. Information about available minors and minor curricular requirements can be found in the college catalog, college website or obtained from the student's advisor or department chair.
- b. Students are encouraged to discuss their interests in a minor with their advisor during registration times. If the student has specific questions, they can contact the chair of the department (or the designee) in which the minor is housed.
- c. During their third semester or anytime thereafter, students may declare their intention to complete a minor by filling out the "Minor Request Form" available in the Registrar's Office.
- d. Once the completion of all minor requirements has been verified, the minor will be recorded on the student's final transcript. If, at the time of graduation, a student has not completed the requirements for a minor, the minor designation will be added to the student's transcript if he or she completes the requirements for the minor within one calendar year of the graduation ceremony at which his or her most recent Messiah degree has been awarded.

Registration

Fall Semester Registration

Policy: Students admitted to the College formally register for classes through the academic advising process. Prior to registration, students must ensure their accounts are up to date with the Business Office and their health records file is current with the Engle Health Center. Students with a Chapel Hold must receive clearance from the College Ministries Office. Any student not in compliance with these requirements will be blocked from registration.

Procedure:

- (1) Registration materials, including the Schedule of Classes are distributed to current students around March 30.
- (2) Students meet with their academic advisor to discuss course selections for the upcoming registration. Desired courses are listed on the "Registration Request" form. This form is signed by the student and his/her advisor. A copy remains with the advisor and the student retains a copy.

(3) At the conclusion of the advising meeting, the advisor releases an advising hold enabling the student to register at his or her appointed time.

Rationale: Uniformity of procedure is required to handle the large volume of students and ensure fairness to all students. Advisor's signature is required to ensure the student is taking courses appropriate to his or her major, interests and abilities. Proof of payment is required to ensure that students do not build up large balances which they are unable to pay. Clearance from the Engle Health Center is required to ensure that all health records are complete and accurate for each student in case of emergency. Obligations with the College Ministries Office are an essential component that requires the student's commitment.

Spring Semester Registration

Registration procedures for the spring semester are similar to the fall registration procedures. Students will register for both the January Term and the Spring Term (May term Cross-Cultural classes are optional). Registration materials are distributed to current students around October 30.

Drop/Add (Change in Registration)

a. After initial registration, changes of courses to the original schedule should be discussed with the advisor. After the first week of classes, changes in courses require the written approval of the instructor(s) and advisor on a "Drop/Add" form. The requests are submitted to the Registrar's Office in accordance with the published deadlines.

b. Procedure:

- (1) Students contact their advisor prior to changing courses on their schedule.
- (2) Subsequent to the contact with their advisor, students log on to the online registration system (through the end of the first week of classes) to make schedule adjustments.
- (3) Beginning with the second week of classes, all changes to the student's schedule will be processed through the Registrar's Office with the "drop/add" form. The signatures of the instructor(s) and advisor are required.
 - (a) During the first third of the semester/term, courses may be dropped with the required signatures.
 - (b) During the middle third of the semester, a grade of W is recorded and appears on the student's transcript. The withdrawal does not affect the student's GPA.
 - (c) During the final third of the semester, withdrawals are not permitted, except for medical or other emergencies. Unofficial withdrawals are recorded with a grade of F.
- (4) After the first week of the semester a fee of \$15.00 per processed Drop/Add Request is charged to the student's account.
- (5) All requests for dropping or adding courses after the published deadlines, due to neglect or failure to follow the procedures outlined above, will be reviewed by the Registrar. A late registration fee of \$40.00 (per course) will be charged if the change is approved.
- c. Courses may be dropped during the first third of the term and will not appear on the student's transcript. Students may withdraw from a course during the second third of the term. Courses from which a student has withdrawn will be indicated with a "W" on the student's transcript. Dropped or Withdrawn courses do not affect the student's grade point average. After the first five class days of a semester, a fee may be assessed for each course change requested. Specific deadline dates for course changes are posted each semester on the Registrar's homepage

Rationale: Drop/Add procedures emphasize the importance of student responsibility in the advisor/advisee relationship while providing flexibility and convenience to the process. Changes occurring later in the semester insure students have the opportunity for counseling.

Special Courses and Credit Programs

Independent Study Guidelines

Policy: Independent study is available to students who wish to explore a particular area of study outside a classroom setting. Projects must be carefully designed and directed toward a specific goal under the direction of a qualified faculty member who meets regularly with the student during the study. A faculty member may direct a total of two independent and directed studies during a given semester and three during a given summer.

Procedure:

- (1) The student obtains an "Application for Independent Study" for each project undertaken, writes a proposal according to the guidelines given on the application, then obtains the required approval signatures. (2) The student submits the signed application and a copy of the written proposal to the Registrar's Office.
- (3) The Registrar's office reviews the application and, if approved the student is registered for the course by the Registrar's Office. One copy of the application is sent to the faculty member supervising the experience and another is retained in the Registrar's Office. A third copy of the application is returned to the student confirming the registration.
- (4) Grades are submitted by the faculty member to the Registrar along with other grades at the end of the semester.

Directed Study Guidelines

Policy: Directed study is available to junior and senior students who need to complete a catalogued course at a time other than when it is offered. Each department has designated which courses may be offered by directed study. Each study must be done under the supervision of a qualified faculty member who will meet with the student from three to five hours per credit hour of the course. A faculty member may direct a total of two independent and directed studies during a given semester and three during a given summer.

Procedure:

- (1) The student obtains an "Application for Directed Study" for each course, obtains the required signatures, and returns the application to the Registrar's Office.
- (2) The Registrar's Office reviews the application. If approved, the student is registered for the course by the Registrar's Office. One copy of the application is sent to the faculty member supervising the experience and another is retained in the Registrar's Office. A third copy of the application is returned to the student confirming the registration.
- (3) Grades are submitted by the faculty member to the Registrar along with other grades at the end of the semester.

Rationale: To allow students to complete certain catalogued courses at times when they are not normally offered and to ensure that the proper amount of supervision is given to each student doing a directed study.

Co-curricular Activities Guidelines

a. Students participating in a full session of an intercollegiate sport may register, at most, twice for one credit per season of involvement. However, only one credit may be applied toward the General Education physical education activity requirement. Students participating in two intercollegiate sports may apply only one toward the General Education physical education activities requirement. A maximum of one credit may be counted as an elective. Credit may be granted only during the semester in which the completion of participation occurs and will not be

- awarded after the fact.
- b. Students participating in music ensembles register for 0-.5 credits during the semester of participation. If the registration is for credit, a pass/fail grade will be recorded.
- c. The editors of the College newspaper, The Swinging Bridge, and the College yearbook, The Clarion, may register for the course ENGL 392 Student Publications Practicum (1). Permission of the advisor is required before enrollment. The course may be repeated for a total of four (4) credits.

Credit Earned Through Examination Programs

Messiah College awards credits earned through the approved testing programs listed below. A maximum of 32 credits may be earned by all forms of testing. (Approved by action of the Dean's Council, 2/8/97.)

Advanced Placement (AP)

Students who have taken college level courses in high school may possibly receive college credit for them by taking the AP Examination of the College Entrance Examination Board, if their high school offers it. Granting such credit may reduce the number of semester hours students need for graduation. Official transcripts of AP test results should be sent to the Messiah College Registrar's Office for evaluation.

International Baccalaureate (IB)

IB is a curricular program with university entrance examinations which may be taken in any country and recognized in any country. Students who have taken IB courses in high school may possibly receive college credit for them by taking the IB examination. Granting such credit may reduce the number of semester hours students need for graduation. Official transcripts of IB test results should be sent to the Messiah College Registrar's Office for evaluation.

Credit by Examination

(1) Policy Messiah College offers a limited number of courses by which students may earn credit for the course by taking a "challenge" exam in lieu of the course. Each department designates which course(s) may be taken as credit by exam.

(2) Procedure

- (a) Prior to taking the exam, the student must obtain an application form from the Registrar's Office.
- (b) The student presents the form to the appropriate department chair who will make arrangements for the challenge exam or designate the examining professor.
- (c) When the exam has been taken, the department chair or examining professor will indicate the grade (Pass/Fail) on the application form.
- (d) The student pays the credit by examination fee at the Falcon Exchange, obtaining the approval signature showing that payment was made.
- (e) The form is returned to the Registrar's Office
- (f) The Registrar's Office records credit on the student's transcript if the examination is passed. If the student fails the exam, no record is made on that student's transcript, and the student will be required to take the courses or credits that were to have been waived by successful completion of the exam. Completion of the course is not required if it was intended to be elective credit.

College Level Examination Program (CLEP)

Students who wish to verify knowledge of college level work in a given discipline may take the CLEP test (Messiah is not an approved test site) and receive CLEP credit on the transcript. These credits are

evaluated by the Registrar's Office and may be applied to general education and major requirements. Any student considering CLEP opportunities should contact the Registrar's Office for further information.

Department Honors Courses

To encourage scholarly initiative and in-depth investigation within a limited area of study, Messiah College provides able students with an opportunity to pursue honors courses within their major. Students may qualify for an honors course by 1) earning a GPA of 3.50 for all courses and completed at the College to the middle of their junior year and 2) meeting all other requirements as prescribed by the department (e.g., GPA for major courses).

Each department offering an honors course prescribes the nature of the work, the point at which it shall begin, and whether the credit in whole or in part may be counted toward fulfillment of a student's major requirements. The Department must also approve a student's work for a given semester before permission can be given to proceed with the next semester's work.

Up to six semester hours of credit in honors courses may be earned at the rate of three hours per semester. Only the grades of A, A-, and B, B+ will carry credit. If the honors work is of such high quality as to merit the grade of A, the student will graduate with honors in the discipline, provided he/she has completed six semester hours.

Students participating in the College Honors Program may meet their senior honors project requirement through an approved Department Honors Course.

Graduation with honors in a discipline is recognized at Commencement and is noted on the student's diploma and academic transcript. Only senior students may participate in Department Honors courses.

Class Attendance

Class attendance is important to student learning and hence central to Messiah College's educational mission; therefore, regular class attendance is expected. However, the College recognizes that certain types of educational activities take place outside of the classroom and can lead to conflicts with class attendance. The purpose of this policy is to spell out guidelines for student attendance and absence, in general, and to clarify policy and protocol related to four out-of-class educational activities, in particular. These "College-endorsed" activities requiring College review and approval include:

- Intercollegiate athletic contests (this does not include regularly scheduled practices or club sports)
- Artistic performances (this does not include regularly scheduled rehearsals)
- Academic field trips
- Student presentations at professional conferences

Course attendance policies

- a. Individual course policies on class attendance are left to the discretion of the instructor (or academic department). Individual faculty members (or academic departments) are expected to design and implement attendance policies that are supportive of the College-endorsed educational programming outside of the classroom and, to the extent it is possible, provide ways a student can make up the portions of the courses missed due to student participation in College-endorsed educational activities without penalty.
- b. Attendance policies must be conveyed to students at the beginning of the semester and must be delineated in the syllabus. Attendance policies must address the following: (1) the extent to which attendance is required, (2) the role absences play in the attendance policy, (3) the policy for making up absences, and (4) the impact of attendance/absences on student evaluation.
- c. Faculty should be respectful of student schedules and the class time assigned to other courses. Faculty have been given an assigned time for their courses, and it is, in general, expected that instruction will take place within this designated time. Any exceptions must be stated in the syllabus.

d. If an out-of-class requirement in one course conflicts with the class time of another course, the faculty member making the out-of-class requirement must provide other ways for the student to fulfill the requirement of the required out-of-class requirement.

Procedures and protocol for absences related to College-endorsed activities

- a. Steps will be taken to minimize student absences related to College-endorsed activities. Toward this end.
 - (1) All athletic contest schedules will be reviewed and approved by the Athletic Director and the Faculty Athletic Representative prior to the beginning of the semester.
 - (2) All artistic performance programming will be reviewed and approved by the Dean of the School of the Arts prior to the beginning of the semester.
 - (3) All academic field trips by faculty or departments will be reviewed and approved by the appropriate School Dean or the Assistant Dean of General Education and Common Learning (for IDS courses) at least one month prior to the activity.
 - (4) All student absences due to student professional presentations will be reviewed and approved by the appropriate School Dean at least one month prior to the activity.
- b. All parties involved will be made aware of the scheduled absences well ahead of the date(s) of absence.
 - (1) To the extent it is possible, absences due to College-endorsed activities will be identified at the beginning of each semester or term.
 - (a) At the beginning of each semester the Faculty Athletic Representative will send all teaching faculty the approved dismissal times for all scheduled athletic contests.
 - (b) At the beginning of each semester the Dean of the School of the Arts will send all teaching faculty a schedule of approved performances, which may result in class conflicts.
 - (2) Upon receipt and approval by the appropriate supervisor, anyone sponsoring the College-endorsed educational activity must complete the "Instructor Notification System" that is available in Banner Self Service under the Faculty and Advisors menu two weeks prior to the activity. This form must be filled out in full, and upon completion will be sent to each faculty member that is impacted.
 - (3) Students participating in College-endorsed activities are still required to directly notify in advance the faculty member of any class they must miss. This must be done at least a week prior to the planned absence. Students are also responsible for meeting with the faculty member to work out the conditions for completing any work or assignments in accordance with the attendance policy of the course.
- c. No College-endorsed activities that result in student absences may be scheduled on the days before or after any College break or during finals week. Any exceptions must be approved by the Athletic Director, Vice Provost/Dean of Students, School Dean or Provost.
- d. It is understood that flexibility in these procedures will be granted in the case of conference and NCAA playoffs, or approved late-developing opportunities for student performance or presentation.

Absences due to student illness or critical illness/death in the immediate family

- a. For class absence due to personal illnesses, it is the student's responsibility to notify the instructor(s) prior to the class if possible. If prior notification is not feasible, the student should ensure that she/he notifies her/his instructors by the end of the day on which the class(es) meet.
- b. For deaths in the family and similar emergencies, students should notify Student Affairs through the Office of the Dean of Students. As the Dean's Office will notify the faculty of the student involved, it is important that the student notify the office as soon as possible.

If a student believes that the above policy has not been followed, he or she can appeal to the Provost.

Frequent Absences Due to Illness and Chronic Health Problems. Please see section Students with Disabilities.

Grading Policy

Grading System

The grading system presently in use can be roughly divided into three major categories: letter grades, pass/fail grades, and auxiliary symbols.

a. Letter Grades:

Letter grades carry a quality point value and are used in the computation of semester and cumulative grade point averages (GPA).

Quality/ Characteristic	A – Honor Outstanding	B – Excellent Above Average	C – Good Average	D – Poor Below Average	F – No credit Unsatisfactory
1. Interest and ability to communicate.	Almost always shows creativity, sound judgment, intellectual curiosity and communicates correctly and clearly	Frequently shows creativity, sound judgment, intellectual curiosity and communicates correctly and clearly	Shows sustained interest and is able to communicate well and understandably	Exhibits interest. Marginal performance in communicating	Shows subminimal interest. Does not communicate clearly enough to get ideas across.
2. Performance skills of discipline.	Almost always analyzes critically, synthesizes creatively, uses facts in original thinking, and generalizes logically	Frequently analyzes critically, synthesizes creatively, uses facts in original thinking, and generalizes logically	Usually produces viable generalizations and satisfactorily organizes data	Commits errors in fact and judgment when discussing material and has difficulty going beyond gathering and examining facts and data	Does not comprehend the concepts and ideas which are a part of the course. Does not gather and examine facts and data satisfactorily.
3. Techniques of scholarship.	Shows sound techniques in all projects and uses knowledge effectively	Shows sound techniques in most projects and uses knowledge effectively	Good under- standing of techniques in most projects.	Demonstrates minimal competence in the techniques of scholarship.	Does not use sound techniques of scholarship.
4. Meeting requirements of the course in preparation, outside reading and class participation, etc.	Meets or exceeds stated course requirements with distinction in all aspects.	Meets or exceeds stated course requirements with excellence in most aspects.	Meets stated course requirements with adequate performance in all aspects.	Meets stated course requirements with adequate performance in some aspects.	Does not meet the standards and requirements.

Performance Level of Different Letter Grades

Letter		
Grade	Meaning	Quality Point Value
Α	Honor-Outstanding	4.0
A-		3.7
B+		3.3
В	Excellent-Above Average	3.0
B-		2.7
C+		2.3
С	Good-Average	2.0
C-		1.7
D+		1.3
D	Poor-Below Average	1.0
F		0.0

b. Pass/Fail Grades

During a college career, students may take a maximum of four courses on a Pass/Fail (P/F) basis. Pass/Fail courses cannot be used to meet a major, minor, or QuEST requirement. It must be a free elective. Pass/Fail grades do not carry a quality point value and are not used in the computation of semester and cumulative grade point averages.

P = Pass. Used only for a passing grade in a Pass/Fail course or when a student selects to register for a course on a Pass/Fail basis. The cutoff for pass shall be "C—". Semester credits in which the student receives a P count toward the total required for graduation, but not toward the grade point average.

F = Failure. The grade of F is a failing grade and is included in the computation of both the semester and cumulative GPA. F applies under the following conditions:

- (1) The student has not done passing work for the term;
- (2) The student drops the course in the final third of the term;
- (3) The student does not do passing work (earning a D+ or less) in a course graded on a pass/fail basis;
- (4) The student fails to clear an Incomplete within the specified time frame;
- (5) The student unofficially withdraws from a course.

c. Auxiliary Symbols:

Auxiliary symbols do not carry a quality point value and are not used in the computation of semester and cumulative grade point averages (GPA)

W = Withdrawal. Given to a student who withdraws from a course(s), or from the College, or from specific courses in cases of emergency during the final third of the semester.

I = Incomplete. Used only when a student cannot, for emergency reasons, complete a course on schedule.

AU = Audit. Used only when a student wishes to regularly attend a course but not receive college credit or a grade for work in the course.

Grade Point Average (GPA):

a. Semester GPA: The GPA for each semester is calculated from the graded courses attempted during that semester. Credit hours in which the student receives a "P" count toward total credits earned but not toward the GPA. Credit hours in which the student receives an "F" are calculated in the GPA.

- b. Cumulative GPA: This is the grade point average for all courses taken at Messiah College.
- c. Factors Affected by GPA:
 - (1) Graduation: 2.0 cumulative GPA for all work; 2.0 cumulative GPA in major requirements.
 - (2) Acceptance into specific programs: Engineering, Nursing, and Teacher Education programs have cumulative and/or major GPA requirements as part of admission into the program. Consult the College catalog for specific GPA requirements for each program.
 - (3) Graduation Honors:
 - (a) Summa Cum Laude: Cumulative GPA of 3.90 or above
 - (b) Magna Cum Laude: 3.60 but less than 3.90 cumulative GPA
 - (c) Cum Laude: 3.30 but less than 3.60 cumulative GPA
 - (4) Department Honors Courses: 3.50 cumulative GPA
 - (5) Dean's List: 3.60 semester GPA or higher, based on twelve (12) or more graded hours.
 - (6) Academic Probation:
 - (a) First Year (0 23 credits): below 1.8 cumulative GPA.
 - (b) Sophomore (24 56 credits): below 1.9 cumulative GPA.
 - (c) Junior or Senior (57 credits or above): below 2.0 cumulative GPA.

Incomplete Grades

a. Policy: A grade of incomplete is recorded for a student only when, for emergency reasons, the course cannot be completed on schedule. To receive credit for the course, the unfinished work must be completed within four (4) weeks of the close of the term.

b. Procedure:

- (1) When the student presents a legitimate emergency request to his instructor and the instructor agrees to it, the instructor records a grade of I (incomplete) in online grading. He/ She will then be prompted by a dialogue box to submit the reason for the incomplete grade.
- (2) When a student completes the course work, the instructor submits the change of grade information online to the Registrar's Office indicating the student's correct final grade.
- (3) If a course is not completed within the extended timetable, the incomplete grade is converted to an "F". Any exceptions to the following timetable must be cleared in advance with the Registrar.
 - (a) Fall Semester: before the opening of Spring Term.
 - (b) All other terms: by the end of the fourth week following the close of the term.
- c. Rationale: This policy serves as a necessity of keeping grade records up-to-date, provides for student emergencies, and yet provides a reasonable deadline to help students avoid doing two (2) semesters' work at the same time. It also discourages procrastination.

Auditing

a. Policy - Students who wish to attend a course but not receive college credit or a grade for their work may audit the course. This option requires students to attend the class on a regular basis. Students are not

required to do any of the course work (though they may opt to do so) or take tests. A student must drop the course if he or she decides not to attend the course since it appears on the transcript as an audited course. The option of auditing courses is open to both full-time and part-time students. (Note: Students should be alerted to the fact that courses taken as audit cannot be included for Financial Aid purposes. Encourage those students to contact the Financial Aid Office.)

b. Procedure

- (1) Declaration of the audit is done at the time of registration through the Registrar's Office.
- (2) Students may change from credit to audit and vice versa when they register or within the first five class days at the beginning of the new term.
- (3) The Business Office bills audit credits at the published tuition rate for audits.
- (4) When the course is complete, the student's transcript indicates the symbol "AU" and the name of the course—no credit or letter grade is given.
- (5) If the student decides not to attend the course, he or she must drop the course within the drop/add deadline so it will not appear on the student's record.
- c. Rationale Accommodates degree program students who want to broaden their horizons into a field of interest or part-time students who wish to take a course purely for their own interest and do not need to work for college credit.

Change of Grade

- a. If after final grades have been assigned and submitted, and an error in a student's grade is discovered by the instructor, or brought to the attention of the instructor by the student, the instructor submits change of grade information online to the Registrar's Office. All changes of grades must be accompanied by a rationale and be approved by the Registrar's Office by the end of the following semester.
- b. A student's final grade may not be raised by doing additional assignments after the course has concluded or by revising previously submitted assignments.

Repeating Courses

A student may only repeat any course in which a grade of D+, D, or F was received. With repeated courses, the second grade and credits count in the calculation of the student's cumulative GPA, but the original grade and course will remain on the student's transcript. All repeat courses must be taken at Messiah College, including Temple courses taken through the Philadelphia Campus and any other approved off-campus program, subject to the assessment of course equivalency. (Revised by action of the Curriculum Committee 2/27/98)

- a. It is the responsibility of the student and advisor to monitor the registration for repeated courses.
- b. Both occurrences of repeated courses will be marked on the transcript.
- c. The credits earned for the first grade remain in the term and cumulative calculations until completion of the repeated course. At the end of the term in which the course is repeated, only the credits and grade earned for the second occurrence are used in the calculation of the student's cumulative GPA and total credits earned.
- d. Students need to be advised of possible financial aid or athletic eligibility consequences of repeating courses for which credits have been earned. Students should contact the Financial Aid Office for specific information.

Grade Appeal Procedures

If a student disagrees with a grade which has been given in a particular course, and it has been determined that the grade recorded was not in error, the student may initiate the grade appeal process.

a. Informal discussion between student and instructor.

If the discussion results in a grade change, a grade change request is submitted to the Registrar's Office by the instructor. If the matter is not resolved to the student's satisfaction, the student is referred to the department chair.

b. Informal discussion between student and department chair.

The student should informally discuss the matter with the department chair. The department chair should discuss the concern with the instructor. If the discussions result in a grade change, a grade change request is submitted by the instructor. If the matter is not resolved to the student's satisfaction, the student is informed that there is a formal appeal procedure. The first informal contact with the department chair must be before the end of the semester following the semester in which the grade was earned.

c. Formal discussion between student, instructor, and department chair.

The department chair should arrange a meeting to discuss the matter with the student and instructor together. If this discussion results in a grade change, a grade change form is submitted to the Registrar's Office by the instructor. The student should be informed in writing of this decision. If the matter is not resolved to the student's satisfaction, the student should be informed in writing of this decision, along with options available to the student.

d. Student appeal in writing to department chair.

This written appeal must be made within ten (10) working days of the written notification of the student by the department chair of the outcome of the formal discussions. Within ten (10) working days of the student's appeal, the department chair must inform the instructor of the appeal and provide a copy of the student's appeal. The instructor has ten (10) working days to provide a written explanation of the student's grade. The department chair has ten (10) working days to convene a departmental meeting (without the instructor or student present) to review the case

e. Student appeal in writing to the School Dean.

If the decision of the department is not to the student's satisfaction, the student may appeal the decision to the dean. This appeal must be made in writing, within ten (10) working days of the department chair's letter to the student. The dean shall investigate carefully and render a decision in writing within thirty (30) days, which shall be final.

f. Cases involving the department chair.

In any case where the instructor is the department chair, another member of the department will serve in the role of the chair in these proceedings.

Transcripts

The student's permanent record of courses taken and grades achieved comprise the academic transcript. Courses taken by Philadelphia students at Temple University are so indicated on the transcript, as are courses taken as visiting students at other institutions or other Approved Off-campus Study Programs. Credits taken at all other colleges and universities are entered as transfer credits and are not computed in the student's grade point average.

a. Request for Transcript

(1) Policy: Academic transcripts are issued by the Registrar's Office upon a student's written request and, depending upon expediency of service requested, must be accompanied by payment (see messiah.edu/registrar/transcript). The student's financial account with the College must be cleared before any transcripts are issued.

Academic Petitions

When a student finds it necessary to request an exception to an academic policy the following procedure shall be followed:

- a. Secure an "Academic Policies Petition" from the Office of the Registrar.
- b. Complete the form and obtain the signatures of the student's department chair and academic advisor and return the petition to the Office of the Registrar.
- c. The petition is then reviewed and acted upon by the Registrar's Office.
- d. The decision of the Registrar's Office will be indicated on the form and copies will be distributed to the student's academic file, the student, and the student's advisor.

General Education Policies Petitions

When a student desires to request an exception to a General Education requirement or a substitution for a General Education requirement the following procedures shall be followed:

- a. Secure a "General Education Policies Petition" from the Office of the Registrar.
- b. Complete the form and obtain the signatures of the student's department chair and academic advisor and return the petition to the Office of the Registrar.
- c. The petition is then reviewed by the Registrar's Office and/or the chair of the General Education Committee who may act on the petition based on approved guidelines for course substitutions and waivers or refer it to the General Education Committee for action.
- d. The decision of the Registrar's Office will be indicated on the form and copies will be distributed to the student's academic file, the student, and the student's advisor.

Alternate Course Request due to Disability

Qualifying students must be registered with the Office of Disability Services and be declared eligible for accommodations under the Americans with Disabilities Act. Eligibility is required before a petition for alternate courses will be considered. There must be a direct relationship between the student's documented disability and the reason for requesting course alternatives.

- a. Secure an "Alternate Course Petition" from the Office of Disability Services (available online).
- b. Complete the form and submit the petition to the Office of Disability Services.
- c. Students who have previously been approved for ADA accommodations will only need to submit the petition. Students not presently ADA-eligible will be required to verify eligibility before a petition will be considered.
- d. If approved, and following approved guidelines for course substitutions, the Director will specify course alternatives as approved by the respective departments and/or the General Education Committee and return the petition to the student.
- e. Obtain signatures of the student's department chair and academic advisor(s) and submit the completed petition to the Office of the Registrar.
- f. Copies will be distributed to the student, the student's academic file, the academic advisor, and the Office of Disability Services.

Co-Curricular Eligibility

Purpose of Academic Probation

The purpose of placing a student on academic probation is to help the student reorder his/her priorities and time commitments in the direction of greater emphasis on academic studies, in order to help that student attain the College's minimum standards for satisfactory academic progress as soon as possible. Any full-time student who fails to maintain satisfactory academic progress (defined as completion of 24 or more credits per academic year and maintaining a cumulative grade point average of 1.8 while earning the first 23 credits, 1.9 for 24–56 credits, and 2.0 for 57 credits or more) will be placed on academic probation.

The Registrar is responsible for notifying students of their being placed on academic probation immediately upon completion of the grading process for the period of study leading to such status. A student on academic probation will be advised to take a maximum of 14 credits per semester while on probation.

Co-curricular Eligibility during Academic Probation

A student who has been placed on academic probation shall be ineligible for participation in the following cocurricular activities:

- Intercollegiate athletics and club sports
- Theatre productions
- Music ensembles
- SGA officers
- Officers in any SGA-chartered organization, including team managers of Outreach Teams
- Music Ministry Teams
- Resident Life Staff
- Staff members of The Pulse Media Hub

Students placed on academic probation as a result of fall semester grades shall become ineligible for cocurricular participation on the first class day of J-term/Spring Semester. Students placed on academic probation as a result of spring semester or summer session grades shall become ineligible for participation on the first class day of the fall semester. The only exceptions will be those cases where such participation earns academic credit in a college course and that course meets a graduation requirement for the student's major.

Students who are removed from academic probation as a result of fall, spring semester, or summer grades shall become eligible for cocurricular participation as soon as grades are officially recorded for that period of study.

Exam Policies

Class Exams

The instructor shall decide whether students who miss a pre-announced class examination will be granted make-up privileges.

Final Exams (Approved by Community of Educators Senate, 10/15/02)

a. Policy: The final exam period is an important and integral part of the semester. Faculty members are required to conduct a significant evaluative experience/exam or some other educative experience during this time. Faculty should design their courses in a way that preserves the integrity of finals week. Minimally, this means that faculty should (1) be cautious about the amount of work they assign students in the week prior to finals week and (2) schedule final exams or other semester-ending experiences during

finals week.

Students are expected to attend their final exam period at the scheduled time. Any student having more than eight credit hours of final examinations in one day may request a change in his or her final schedule. All requests for change must be submitted to the Registrar's Office using the "Request for Final Examination Change" form. It should be noted that travel arrangements are not sufficient reason for exceptions to the exam schedule. All requests for rescheduling exams must be submitted to the Registrar at least one week prior to the first day of final examinations. Once the Registrar confirms the student is scheduled for more than 8 credit hours of final examinations in one day, the student and instructor need to coordinate to reschedule the exam for a time mutually acceptable to both.

Any student having an emergency or illness during final examinations should contact his or her instructor immediately. In these situations, make-up privileges and arrangements are at the discretion of the instructor. In no instances should any co-curricular or other College event be scheduled in a way that conflicts with the final exam schedule.

Notification of Rights under Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act of 1974 (FERPA) provides students who are or have been "in attendance" at Messiah University certain rights with respect to their "education records." A student is deemed to be in attendance at the University if he/she is enrolled and is either physically present for classes or receives instruction through distance learning. Education records may be paper or electronic and are defined generally as records, files, documents, and other materials maintained by the University which contain information directly related to the student and from which the student can be personally identified.

Rights granted to a student under FERPA include:

- 1. The right to inspect and review the student's education records;
- 2. The right to request the amendment of the student's education records that the student believes inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA; and
- 3. The right to provide written consent before the University discloses personally identifiable information from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

At Messiah University, education records include cumulative academic records, grades, course schedules, most student disciplinary records, and most student account and financial aid records. Education records do not include records that are created or received by the University after an individual is no longer a student in attendance and are not directly related to the individual's attendance, as well as grades on peer-graded papers before they are collected and recorded by an instructor.

Education records do not include records of administrative or instructional personnel which are kept in the sole possession of the maker, are used only as a personal memory aid, and are not accessible or revealed to any other person except a temporary substitute for the maker of the record; records which are made or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional acting in his/her professional capacity, made or maintained only in connection with treatment of the student, and disclosed only to individuals providing the treatment; financial records of parents; or records created and maintained by the Department of Safety for the purpose of law enforcement. These records, then, may not be inspected by students without the consent of the custodian of the records.

Students who wish to inspect their education records should indicate such to the University official responsible for maintaining the particular record. FERPA requires that an appointment be made for the student to inspect the record within 45 days of the date of the request. If, upon examination, the student believes the record to be inaccurate or misleading, the student may file a written request that the University official amend the record. If the official decides not to amend the record as requested by the student, the

student will be advised of his or her right to request a hearing. A hearing, to be conducted by a disinterested person appointed by the President, will be held within 30 days of receipt of a written request. The student will have a full and fair opportunity to present relevant evidence. A written decision will be rendered within two weeks of the date of the hearing.

Except to the extent that FERPA authorizes disclosure without consent, a student's education records will be released to his or her parents or designee only with the written consent of the student or upon receipt of certification that the individuals have claimed the student as a dependent on their most recent income tax return. Any student who does not want his or her education records released to parents/guardians must give written notification to the Registrar. This notification will remain in effect until revoked in writing by the student.

FERPA permits (but does not require) the University to release "directory information" without student consent to anyone requesting information unless a student instructs the University not to release such information. Directory information means information contained in the education record of a student that would not be considered harmful or an invasion of privacy if disclosed. Directory information at Messiah University includes a student's name, home address, campus address, all telephone numbers on record, high school attended, campus e-mail address, photograph (available on the University's internal, secure, online system), dates of attendance, degree for which a student is a candidate, academic major and minor, academic advisor, academic awards or honors, class year, full-time/part-time status, and weight and height for members of athletic teams. Directory information does not include a student's social security number or student identification number. Without student consent, a student's social security number or student identification number may not be used by itself to authenticate identity or to gain access to education records.

The University may provide lists of student names by religious preference (if known) once each year in response to inquiries by local churches. The University does not release directory information to outside organizations for commercial solicitation.

Any student who does not want directory information released must indicate as such on the Directory Profile, located on the Personal Information tab in Self Service Banner. You can complete this information anytime. This profile will be effective until rescinded by the student. The University will not disclose directory information of a former student if the student instructed the University not to release directory information while he/she was in attendance.

FERPA authorizes the University to disclose personally identifiable information from education records without a student's consent to appropriate parties, including parents/guardians of an eligible student (even if the student is not a dependent for income tax purposes), in connection with an emergency if knowledge of the information is necessary to protect the health or safety of the student or other individuals. In making this determination, the University may take into account the totality of the circumstances pertaining to a threat to the health or safety of a student or other individuals. If the University determines that there is an articulable and significant threat to the health or safety of a student or other individuals, it may disclose information from education records to any person whose knowledge of the information is necessary to protect the health or safety of the student or other individuals. The University must keep a record of the threat, the basis for its determination, and the names of the parties to whom the information was disclosed.

FERPA also authorizes the University to disclose personally identifiable information from education records without a student's consent in several other specific situations. Some of these are as follows: (1) to comply with a judicial order or a lawfully issued subpoena, including an ex parte court order under the USA Patriot Act; (2) to another institution that has requested the records and in which the student seeks or intends to enroll or is already enrolled so long as the disclosure is for purposes related to the student's enrollment or transfer; (3) to designated federal or state agencies; (4) in connection with financial aid for which the student has applied; (5) to alleged victims of any crime of violence or a non-forcible sex offense of the final results of a disciplinary proceeding conducted by the University against the alleged perpetrator of that crime or offense, regardless of whether the University concluded a violation was committed; (6) to anyone – not

just the victim – the final results of a disciplinary proceeding if it determines that the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has been found to have violated the University's rules or policies; (7) information concerning a student who is required to register as a sex offender provided under a state sex offender registration and campus community notification program; (8) to organizations conducting studies for or on behalf of the University for purposes of developing, validating, or administering predictive tests, administering student aid programs, or improving instruction; and (9) to school officials determined by the University to have a legitimate educational interest.

A "school official" is a person employed by the University in a faculty, administrative or staff position, or a contractor, consultant, volunteer, or other party to whom the University has outsourced institutional services or functions. The contractor, consultant, volunteer, or outside service provider may be considered a school official under this paragraph provided that the outside party (1) performs an institutional service or function for which the University would otherwise use employees; (2) is under the direct control of the University with respect to the use and maintenance of education records; and (3) is subject to FERPA requirements governing the use and re-disclosure of personally identifiable information from education records.

A "school official" may also be a member of the Board of Trustees; or a student serving on a University committee or assisting another school official in performing his or her tasks. A school official has a "legitimate educational interest" if the official needs to review an education record in order to fulfill his or her professional responsibility.

The University will use reasonable methods to identify and authenticate the identity of parents, students, school officials, and any other parties to whom it discloses education records. It will ensure that a school official obtains access to only those education records in which he/she has a legitimate educational interest.

Academic information will be released when a FERPA Release Form is completed and returned to the Registrar's Office, Messiah University Suite 3007, Mechanicsburg, PA 17055 and the student has set-up a privacy word in the Challenge Response System (http://www.messiah.edu/crs) and shared that word with the individual/s noted on the FERPA release.

FERPA provides a student the right to file a complaint concerning alleged failures by the University to comply with the requirements of FERPA with Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue SW, Washington, DC 20202-5901. This policy is maintained by the Messiah University Registrar and was last amended July 2017.

PARENTAL NOTIFICATION POLICY

Messiah University may elect to notify the parents/guardians of students in the event of serious health concerns such as illness, injury, or hospitalization. As noted above, the University may notify a student's parents or guardians in the event of an emergency when it is deemed to be necessary to protect the health or safety of the student or other persons even if the student is not a dependent for income tax purposes.

Messiah University may also notify parents/guardians of students under the age of 21 for disciplinary violations related to alcohol or controlled substances or when a student is suspended or expelled, even if the student is not a dependent for income tax purposes. In disciplinary matters, parents/guardians are notified only after students are determined to be responsible for a violation of University rules or standards. In all matters, the context of individual circumstances is considered when deciding whether to contact parents/guardians. When possible, students will be given the opportunity and encouraged to discuss the situation with their parents/guardians prior to the institution's notification.

VIII. HONORS PROGRAM

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Overview

The University Honors Program exemplifies Messiah College's commitment to academic excellence and fostering an intellectually rigorous Christian world view, with the goal of equipping young men and women for lives of leadership and service.

The Honors Program is designed for students who demonstrate high scholarly ability early in their academic career. The program curriculum is comprised of general education honors courses and a Senior Honors Experiennce. In addition to the credit bearing curriculum, students meet each semester outside of the classroom in the Honors Congress to discuss timely issues and interact with special campus guests. Throughout the academic year students also have opportunities to participate in on- and off-campus academic and cultural activities. Upon graduation students receive special recognition at commencement, and on their college transcript and diploma.

Students from all of the college's applied and liberal arts majors are eligible to participate. Moreover, in keeping with the college's commitment to educating the whole person, students in the Honors Program are encouraged to participate in the college's many co-curricular opportunities.

Application Process

The University Honors Program is open to first-year students. The minimum qualifications include a 1360 SAT score or 29 ACT score or 91 CLT score, and a high school GPA of 3.9 or above. No special application is required. As part of the regular admission process, students who meet the minimum eligibility requirements are evaluated for the program. From the eligible pool of candidates, students are selected for on-campus interviews. After the on-campus interview and evaluation of all other application materials, approximately 100 students are selected to enter the program in the fall. Students selected for the Honors Program receive either full or partial tuition scholarships.

On Campus

During Welcome Week first-year students in the Honors Program participate in a Director's Reception where, among other things, they meet the other new students in the program. Throughout their time at Messiah University, academic advising is provided by faculty in the department of their chosen major. The Director of the University Honors Program provides additional academic advising and information regarding requirements and activities associated with the Honors Program.

Curricular Requirements

1. FRESHMAN YEAR:

Fall Semester: First Year Seminar (IDFY 102 – HONORS section); and **Spring Semester:** Created and Called for Community (IDCR 151 – HONORS section).

2. SOPHOMORE or JUNIOR YEAR:

One honors interdisciplinary QuEST course meeting either Ethics, Pluralism, World Views, Non-Western or Science, Technology, and the World (sophomore or junior year)

A second interdisciplinary Quest course from a different category, does not need to be an honors section. Depending on the major, this second requirement may be waived. When waivers exist, if the major has one or two waivers for ID courses, the student must take their honors section from the non-waived category. If three ID waivers exist, the student has their choice of which area to take their honors section. Honors ID course credit requirements can only be met at the Mechanicsburg campus or through a Messiah HONORS J-term/May-term study abroad course.

- 3. **JUNIOR or SENIOR YEAR:** Senior Honors Experience. This requirement can be met by one of two ways:
 - a. Senior Honors Project, which can be taken either within the student's department or

- within the CHP (HONR 498/499) for 4-6 credit hours. A two-semester project that can take a variety of forms, including an interdisciplinary thesis, creative arts project, or service learning project. All projects must fulfill the parameters for the Senior Honors Project.
- b. Senior Honors Seminar (HONR 497) for 3 credit hours. An interdisciplinary capstone seminar for students in the Honors Program. The thematic focus of each seminar will be defined by the professor and will include intensive reading, discussion, and a written research paper.

Parameters for Senior Honors Projects (option a above):

- Projects must be of graduate level quality;
- Projects must reflect the methodological, theoretical, and substantive expectations for scholarship in the project area;
- Projects must be two semesters and total 4 to 6 credit hours;
- Projects may begin during junior or senior year;
- Projects must be approved by the Honors Director and faculty supervisor during the semester preceding the start of the project;
- Projects must culminate with some type of public dissemination, such as a thesis defense, presentation, demonstration, or performance.

Note: Participants planning to graduate early may not begin their Senior Honors Project until they have completed two years in the Program.

Non-Credit Bearing Requirement: Honors Congress

Offered each semester, the Honors Congress events will address selected topics and issues. The Congress will revolve around readings, discussion and presentations by college faculty and off-campus guests, as well as cultural events and field trips. CHP students must attend at least three Honors Congress activities in three different semesters. CHP students must complete the Honors Congress requirement in the fall of their first year.

Eligibility Requirements for the University Honors Program

Participation in the Honors Program requires that all participants meet the grade point average requirement for either the Trustees', President's or Faculty Scholarship. For President's and Faculty Scholarship recipients, renewal of these scholarships is contingent on maintaining a 3.2 GPA as a first year student and a 3.4 GPA each subsequent year. For Trustees' Scholarship recipients, renewal is contingent on maintaining a 3.3 GPA as a first year student and a 3.6 GPA each subsequent year. Participation in the Honors Program is also required for scholarship renewal. If a student is removed from the Honors Program he or she cannot be readmitted. All Honors Program participants must meet the preceding GPA requirements upon completion of all course work in order to be certified, at the time of graduation, as a Honors Program graduate.

X. STUDENTS WITH DISABILITIES - Faculty

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Disability Laws in Post-Secondary Education

The Rehabilitation Act

Title V of The Rehabilitation Act of 1973 is generally regarded as the first civil rights legislation on the national level for people with disabilities. Section 504 of The Rehabilitation Act is a program access statute. It prohibits discrimination on the basis of disability in any program or activity offered by an entity or institution receiving federal funds. Specifically, it states:

No otherwise qualified person with a disability in the United States... shall, solely on the basis of disability, be denied access to, or the benefits of, or be subjected to discrimination under any program or activity provided by any institution receiving federal financial assistance.

Under Section 504, institutions are required to appoint and maintain at least one person to coordinate its efforts to comply with the requirements of Section 504 (Section 504 Coordinator). This individual or office has the ongoing responsibility of assuring that the institution does not discriminate against individuals with disabilities. At Messiah University, the established officer for student issues is the Director of Academic Accessibility (OAA). For employees, the Director of Human Resources serves as the Section 504 Coordinator.

The Americans with Disability Amendments Act (ADAA)

The ADA is a federal civil rights statute that prohibits discrimination against people with disabilities. There are four sections of the law: employment, government, public accommodations, and telecommunications. The ADAA provides additional protection for persons with disabilities in conjunction with the Rehabilitation Act of 1973. The ADAA is designed to remove barriers which prevent qualified individuals with disabilities from enjoying the same opportunities that are available to persons without disabilities. Congress strengthened the ADA to ensure that individuals with disabilities are not inadvertently excluded from coverage under a variety of conditions.

Postsecondary institutions are covered in many ways under the ADA. Employment is addressed by Title I, accessibility in relation to public spaces is addressed in Title II. Title III addresses private entities (including Messiah University), and miscellaneous items are addressed under Title V and Title IV.

The ADA in Relation to Section 504 of the Rehabilitation Act

Institutions that receive federal funds (including Messiah University) are covered under Section 504. The ADAA does not supplant Section 504, but in those situations where the ADAA provides greater protection, the ADAA standards apply. Therefore, postsecondary institutions must adhere to both the Rehabilitation Act and The Americans with Disability Amendments Act.

What Advisors Need to Know

It is unlawful to discriminate against an individual with a disability. Regardless of your beliefs concerning a student's ability to perform within a given major or course of study, no student is to be excluded from registering for courses for which they are otherwise qualified to participate. With *reasonable* accommodations, support services from appropriate campus resources, and needed assistive technology, many students are able to perform successfully in their studies. The disability community often states that the biggest barrier they face is negative attitudes. Keep an open mind, offer advice and counsel, but do not assume inability or exclude from opportunity.

If a student is having difficulty and raises the question of having a learning problem of some type, it is always appropriate to ask if the student would like to discuss the possibility of accommodation with someone in the Office of Academic Accessibility (OAA). While most students come to college with a previous diagnosis, a surprising number of students have learned compensatory strategies that allowed them to be successful in high school but that will not be adequate for favorable outcomes in college. If

you believe the student is struggling, please do not hesitate to explore their strengths and weaknesses with them. If you feel you do not have the ability to help them, please refer them to the Engle Center, the Office of Academic Accessibility, or the Director of Student Success to get them the help they need as soon as possible. Students who self-disclose a disability and exhibit need for accommodation(s), but who are not registered with OAA, should be encouraged to call or email the Office of Academic Accessibility for an appointment to discuss eligibility. While instructors are required to implement approved accommodations based on a student's supported claim of disability, they are not obligated nor encouraged to provide accommodations which have not been formally approved by OAA. Instructors who accommodate without required evidence of a need (a formal accommodation letter from OAA) lead the student to falsely believe that others may do the same. Ultimately, students who are accommodated without going through proper channels run into conflict with other instructors who hold them to the standard procedures. These conflicts should be avoided. Accordingly, please follow policy and be certain the student has the required accommodation letter before allowing an accommodation, and then make sure you are only granting the accommodation provided for in the accommodation letter.

As an advisor, you may find that a student complains about an instructor's refusal to accommodate. Always inquire about the manner in which the student made the request for accommodation and whether they have registered with OAA. If something seems to be amiss, you are encouraged to contact OAA immediately so the claim can be properly investigated.

Advising for Accommodations

Alternate Courses

The Office of Academic Accessibility has been authorized by the administration to make decisions about a student's eligibility for alternate courses to meet general education requirements. A recurrent request is for courses to replace the 9-credit language/cultures requirement. Because the most common disabilities are learning disabilities, and they often include reading and other language-related limitations, students may indeed be found eligible to complete alternate coursework to meet the 9-credit language/cultures requirement.

Students will always have to complete the general education requirement for a Non-Western Cultures course in addition to any coursework stipulated in this policy. Students may be authorized by The Office of Academic Accessibility to complete a course on cultural anthropology in addition to either one other Non-Western Cultures course followed by a Cross-Cultural course or two other Non-Western Cultures courses.

In some cases, students are given transfer credits for completing college-level courses in American Sign Language. At this time, those courses must always be transferred into Messiah. Please make sure those courses are approved to be transferred prior to embracing the student's desire to attend specific classes.

Health and physical education requirements may affect some students with chronic health or orthopedic impairments. In those cases, OAA will work with Melinda Smith to develop a series of appropriate courses and activities. Students will need to work with the Office of Academic Accessibility to ensure registration can occur in the appropriate course/s.

Few other types of alternate courses have been requested. For program-specific courses, any modifications must be made by the departments, usually in conjunction with the Office of Academic Accessibility. In no case are departments expected to fundamentally change the nature of a given course or to lower performance standards.

Class Load

Some students have disabilities that significantly impede the learning process, making it important to

reduce their work load to a manageable level. Students may be encouraged to begin their college career with just 12 credits. They can then either add more credits their second semester if they have been successful, or they can reduce credits in order to be successful.

It is appropriate to question students about their credit loads and to let them know a smaller credit load may mean more time at the institution which can equate to bigger debt. Being realistic is appreciated and advised. However, advisors should not apply pressure on a student to add more courses if the student has been approved for a reduced course load because of his/her disability. After having an open and honest discussion with the student about their course load and to ensure their advice is fully understood, advisors should send follow up emails to their advisee noting their recommendations, the advisee's response, and the final decision regarding total credits for the semester.

Financial aid may be impacted by a student's decision to enroll in fewer courses, especially when the annual earned-credit total falls below 24 semester credits. While this is the bar for federal funding, state and local support is not eliminated by carrying a lighter load, though it may be adjusted to a per credit basis. Please strongly encourage the student to talk with Financial Aid about any implications a reduced course load could have on their financial aid package.

Students carrying fewer than 12 credits per semester are generally considered to be part-time students. In the case of a student whose disability requires a lighter load, the University can legally declare a lesser level as full-time for that student. The Office of Academic Accessibility will notify the Registrar and Financial Aid of this decision and confirm with an advisor when requested by the student. This arrangement allows the student to remain fully eligible for on-campus housing, meal plans, health and counseling services, and all other benefits afforded to full-time students.

Frequent Absences Due to Illness and Chronic Health Problems

The number of students with chronic health or psychological conditions who are enrolling in college is increasing. Often, the nature of chronic conditions is that they are cyclical, recurring after periods of relative stability. During those recurrences, the student's health or mental state may prevent them from attending class on a daily basis. In those cases, an accommodation granting flexibility in attendance may be authorized. This accommodation, however, will only be granted if it does not fundamentally alter the nature of the course.

It is wise to know which programs/classes are tolerant of absences and those which are not. For example, missing lecture where students can obtain notes from a classmate may be less significant to course success than missing a class in a high-participation, performance-based course. Please encourage students to talk to professors prior to course enrollment to ensure that this accommodation can be granted in a particular class and to allow the student and faculty member ample time to develop strategies for making up missed class time (i.e. writing a reflection paper after listening to the audio of the class). When the accommodation can be implemented, OAA will work with the student and faculty member to make arrangements for class recordings.

Further, students with chronic illness may experience periods of deep pain or fatigue. These students typically have periods during the day where they are better able to maintain focus and attention. Please be aware of fatigue issues (it's okay to ask!) and take that into consideration when planning course schedules. It will be important to work with students to determine any patterns to avoid, such as scheduling back-to-back classes, scheduling evening classes versus day classes, or requiring too many credits based on the perceived need to make good progress through a program.

Length of Class Sessions

Some students have great difficulty with longer class sessions. If a student has trouble remaining focused for over an hour, it is best to avoid night classes and those that meet just once per week for several hours. Try to be aware of student-expressed concerns and to work with them to avoid problems.

Priority Registration

Some students are authorized to register for classes earlier than their peers. This accommodation is used judiciously and is based on a student's need to accommodate a variety of scheduling issues, such as the need to rest between classes, slow ambulation requiring more time for campus travel, and certain start or end times for classes due to health conditions. There is potential for abuse of this privilege, but OAA attempts to verify the essential nature of the request before it is authorized.

When approved, OAA notifies the Registrar early each semester and provides a list of eligible students for advance notification purposes. The Registrar informs the advisor and student of the modified schedule and directs them to schedule an advising session early enough to work out a reasonable schedule based on program and personal needs, as appropriate.

If a student is authorized for early registration but does not complete the process prior to open enrollment, the student should generally complete registration on the standard schedule that semester. Having missed an opportunity, the student does not automatically lose that privilege for subsequent semesters.

Additional Recommendations

Career Planning Issues and Internships

Perhaps no other topic is more likely to raise conflict than that of questioning a student's choice of major. Some intensive encouragement may be appropriate as long as advisors understand that this is advising. Ultimately, the student has the right to choose courses, contingent upon having completed prerequisites and any other admission requirements. When the student's disability will clearly conflict with what you know to be the essential functions of their desired profession, it is wise to help the student move toward a personal assessment, available at the Career Center. Internships also offer students a practical look at what their intended profession might entail. However, finding suitable internship settings can, at times, be difficult. Be careful to strike a balance between advising toward a suitable career and discouraging a student from moving ahead with their personal interests. When working with certain students, such as those with a diagnosis on the autism spectrum, you may want to consult with OAA for assistance, in addition to speaking with someone in the Career Center.

Record Keeping and Written Communication

In order to avoid any confusion on advice given, it is important to follow up with the advisee about the details of your advising sessions. All too often, students misunderstand the contents of an advising meeting. Reasons for misunderstandings range from auditory processing deficits, to anxiety disorders or poor short term memory. To ensure the student fully understands and properly remembers information covered during the advising session, please send them (not the parent) a written communication detailing the advice given, the measures proposed, and the action plan to be followed. This practice gives the student a chance to receive the information in both verbal and written form, while at the same time offering protection to you by demonstrating appropriately relayed guidance.

Sharing Disability Information

Information about a student's disability is confidential. Only those individuals who need to know the information are informed, unless the student chooses to share otherwise. Advisors/instructors must never reveal information about a student's disability, either directly or by thinly-veiled comments, in ways that allow other students to identify the student as disabled. Disability information is considered an educational record, and thus, information can only be released if it is to further an educational purpose.

Students are encouraged to provide a copy of their accommodation letter to their advisor as early as possible in their collegiate career to facilitate accurate and appropriate advising. However, the student is

under no obligation to provide this letter. At no time, however, will accommodations be applied in a retroactive manner.

Final Thoughts

Remember that your advising is an essential part of the preparation process for students. Informed advice can be essential to helping young people find a match between their strengths and the career to which God may be calling them. In spite of your broader knowledge in the field of study and your greater range of experience, remember that students often surpass their own perceived abilities. Also, as new and improved technological aids are developed and become available, there may be assistive technologies that allow students to function in ways that others could not just a few years before. Your wise and caring advice can encourage your student to strive for challenging, yet reasonable, goals while making the most of their time on campus. Your objective should be to advise them on their path without impeding their growth.

XI. INTERNSHIP INFORMATION

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Introduction: What is an Internship?

"An internship is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Internships give students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent."

-The National Assoc. of Colleges & Employers (NACE)

An internship is a supervised work experience related to a student's major or career goal for which he/she can earn academic credit. Important elements structured into the experience, which distinguish it from a short-term job or volunteer work, are an intentional self-directed learning strategy, reflection - both verbal and written, , and an emphasis on professional development.

Internships should:

Personally: Boost a student's maturity and self-confidence; improve human relations skills; prepare for life after graduation; integrate faith and values with work; and promote a greater clarity about career decisions.

Academically: Integrate classroom theory with real-life experiences; understand the relevance of course work; increase motivation to learn;.

Professionally: Explore a potential career field; develop career-related skills and abilities,; gain professional experience; observe professional people and behavior; build a network of professional contacts, potentially developing mentoring relationships; gain a competitive edge for employment or graduate school admission.

Why Experience An Internship For Academic Credit?

- Fulfillment of ELI requirement
- Academic accountability many sites only host students who are receiving academic credit for their experience
- Corresponding coursework helps promotes reflection on and development of personal and professional skills
- Notation on transcript
- Legal protection under Messiah University liability policy
- Support, advocacy and guidance from Internship Faculty Advisor

What's the Difference Between a Practicum and an Internship?

- Practica are conducted through academic departments and are supervised by faculty. Practica do
 not automatically meet a student's ELI requirement. This should be verified with the sponsoring
 department.
- Internships for credit are conducted through the Career and Professional Development Center (CPDC) and are supervised by CPDC staff.

When Can a Student do an Internship?

• Fall, Spring, J-Term, and Summer

What is the Credit/Hour Structure for Internships?

1 Credit Hour = 40 hours of work over the semester

2 options: INTE 391 and INTE 394

- INTE 391 = 1-3 credit hours
- INTE 394 = 4-12 credit hours

Notes:

- 1) Internships are normally letter-graded (A-F). INTE 391 (1-3 credits) internships can be done Pass/Fail if the internship is not required by the student's major
- 2) No academic credit can be approved retroactively for any experience.

Who is Eligible?

Students who meet the following criteria are eligible:

- 1) Maintain a cumulative GPA of 2.5 or above. Students with a GPA lower than 2.5 may submit a petition form through the CPDC to be considered for participation in the program.
- 2) Completed at least a minimum of 24 credits

What is involved in the Internship Class?

The internship class is primarily online and is meant to ensure that students reflect purposefully on their experiential learning. An internship faculty advisor from the CPDC facilitates the course over the semester. It involves:

- Learning objectives and outcomes for the experience
- Assignments involving work reflection logs, resume writing, building a LinkedIn profile, an executive summary of the experience
- Evaluations by on-site internship supervisor

Does the Course Look Different if a Second Internship for Credit is done?

Yes, the course has some of the same components but no redundant assignments. Also, data shows increased personal and professional benefits to students who have more than one experience.

Why Would a Student Pay for Credits to do a Summer Internship?

- The course component of the internship experience is delivered in the same way as other summer courses, with an instructor providing grading and feedback
- Students receive the benefit of the educational course content rooted in meaningful reflection as well as support and advocacy through the institution
- Credit price for summer course is reduced
- For an internship to fulfill a student's ELI requirement, it must be credit-bearing
- There are more geographic possibilities because the student doesn't have to be on campus

What are the Parameters that Comprise a Quality Internship?

• The experience must be an extension of the classroom: a learning experience that provides for applying the knowledge gained in the classroom. It must not be simply to advance the operations of the employer or be the work that a regular employee would routinely perform.

- The skills or knowledge learned must be transferable to other employment settings.
- The experience has a defined beginning and end, and a professional-level job description with desired qualifications.
- There are clearly defined learning objectives/goals related to the professional goals of the student's academic coursework.
- There is supervision by a professional with expertise and educational and/or professional background in the field of the experience.
- There is routine feedback by the experienced supervisor.
- There are resources, equipment, and facilities provided by the host employer that support learning objectives/goals.
- *Parameters defined by the National Association of Colleges & Employers (NACE).

What is an Advisor's Responsibility in Assisting the Student?

- Assist student in identifying the type of internship for which they would be academically prepared
- Check Degree Audit to review if ELI requirement met, internship/practicum credit met, or if an internship can be done for elective credit
- Encourage a student to plan early for an internship (3-6 months, minimally), depending on their commitments and scheduling challenges (i.e. athletes, musicians...)
- Discuss layering of experiences and benefits of using internships to explore a variety of career options
- Ensure student's understanding about internship/practicum coursework
- Confirm minimum GPA of 2.5 otherwise department must be prepared to provide an alternative if a student's petition is denied by the CPDC
- Collaborate with CPDC on identifying quality sites

What are Legal/Ethical issues Pertinent to Internships?

Federal law says that if an employment relationship is deemed to be present, the intern must be paid at least the minimum wage and appropriate overtime compensation. However, new court rulings have also expanded protections for unpaid internships. But they still require unpaid internships to (1) be designed primarily for educational purposes and (2) benefit the intern first and foremost.

Students with Disabilities

Messiah University is committed to making reasonable accommodations for qualified students with disabilities. For students planning an off-campus experience, such as a practicum or internship, the University does not have authority over cooperating agencies and cannot therefore guarantee that a student's unique needs can be accommodated. The University will make every reasonable effort to locate a suitable site that does offer the needed accommodations. Students for whom internships are being requested must demonstrate an ability to meet the essential skills of a specific assignment, with or without assistive technology.

How do Students Locate an Internship, and what Assistance is offered?

- Personal network: faculty, friends and family, Messiah University alumni
- Employer connections through CPDC events: Career Expo, Pizza with Professionals series, Into the City, Mocktail Networking Night, etc.
- Personal assistance through career coaching appointments in the CPDC

- Employer directory and internship postings on Handshake, the CPDC's job/internship portal
- Online Job Search Sites see the CPDC website for internship/job search resources

How Does a Student Register for Credit?

Students need to start the registration process through the Career & Professional Development Center. The internship registration link is on the homepage of the CPDC https://www.messiah.edu/career Once the site and student have been approved, the CPDC will submit and override in McSquare to allow a student to register for INTE 391 or INTE 394. After a student is registered, the course will open in CANVAS. The registration deadlines can be found at

https://www.messiah.edu/info/23064/internship_program /:

International Internships?

Students are able to do an internship internationally. The approval process takes longer as there is more involved in approving a site. A student should ideally start the registration three months before the international internship.

International students may do an internship for credit during the summer semester in their home country

Can International Students do Internships for Credit While in School Here?

An international student can participate in Curricular Practical Training: Curricular Practical Training (CPT) is a type of employment authorization for students in undergraduate F-1 status who wish or need to engage in off-campus employment in their field of study when it is an integral component of their curriculum. It is important for students to remember that CPT is a benefit of the F-1 visa status, not a right. Permission for international students has several more steps that are required and process is started with the Intercultural Office:

https://www.messiah.edu/info/20703/immigration/2885/curricular practical training cpt

An Employer has contacted me directly about an Internship Opportunity – What Should I do?

- Referral to CPDC staff for assistance
- Consider sharing from the CPDC website: "Starting and Maintaining a Quality Internship Program" guide

How can Faculty Access the Opportunities on Handshake - College's Job & Internship Database?

• Carol Hall, Administrative Assistant in the CPDC: CHall@messiah.edu for directions and access

For More Information:

Contact the Career and Professional Development Center <u>career@messiah.edu</u>; 717-691-6016 Joy Fea, Assistant Director for Internships & Faculty Partnerships, CPDC, <u>fea@messiah.edu</u>

XII. PRE-HEALTH PROFESSIONS ADVISING

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Pre-Health Professions Overview

The Pre-Health advising is best thought of as an overlay of courses that can be scheduled as part of most majors, with the exception of engineering, education, and nursing.

Pre-health professions advising at Messiah College is just that: specialized advising to help you overlay courses that can be part of virtually any major on campus, with the exception of engineering and nursing. Because medical programs of all types – medicine, dentistry, veterinary, PA, podiatry, chiropractic, and the list goes on – are looking for broadly educated applicants, at Messiah the choice of major is up to the student as long as the one that is chosen is recognized as being academically rigorous. That said, the majority of pre-med students choose a science–related major, but that is not a requirement. A list of the pre-health professions advising choices follow.

Pre-Health Professions at Messiah (4 years at Messiah)

- Allopathic Medicine
- Chiropractic Medicine
- Dentistry
- Forensic Science
- Occupational Therapy
- Optometry
- Osteopathic Medicine
- Pharmacy
- Physician's Assistant
- Podiatric Medicine
- Public Health
- Veterinary Medicine

3+ Pre-Health Professions Programs at Messiah (3 years at Messiah with an articulated curriculum at a partner institution)

- Biochemistry (B.A.) / Doctor of Pharmacy (Pharm.D.) University of the Sciences in Philadelphia
- Biopsychology (B.S.) / MSOT in Occupational Therapy Thomas Jefferson University
- Applied Health Science (B.S.) / MSOT in Occupational Therapy Thomas Jefferson University

Planning the Academic Program Choosing a Major

There is no single, best "pre-health" major. Medical schools are looking for students who have completed specific course work and have performed at a high academic level. We recommend that a student's interest dictate his/her choice of major as long as the prerequisites for medical school admission are met. Because of their natural interest in the sciences, many Messiah applicants to medical school complete a degree in Biology, Molecular Biology, Chemistry, Biochemistry (B.A. or B.S.) or Biopsychology.

Some students, however, pursue majors outside of the sciences (including majoring in music or the social sciences, for example). In these cases, students are encouraged to take the "strongly recommended" courses described in the next section. Indeed, *medical school admissions personnel unequivocally state that the specific undergraduate major is not a consideration in the admissions process*. They are interested in the rigor of the courses the applicants have completed and the grades they have earned.

Advising Services

Messiah students who plan to pursue a career in the healthcare professions are assigned **two** advisors: one in their academic major, and our Pre-Health Professions Advisor, Martha Smith. It is vital that the student contact Martha Smith as soon as possible after meeting with you, the academic advisor. Because preparing for medical program admissions is more like training for a marathon than a sprint, it is vital that students begin the non-academic portion of their medical program requirements at the beginning of their college career.

Course Selection, A Generic Framework

While the task of advising students how to plan their academic program in the myriad pre-health professions may seem daunting, the course requirements are actually quite straightforward, at least in the early years. Prospective applicants are required to research the schools to which they may apply to best plan their four-year curriculum, but assigning them to the appropriate courses that will get them off to the best possible start is quite formulaic.

To help students plan, the following <u>minimal</u> sequence of courses is recommended. It should be impressed upon the student that this is not the complete list of courses required for the medical program to which they hope to apply. It is a preliminary list of classes that will be supplemented by additional program-specific and school-specific requirements.

FIRST YEAR SEQUENCE*

Fall Semester
CHEM 105 General Chemistry I
BIOL 160 Molecular & Cellular Biology

Spring Semester
CHEM 106 General Chemistry II
BIOL 161 Animal Form and Function (J - Term)
BIOL 162 Plant Form and Function

SOPHOMORE YEAR SEQUENCE*

Fall Semester
CHEM 309 Organic Chemistry I

Spring Semester
CHEM 310 Organic Chemistry II

JUNIOR YEAR SEQUENCE*

Fall Semester
PHYS 211 General Physics I
CHEM 410 Biochemistry I

Spring Semester PHYS 212 General Physics II

^{*} One semester of introduction to psychology (PSYC 101) and one semester of introduction to sociology (SOAN 101) must be completed prior to taking the MCAT.

Planning Your Academic Program

The courses required for the major are those listed under Major Requirements. They are also listed on the checklist in this handbook. To help the student plan, the course listing by semester for courses in the sciences and mathematics are included below. Note: this list does not *guarantee* that any particular course will be offered in a given semester.

EVERY SEMESTER AND J-TERM

Introduction to Psychology

EVERY SEMESTER

Calculus I Natural Sciences Capstone Course

Calculus II Research Methods Introductory Statistics Senior Research

Microbiology for Health Professions Statistical Methods in Psychology

Introduction to Sociology

FALL SEMESTER ONLY

Biochemistry I Molecular and Cellular Biology

Chemical Analysis I Molecular Biology
General Chemistry I Organic Chemistry I
Genetics and Development Physical Chemistry I
Intuitive Calculus with Applications Senior Chemistry Seminar

Statistics for Mathematical Sciences

SPRING SEMESTER ONLY

Animal Form and Function (J-term)

Biochemistry II

Cell Biology (odd years)

Chemical Analysis II

General Chemistry II

Junior Chemistry Seminar

Organic Chemistry II

Plant Form and Function

ALTERNATE YEARS ONLY

Fall Spring

Inorganic Chemistry (odd years) Physical Chemistry II (odd years)

<u>J-Term</u> Advanced Synthesis & Spectroscopy (even years)

Advanced Organic Chem. (odd years)

Environmental Chemistry (even years)

Molecular Genetics (even years)

Remember:

1. Students are personally responsible to plan their program to meet all graduation requirements.

- 2. Under ordinary circumstances, the last thirty (30) credits preceding the conferring of the degree must be earned at Messiah College with a minimum of twelve (12) credits in the major.
- 3. To continue at Messiah, the student will need to maintain a cumulative grade point of 1.80 (0-23 credits), 1.9 (24-56 credits), and 2.0 (57 credits or above).

Preparing for Graduate Study

Messiah College has a proud tradition of preparing students for careers in the health field. While the academic and experiential requirements *may* vary by institution, most of them have similar requirements. Prospective applicants are encouraged to research the schools to which they may apply to best plan their curriculum. The following charts present a brief outline of what is generally expected of successful applicants to medical programs, and how Messiah College prepares its students to meet and often exceed these requirements. You will note that at Messiah we have a Pre-Health *Program*. Our program is best

thought of as an overlay of courses that can be scheduled as part of most majors, with the exception of engineering and nursing.

Messiah College Course Equivalencies

The tables on the following pages refer to course requirements in one year increments. Here is how that translates to specific Messiah College courses.

- 1 year general biology (Biology 160, 161 and 162)
- 1 year general chemistry (Chemistry 105 and 106)
- 1 year organic chemistry (Chemistry 309 and 310)
- 1 semester biochemistry (CHEM 410) (minimum requirement) Two semesters are preferred (CHEM 410 and 412)
- Math Requirement varies by institution. This likely includes one semester of statistics (STAT 269, STAT 291 or PSYC 271) and/or one or two semesters of mathematics (MATH 108 or higher).
- 1 year physics (Physics 201 and 202 or Physics 211 and 212)
- 1 year English (satisfied by FYS, CCC and the writing intensive course requirement)
- 1 semester Psychology (PSYC 101)
- 1semester Sociology (SOAN 101)

Preparing for a Career in Allopathic Medicine (MD)

Description of	U.S. Department of Labor Occupational Outlook Handbook
Profession	www.bls.gov/oco/home.htm or www.explorehealthcareers.org
Course Requirements	 1 year general biology 1 year general chemistry 1 year organic chemistry 1 year general physics Some schools may also require math and/or English (check <i>Medical School Admission Requirements</i>; MSAR; www.aamc.org/msar)
Application Timeline	Medical school directly after MessiahCollege: Required courses completed by end of junior year Apply during summer between junior and senior years
Standardized Test	 Medical College Admission Test (MCAT) Given 22 times from January to September Take after prerequisite courses are completed (usually spring of junior year or summer between junior and senior years) Register on-line (www.aamc.org/students/mcat) (registration available 12 weeks before test, registration deadline 14 days before test) 5 hour test 4 sections: verbal reasoning (score 1-15), physical sciences (general chemistry and physics; score 1-15), biological sciences (general biology and organic chemistry; score 1-15), writing sample (score J-T) Receive scores approximately 30 days after test MCAT Essentials and Preparing for the MCAT Exam (www.aamc.org/students/mcat)
Application Service	 American Medical College Application Service (AMCAS) (www.aamc.org/amcas) Available ≈ May 1 APPLY EARLY!!!
Admissions Criteria	 Overall and science GPA (check MSAR for #'s) MCAT (check MSAR for #'s) Letters of evaluation (committee letter) The type of letter written on behalf of the applicant may vary. For myriad reasons that will be discussed at the time of application, applicants may have a Committee Letter of Recommendation or a Committee Packet of Information sent on their behalf. Interview Extracurricular activities Medically related experience Research experience Study abroad (but take prerequisites in US)
Length of Program	 Medical school: 4 years Residency: 3-8 years
Degree	Doctor of Medicine (MD)
Additional Resources	 American Association of Medical Colleges (<u>www.aamc.org</u>) Tomorrow's Doctors website (<u>www.tomorrowsdoctors.org</u>) American Medical Association (<u>www.ama-assn.org</u>)
Notes	The Health Professions Committee interviews students during the spring semester to facilitate writing committee letter of evaluation

Preparing for a Career in Chiropractic Medicine (DC)

Description of Profession	U.S. Department of Labor Occupational Outlook Handbook www.bls.gov/oco/home.htm
	<u>www.explorehealthcareers.org</u>
Course Requirements	 1 year general biology 1 year general chemistry 1 year organic chemistry 1 year general physics 1 year English 1 semester psychology 5 courses in social sciences or humanities Some schools may also require additional courses (check the Association of Chiropractic Colleges website at www.chirocolleges.org)
Application Timeline	 Chiropractic college directly after Messiah College: Required courses completed by end of senior year (although preference may be given to applicants that complete the required courses sooner) Apply during fall of senior year
Standardized Test	Usually none, but check the Association of Chiropractic Colleges website at www.chirocolleges.org
Application Service	 No centralized application service Apply directly to each Chiropractic College APPLY EARLY!!!
Admissions Criteria	 GPA Health-related experience Personal statement
Length of Program	 Varies by school Typically, 3-4 years
Degree	Doctor of Chiropractic (DC)
Additional Resources	 Association of Chiropractic Colleges (www.chirocolleges.org) The Council on Chiropractic Education (www.cce-usa.org) American Chiropractic Association (www.amerchiro.org)

Preparing for a Career in Dentistry (DDS or DMD)

Description of the	U.S. Department of Labor Occupational Outlook Handbook
Profession	<u>www.bls.gov/oco/home.htm</u> or <u>www.explorehealthcareers.org</u>
Course Requirements	 1 year general biology 1 year general chemistry 1 year organic chemistry 1 year general physics Some schools may also require additional biology, English, math and/or social sciences (check the <i>Official Guide to Dental Schools</i>; www.adea.org)
Application Timeline	Dental school directly after Gettysburg College: Required courses completed by end of junior year Apply during summer between junior and senior years
Standardized Test	 Dental Admission Test (DAT) Given virtually daily at computer test centers Take after general biology, general chemistry, and organic chemistry are completed (usually end of junior year) Register on-line (www.ada.org) Length 4.25 h 4 sections: survey of natural sciences (general biology, general chemistry, organic chemistry), perceptual ability, reading comprehension, quantitative reasoning Receive scores immediately DAT Program Examinee Guide (www.ada.org)
Application Service	 American Association of Dental Schools Application Service (AADSAS) (www.adea.org) Available ≈ May 15 APPLY EARLY!!!
Admissions Criteria	 Overall and science GPA (check <i>Official Guide</i> for #'s) DAT (check <i>Official Guide</i> for #'s) Letters of evaluation (committee letter) - The type of letter written on behalf of the applicant may vary. For myriad reasons that will be discussed at the time of application, applicants may have a Committee Letter of Recommendation or a Committee Packet of Information sent on their behalf. Interview Extracurricular activities Health-related experience
Length of Program	 Dental school: 4 years Specialties require additional education after dental school
Degree	 Doctor of Dental Surgery (DDS) Doctor of Dental Medicine (DMD) (The two degrees are entirely equivalent.)
Additional Resources	 American Student Dental Association (ASDA) (www.asdanet.org) Getting into Dental School: ASDA's Guide for Predental Students (www.asdanet.org/publication) American Dental Association (www.ada.org) American Dental Education Association (www.adea.org)
Notes	The Health Professions Committee interviews students during the spring semester to facilitate writing committee letter of evaluation

Preparing for a Career in Occupational Therapy (MS, MA, MOT or OTD)

Description of	U.S. Department of Labor Occupational Outlook Handbook
Profession	www.bls.gov/oco/home.htm
	• www.explorehealthcareers.org
Course	Requirements vary by school
Requirements	Check the Student section on the American Occupational Therapy
	Association webpage (<u>www.aota.org</u>)
	Generally, course work should include general biology, human anatomy and
	physiology, statistics, and social sciences
Application	Occupational therapy school directly after Messiah College:
Timeline	Required courses completed by end of senior year (although preference may
	be given to applicants that complete the required courses sooner)
	Apply during fall of senior year
Standardized Test	Graduate Record Exam (GRE)
	Given virtually daily at computer test centers
	• Register on-line (<u>www.gre.org</u>)
	• Length 3 h
	• 3 sections : verbal (scores 200-800), quantitative (200-800), analytical
	writing (0-6)
	Receive scores immediately
Application	No centralized application service
Service	Apply directly to each occupational therapy school
	APPLY EARLY!!!
Admissions	• GPA • GRE
Criteria	Letters of evaluation Health-related experience
	Personal statement
Length of	Varies by school
Program	• ≈ 3-4 years for OTD programs
	• ≈ 2 years for MS, MA, or MSOT programs
Degree	OTD (Doctor of Occupational Therapy) (5 programs)
	MS (Master of Science), MA (Master of Arts), or MOT (Master of
	Occupational Therapy) (most programs)
Additional	The American Occupational Therapy Association (www.aota.org)
Resources	
<u> </u>	

Preparing for a Career in Optometry (OD)

Description of the Profession	U.S. Department of Labor Occupational Outlook Handbook www.bls.gov/oco/home.htm or www.explorehealthcareers.org
Course Requirements	 1 year general biology 1 year general chemistry 1 year organic chemistry 1 year general physics 1 year English 1 year math (algebra/trigonometry/calculus) Some schools may also require additional biology and psychology (check Schools and Colleges of Optometry Admission Requirements or online at www.opted.org)
Application Timeline	Optometry school directly after Messiah College: Required courses completed by end of junior year Apply during summer between junior and senior years or in the early fall of senior year
Standardized Test	 Optometry Admission Test (OAT) Given virtually daily at computer test centers Take after general biology, general chemistry, organic chemistry, and physics are completed Register on-line (www.opted.org) Length 275-300 minutes 4 sections: Survey of the Natural Sciences (Biology, General Chemistry, Organic Chemistry), Reading Comprehension, Physics, Quantitative Reasoning Receive scores immediately Scaled scores range from 200 to 400 Examinee Guide available at www.opted.org
Application Service	 No centralized application service Apply directly to each optometry school APPLY EARLY!!!
Admissions Criteria	 Overall and science GPA OAT Letters of evaluation (usually committee letter; additional letters may be required) Interview Extracurricular activities Health-related experience Research experience
Length of Program	Optometry school: 4 years Optional 1 year residency Destroy of Options true (OD)
Degree Additional Resources	 Doctor of Optometry (OD) Association of Schools and Colleges of Optometry (www.opted.org) American Academy of Optometry (www.aaopt.org) American Optometric Association (www.aoanet.org)

Preparing for a Career in Osteopathic Medicine (DO)

Nature of the	• U.S. Department of Labor Occupational Outlook Handbook
Work	www.bls.gov/oco/home.htm or www.explorehealthcareers.org
Course Requirements	• 1 year general biology • 1 year general chemistry
Requirements	• 1 year organic chemistry • 1 year general physics
	• Some schools may also require additional biology, English and/or behavioral science (check Osteopathic Medical College Information Book; CIB; www.aacom.org)
Application	Medical school directly after Gettysburg College:
Timeline	Required courses completed by end of junior year
	Apply during summer between junior and senior years
Standardized Test	Medical College Admission Test (MCAT)
	Given 22 times from January to September
	• Take after prerequisite courses are completed (usually spring of junior year or summer
	between junior and senior years)
	• Register on-line (<u>www.aamc.org/students/mcat</u>) (registration available 12 weeks before test, registration deadline 14 days before test)
	• 5 hour test
	• 4 sections: verbal reasoning (score 1-15), physical sciences (general chemistry and
	physics; score 1-15), biological sciences (general biology and organic chemistry; score
	1-15), writing sample (score J-T)
	Receive scores approximately 30 days after test
	• MCAT Essentials and Preparing for the MCAT Exam <u>www.aamc.org/students/mcat</u>
Application	American Association of Colleges of Osteopathic Medicine Application Service
Service	(AACOMAS) (https://aacomas.aacom.org)
	• Available ≈ June 1
	APPLY EARLY!!!
Admissions	• Overall and science GPA (check CIB for #'s)
Criteria	• MCAT (check CIB for #'s)
	• Letters of evaluation (committee letter and often a letter from a DO; check CIB)
	• Interview
	Extracurricular activitiesMedically related experience
T 41 6	·
Length of Program	Medical school: 4 years
	• Residency: 1-6 years
Degree	Doctor of Osteopathic Medicine (DO)
Additional	• American Association of Colleges of Osteopathic Medicine (<u>www.aacom.org</u>)
Resources	• American Osteopathic Association (AOA) (<u>www.osteopathic.org</u>)
Notes	• The Pre-Health Professions Advising Committee interviews students during the spring
	semester to facilitate writing committee letter of evaluation

Preparing for a Career in Pharmacy (PharmD)

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Description of the Profession	U.S. Department of Labor Occupational Outlook Handbook <u>www.bls.gov/oco/home.htm</u> <u>www.explorehealthcareers.org</u>
Course Requirements	 Requirements vary by school Check the <i>Pharmacy School Admission Requirements</i> (PSAR) (www.aacp.org) Generally, course work should include biology, chemistry, physics, English, social sciences, and humanities
Application Timeline	Pharmacy school directly after Messiah College: Required courses completed by end of fall semester of senior year Apply during summer between junior and senior years or during senior year
Standardized Test	 Pharmacy College Admission Test (PCAT) (www.pcatweb.info) Approximately half of the pharmacy schools require or recommend the PCAT Given four times a year, usually in January, June, August and October Register on-line (www.pcatweb.info) Length 5 h 6 sections: Verbal Ability, Quantitative Ability, Biology, Chemistry, Reading Comprehension, Writing Receive scores approximately 6 weeks after test Scores range from 200 to 600 Candidate Information Booklet (www.pcatweb.info)
Application Service	 Approximately half of the pharmacy schools participate in the Pharmacy College Application Service (PharmCAS) (www.pharmcas.org) Available ≈ June 1 Each school selects an application deadline (November, December, January, February, or March) For pharmacy schools that do not participate in PharmCAS, apply directly to the school APPLY EARLY!!!
Admissions Criteria	 Overall and science GPA (check PSAR for #'s) PCAT Letters of evaluation The type of letter written on behalf of the applicant may vary. For myriad reasons that will be discussed at the time of application, applicants may have a Committee Letter of Recommendation or a Committee Packet of Information sent on their behalf. Interview Written communication skills via an essay during the interview process Health-related experience Extracurricular activities
Length of Program	4 academic years or 3 calendar years
Degree	Doctor of Pharmacy (Pharm.D.)
Additional Resources	 American Association of Colleges of Pharmacy (www.aacp.org) American Pharmacists Association (www.aphanet.org)

Preparing for a Career in Physical Therapy (MS, MPT, or DPT)

U.S. Department of Labor Occupational Outlook Handbook www.bls.gov/oco/home.htm	Nature of the Work	For descriptions of this profession see:
Standardized Test	rature of the work	
Requirements		
Course Requirements • Requirements vary by school • Check the Education section on the American Physical Therapy Association webpage (www.apta.org) • Generally, course work should include general biology, general chemistry, general physics, human anatomy and physiology, statistics, psychology, English, and humanities Application Timeline Physical therapy school directly after Messiah College: • Required courses completed by end of senior year (although preference may be given to applicants that complete the required courses sooner) • Apply during fall of senior year Standardized Test • Graduate Record Exam (GRE) • Given virtually daily at computer test centers • Register on-line (www.gre.org) • Length 3 h • 3 sections: verbal (scores 200-800), quantitative (200-800), analytical writing (0-6) • Receive scores immediately Application Service • No centralized application service • Apply directly to each physical therapy school • APPLY EARLY!!! Admissions Criteria • GPA • GRE • Letters of evaluation • Health-related experience • Writing and interpersonal skills Length of Program • Varies by school • ≈ 3 years for DPT programs Degree • DPT (Doctor of Physical Therapy) (≈ 50% of programs) • MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% • of programs)		
Check the Education section on the American Physical Therapy Association webpage (www.apta.org) Generally, course work should include general biology, general chemistry, general physics, human anatomy and physiology, statistics, psychology, English, and humanities Physical therapy school directly after Messiah College: Required courses completed by end of senior year (although preference may be given to applicants that complete the required courses sooner) Apply during fall of senior year Graduate Record Exam (GRE) Given virtually daily at computer test centers Register on-line (www.gre.org) Length 3 h sections: verbal (scores 200-800), quantitative (200-800), analytical writing (0-6) Receive scores immediately Application Service No centralized application service Apply directly to each physical therapy school APPLY EARLY!!! Admissions Criteria GPA GRE Letters of evaluation Health-related experience Writing and interpersonal skills Varies by school ≈ 3 years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs)	Course Pequirements	
Association webpage (www.apta.org) Generally, course work should include general biology, general chemistry, general physics, human anatomy and physiology, statistics, psychology, English, and humanities Application Timeline Physical therapy school directly after Messiah College: Required courses completed by end of senior year (although preference may be given to applicants that complete the required courses sooner) Apply during fall of senior year Standardized Test Graduate Record Exam (GRE) Given virtually daily at computer test centers Register on-line (www.gre.org) Length 3 h 3 sections: verbal (scores 200-800), quantitative (200-800), analytical writing (0-6) Receive scores immediately Application Service No centralized application service Apply directly to each physical therapy school APPLY EARLY!!! GGRE Letters of evaluation Health-related experience Writing and interpersonal skills Varies by school 3 years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs)	Course Requirements	
 Generally, course work should include general biology, general chemistry, general physics, human anatomy and physiology, statistics, psychology, English, and humanities Application Timeline Physical therapy school directly after Messiah College: Required courses completed by end of senior year (although preference may be given to applicants that complete the required courses sooner) Apply during fall of senior year Standardized Test Graduate Record Exam (GRE) Given virtually daily at computer test centers Register on-line (www.gre.org) Length 3 h 3 sections: verbal (scores 200-800), quantitative (200-800), analytical writing (0-6) Receive scores immediately Application Service No centralized application service Apply directly to each physical therapy school APPLY EARLY!!! Admissions Criteria GPA GRE Letters of evaluation Health-related experience Writing and interpersonal skills Length of Program Varies by school ≈ 3 years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs) 		
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Application Timeline Physical therapy school directly after Messiah College: • Required courses completed by end of senior year (although preference may be given to applicants that complete the required courses sooner) • Apply during fall of senior year Standardized Test Graduate Record Exam (GRE) • Given virtually daily at computer test centers • Register on-line (www.gre.org) • Length 3 h • 3 sections: verbal (scores 200-800), quantitative (200-800), analytical writing (0-6) • Receive scores immediately Application Service No centralized application service • Apply directly to each physical therapy school • APPLY EARLY!!! Admissions Criteria GPA • GRE • Letters of evaluation • Health-related experience • Writing and interpersonal skills Length of Program Varies by school • ≈ 3 years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) • MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs)		
Application Timeline Physical therapy school directly after Messiah College: • Required courses completed by end of senior year (although preference may be given to applicants that complete the required courses sooner) • Apply during fall of senior year • Graduate Record Exam (GRE) • Given virtually daily at computer test centers • Register on-line (www.gre.org) • Length 3 h • 3 sections: verbal (scores 200-800), quantitative (200-800), analytical writing (0-6) • Receive scores immediately Application Service • No centralized application service • Apply directly to each physical therapy school • APPLY EARLY!!! • GPA • GRE • Letters of evaluation • Health-related experience • Writing and interpersonal skills Length of Program • Varies by school • ≈ 3 years for DPT programs • DPT (Doctor of Physical Therapy) (≈ 50% of programs) • MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs)		
 Required courses completed by end of senior year (although preference may be given to applicants that complete the required courses sooner) Apply during fall of senior year Graduate Record Exam (GRE) Given virtually daily at computer test centers Register on-line (www.gre.org) Length 3 h 3 sections : verbal (scores 200-800), quantitative (200-800), analytical writing (0-6) Receive scores immediately Application Service Apply directly to each physical therapy school APPLY EARLY!!! GGRE Letters of evaluation Health-related experience Writing and interpersonal skills Length of Program Varies by school ≈ 3 years for DPT programs DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs) 		
 Required courses completed by end of senior year (although preference may be given to applicants that complete the required courses sooner) Apply during fall of senior year Graduate Record Exam (GRE) Given virtually daily at computer test centers Register on-line (www.gre.org) Length 3 h 3 sections : verbal (scores 200-800), quantitative (200-800), analytical writing (0-6) Receive scores immediately Application Service Apply directly to each physical therapy school APPLY EARLY!!! GGRE Letters of evaluation Health-related experience Writing and interpersonal skills Length of Program Varies by school ≈ 3 years for DPT programs DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs) 	Application Timeline	Physical therapy school directly after Messiah College:
Apply during fall of senior year		Required courses completed by end of senior year (although preference)
Standardized Test O Graduate Record Exam (GRE) O Given virtually daily at computer test centers Register on-line (www.gre.org) Length 3 h O sections: verbal (scores 200-800), quantitative (200-800), analytical writing (0-6) Receive scores immediately Application Service No centralized application service Apply directly to each physical therapy school APPLY EARLY!!! GPA OGRE Letters of evaluation Health-related experience Writing and interpersonal skills Length of Program Varies by school ∀ varies by school ∀ a years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs)		may be given to applicants that complete the required courses sooner)
 Given virtually daily at computer test centers Register on-line (www.gre.org) Length 3 h 3 sections: verbal (scores 200-800), quantitative (200-800), analytical writing (0-6) Receive scores immediately Application Service Apply directly to each physical therapy school APPLY EARLY!!! Admissions Criteria GPA GRE Letters of evaluation Health-related experience Writing and interpersonal skills Length of Program Varies by school ≈ 3 years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs) 		Apply during fall of senior year
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 Length 3 h 3 sections: verbal (scores 200-800), quantitative (200-800), analytical writing (0-6) Receive scores immediately No centralized application service Apply directly to each physical therapy school APPLY EARLY!!! GGPA GRE Letters of evaluation Health-related experience Writing and interpersonal skills Length of Program Varies by school ≈ 3 years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs) 		Given virtually daily at computer test centers
 3 sections: verbal (scores 200-800), quantitative (200-800), analytical writing (0-6) Receive scores immediately No centralized application service Apply directly to each physical therapy school APPLY EARLY!!! GPA GRE Letters of evaluation Health-related experience Writing and interpersonal skills Length of Program Varies by school ≈ 3 years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs) 		• Register on-line (<u>www.gre.org</u>)
writing (0-6) • Receive scores immediately Application Service • No centralized application service • Apply directly to each physical therapy school • APPLY EARLY!!! Admissions Criteria • GPA • GRE • Letters of evaluation • Health-related experience • Writing and interpersonal skills Length of Program • Varies by school • ≈ 3 years for DPT programs Degree • DPT (Doctor of Physical Therapy) (≈ 50% of programs) • MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs)		
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Application Service • No centralized application service • Apply directly to each physical therapy school • APPLY EARLY!!! Admissions Criteria • GPA • GRE • Letters of evaluation • Health-related experience • Writing and interpersonal skills Length of Program • Varies by school • ≈ 3 years for DPT programs • DPT (Doctor of Physical Therapy) (≈ 50% of programs) • MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs)		
 Apply directly to each physical therapy school APPLY EARLY!!! Admissions Criteria GPA GRE Letters of evaluation Health-related experience Writing and interpersonal skills Length of Program Varies by school ≈ 3 years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs) 		Receive scores immediately
 APPLY EARLY!!! GGPA GRE Letters of evaluation Health-related experience Writing and interpersonal skills Length of Program Varies by school ≈ 3 years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs) 	Application Service	
Admissions Criteria • GPA • GRE • Letters of evaluation • Health-related experience • Writing and interpersonal skills Length of Program • Varies by school • ≈ 3 years for DPT programs Degree • DPT (Doctor of Physical Therapy) (≈ 50% of programs) • MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs)		Apply directly to each physical therapy school
 GRE Letters of evaluation Health-related experience Writing and interpersonal skills Length of Program Varies by school ≈ 3 years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs) 		APPLY EARLY!!!
 Letters of evaluation Health-related experience Writing and interpersonal skills Varies by school ≈ 3 years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs) 	Admissions Criteria	• GPA
 Health-related experience Writing and interpersonal skills Varies by school ≈ 3 years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs) 		• GRE
 Writing and interpersonal skills Length of Program Varies by school ≈ 3 years for DPT programs Degree DPT (Doctor of Physical Therapy) (≈ 50% of programs) MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs) 		
Length of Program • Varies by school • ≈ 3 years for DPT programs Degree • DPT (Doctor of Physical Therapy) (≈ 50% of programs) • MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs)		
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Degree • DPT (Doctor of Physical Therapy) (≈ 50% of programs) • MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs)	Length of Program	Varies by school
MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs)		≈ 3 years for DPT programs
MS (Master of Science) or MPT (Master of Physical Therapy) (≈ 50% of programs)	Degree	• DPT (Doctor of Physical Therapy) (≈ 50% of programs)
Additional Resources • American Physical Therapy Association (www.apta.org)	Additional Resources	American Physical Therapy Association (www.apta.org)

Preparing for a Career as a Physician Assistant (PA)

Description of the	U.S. Department of Labor Occupational Outlook Handbook
Profession	www.bls.gov/oco/home.htm
	www.explorehealthcareers.org
Course	Requirements vary by school
Requirements	 Check the <i>Physician Assistant Programs Directory</i> (www.paeaonline.org/directory)
1	Generally, course work should include general biology, general chemistry and
	sometimes organic chemistry, human anatomy and physiology, microbiology,
	statistics, social sciences, and humanities
Application	Physician assistant school directly after Messiah College:
Timeline	Required courses completed by end of senior year (although preference may be given
	to applicants that complete the required courses sooner)
	Apply during summer between junior and senior years or during senior year
Standardized Test	Usually Graduate Record Exam (GRE) (check the <i>Physician Assistant Programs</i>
	Directory)
	Given virtually daily at computer test centers
	• Register on-line (<u>www.gre.org</u>)
	• Length 3 h
	• 3 sections : verbal (scores 200-800), quantitative (200-800), analytical writing (0-6)
	Receive scores immediately
Application Service	• 90 of the 134 physician assistant programs participate in the Central Application
	Service for Physician Assistants (CASPA) (<u>www.caspaonline.org</u>)
	Available ≈ May 1 The state of the st
	• Each school selects an application deadline (typically in the fall)
	 For physician assistant programs that do not participate in CASPA, apply directly to the school
	APPLY EARLY!!!
Admissions	
Admissions Criteria	GPA (check the <i>Physician Assistant Programs Directory</i> for #'s) CPE if remain 1 (the shades Physician Assistant Programs Directory for #'s)
Criteria	 GRE, if required (check the <i>Physician Assistant Programs Directory</i> for #'s) Written statement
	Letters of evaluation
	 The type of letter written on behalf of the applicant may vary. For myriad reasons that
	will be discussed at the time of application, applicants may have a Committee Letter of
	Recommendation or a Committee Packet of Information sent on their behalf.
	Interview
	Health-related experience (type and amount varies greatly by school; check the
	Physician Assistant Programs Directory)
	Interview
Length of Program	Varies by school (check the <i>Physician Assistant Programs Directory</i>)
	• Typically, 2 years
Degree	Physician Assistant (PA)
Additional	Physician Assistant Education Association (www.paeaonline.org)
Resources	American Academy of Physician Assistants (www.aapa.org)
	www.physicianassistant.net
	· · · · · · · · · · · · · · · · · · ·

Preparing for a Career in Podiatric Medicine

Description of the Profession Course Requirements	 U.S. Department of Labor Occupational Outlook Handbook www.bls.gov/oco/home.htm www.explorehealthcareers.org 1 year general biology 1 year general chemistry 1 year organic chemistry 1 year general physics 1 year English Some schools require additional courses (check the American Association of Colleges of Podiatric Medicine (AACPM) website: www.aacpm.org)
Application Timeline	Podiatry school directly after Messiah College: • Required courses completed by end of junior year • Apply during fall of senior year
Standardized Test	 Applicants are required to take the MCAT (www.aamc.org/mcat), DAT (www.ada.org), or GRE (www.gre.org) Check the AACPM website (www.aacpm.org) to determine which test(s) is(are) acceptable for individual schools
Application Service	 American Association of Colleges of Podiatric Medicine Application Service (e-AACPMAS) (www.e-aacpmas.org) Available ≈ September 1 APPLY EARLY!!!
Admissions Criteria	 Overall and science GPA Standardized test scores Letters of evaluation (committee or individual letters, and often a letter from a DPM; check the AACPM website (www.aacpm.org) Health-related experience Interview
Length of Program	Podiatry school: 4 yearsResidency 2-3 years
Additional Resources	 American Association of Colleges of Podiatric Medicine (AACPM) (www.aacpm.org) American Podiatric Medical Association (APMA) (www.apma.org)

Preparing for a Career in Public Health

D	A '.' CO.1 1 CD.11 IV 11 1 (1)
Description of the	Association of Schools of Public Health webpage (<u>www.asph.org</u>)
Profession	• <u>www.explorehealthcareers.org</u>
Options	• There are 5 core areas of public health:
	Biostatistics
	Epidemiology
	Health Services Administration
	Health Education/Behavioral Science
	Environmental Health
	Many schools offer concentrations in addition to the 5 core areas of public health Clark to the first of the fir
	Check the Association of Schools of Public Health website (<u>www.asph.org</u>) for a List of sub-sub-sub-sub-sub-sub-sub-sub-sub-sub-
C	list of schools of public health
Course	Requirements vary by school
Requirements	Dublic health school directly often Massich College
Application Timeline	Public health school directly after Messiah College:
1 intenne	Required courses completed by end of senior year (although preference may be given to applicants that complete the required courses sooner)
	 Apply during fall of senior year
Standardized Test	
Standardized Test	· · · · · · · · · · · · · · · · · · ·
	Given virtually daily at computer test centers Projector on line (computer test centers)
	• Register on-line (<u>www.gre.org</u>)
	• Length 3 h
	• 3 sections: verbal (scores 200-800), quantitative (200-800), analytical writing (0-6)
Application Convice	Receive scores immediately 22 of the 20 of health of multiplicable activities to in the Salarah of Bullia Health 23 of the 20 of health of multiplicable activities to in the Salarah of Bullia Health 24 of the 20 of health of multiplicable activities to in the Salarah of Bullia Health 25 of the 26 of health of multiplicable activities to in the Salarah of Bullia Health 26 of the 27 of the 27 of health of multiplicable activities to in the Salarah of Bullia Health 27 of the 27 of the 27 of health of multiplicable activities to in the Salarah of Bullia Health 28 of the 27 of the 27 of health of multiplicable activities to in the Salarah of Bullia Health 29 of the 27 o
Application Service	• 22 of the 39 schools of public health participate in the Schools of Public Health
	Application Service (SOPHAS) (<u>www.sophas.org</u>)
	Available ~ September 1APPLY EARLY!!!
Longth of Dunguam	
Length of Program	Varies by school Next and a second school
	Master degree programs ≈ 1-2 years Posteral degree programs ≈ 2 years
Dogwoo	Doctoral degree programs ≈ 3 years or more Mostor of Public Health (MPH)
Degree	Master of Public Health (MPH) Master of Health Administration (MHA)
	Master of Health Administration (MHA) Master of Science (MS)
	Master of Science (MS) Deptar of Public Health (Depth)
	Doctor of Public Health (DrPH) Doctor of Philosophy (PhD)
	Doctor of Philosophy (PhD) Doctor of Science (Sop)
Admissions	Doctor of Science (ScD) CDA CDB CDB CDB CDB CDB CDB CDB
Admissions Criteria	• GPA • GRE
Criteria	Letters of evaluation Health-related experience
A 1 11/4	Personal statement
Additional	Association of Schools of Public Health (<u>www.asph.org</u>)
Resources	• www.publichealthjobs.net
	• <u>www.whatispublichealth.org</u>
	American Public Health Association (www.apha.org)

XIII. ADVISING INTERNATIONAL STUDENTS ON AN F-1 VISA

Contents

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Advising International Students on an F-1 Visa

The primary category of international students that Messiah College accepts is students who are citizens of a country other than the U.S. and have been admitted entry into the United States on an F-1 Visa. These students have particular precautions that they need to take in order to remain in compliance with their visas.

Commonly Used Terms

I-20: Certificate of Eligibility for Non-immigrant (F-1) Student Status, issued by Messiah College and other approved institutions. The form contains information such as student's major, program start and end dates and student's financial information.

F-1 Visa: An entry permit issued by a U.S. embassy/consulate abroad for students who wish to enter the U.S. for the purpose of pursuing full-time studies.

DSO: This stands for Designated School Official. A DSO is a regular employee of the college approved by the Department of Homeland Security to access SEVIS. A DSO is responsible for issuing I-20s; approving - reduced course load, internship and other work authorization; and reporting and updating student's information in SEVIS. A DSO is also the one who can endorse a student's I-20 for travel.

Maintaining Status: This means the students are complying with immigration regulations pertaining to their F-1 student status. Students are considered to be "in status" or maintaining status if they are complying with the regulations. If they are in violation of their status they are considered to be "out of status" and therefore, ineligible for certain benefits of their status.

SEVIS: The Student and Exchange Visitor Information System is an internet-based automated system that maintains current information on non-immigrant students and scholars. Schools must report information on students and scholars in SEVIS, which is accessible the government.

Advising Issues that Impact F-1 Students

Change of Major

If an F-1 international student changes a major or adds a major they must inform the Intercultural Office, as the student needs to obtain a new I-20 to reflect their current degree programs.

Extension of Program

A student who is unable to complete his or her studies by the end date indicated on his or her I-20 must apply for an extension prior to the expiration of their I-20. A delay caused by academic probation or suspension is not an acceptable reason for extension.

Full-Time Enrollment

F-1 international students are required to study full-time each term by enrolling in and completing a **minimum of 12 credit hours** each semester. *

Internship for F-1 Students and Curricular Practical Training (CPT):

F-1 international students who wish to do an internship or practicum <u>MUST</u> apply for Curricular Practical Training (CPT). CPT is granted for an internship or practicum that is directly related to the student's degree program. This includes student teaching, paid and unpaid internships. To be eligible for CPT an F-1 student must:

- Have been enrolled full-time for at least one full academic year
- Be maintaining legal F-1 immigration status
- Work with the Intercultural Office to properly apply for CPT
- Register for academic credit in order to be authorized to do the internship
 - If the internship/practicum is not required for their major, they must enroll in the internship class offered by the Career and Professional Development Center.
- Have an internship job offer

Online Courses

F-1 international students are required to take most of their classes in a traditional classroom setting. Only 3 online credits hours per semester or term will be counted towards full-time enrollment. Students who are taking overload courses may take more than 3 credits hours of online classes. *If a student only needs one course to complete his or her degree program, that course cannot be taken online.*

For more information, please contact the Intercultural Office:

Visit our website at: www.messiah.edu/intercultural

Gina Hale, Intercultural Office Administrative Assistant ghale@messiah.edu x2131

Minoska Villegas, Intercultural Programs Advisor, DSO mvillegas@messiah.edu x6700

Lydia Skulstad, Director of International Student Programs, DSO lskulstad@messiah.edu x2172

^{*}Under certain academic or medical circumstances, international students on F-1 status may receive authorization from the Intercultural Office for a Reduced Course Load (RCL), which gives them permission to enroll in less than 12 credits.