

III. PSYCHOLOGY, CRIMINAL JUSTICE, and SOCIOLOGY

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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. 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.

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 158	Human Biology	4
IDFY 101	First Year Seminar*	3	IDCR 151	Created & Called for Community*	3
Varies	QuEST Math/CIS/Statistics*	3	Varies	1st semester of language*	3
COMM 105	Fundamentals of Oral Communication*	3	PHIL/RELI	QuEST Philosophy or Religion*	3
		TOTAL			13
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	2nd semester of language*	3	Varies	3rd semester of language or Cross Cultural*	3
BIBL 2xx	Encountering the Bible/OT/NT*	3	Varies	QuEST Literature Elective*	3
HIST xxx	QuEST History*	3	Varies	Free Elective	3
		TOTAL			15
Junior – Fall			Junior – Spring		
PSYC 345 or 350	Cognition or Biological Basis Behavior (Fall only)	3	PSYC xxx	Psychology Elective	3
IDNW 2xx	Non-Western Studies*	2-3	PSYC xxx	Psychology Elective	3
Varies	QuEST Art, Music, or Theatre*	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
Senior – Fall			Senior – Spring		
PSYC 408 or 409	Experimental Psychology (Fall only) or Psychology Testing	3	PSYC 494	Psychology Seminar Psychology	3
WELL xxX	QuEST Wellness*	1	PSYC xxx	Elective	3
Varies	Free Elective	3	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			
		TOTAL			16
TOTAL			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.

**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 158	Human Biology	4
IDFY 101	First Year Seminar*	3	IDCR 151	Created & Called for Community*	3
MATH/CIS/STAT	QuEST Math/CIS/Statistics*	3	Varies	1 st semester of language*	3
COMM 105	Fundamentals of Oral Communication*	3	PHIL/RELI	QuEST Philosophy or Religion*	3
	TOTAL	13		TOTAL	15
Sophomore –Fall			Sophomore – Spring		
PSYC 271	Statistical Methods in Psychology	3	PSYC 272	Research Methods in Psychology	3
PSYC 324	Personality (Fall only)	3	PSYC 226	Social Psychology	3
Varies	2 nd semester of language*	3	Varies	3 rd semester language or Cross Cultural*	3
BIBL 2xx	Encountering the Bible/OT/NT*	3	Varies	QuEST Literature *	3
HIST xxx	QuEST History*	3	Varies	Free Elective	3
	TOTAL	15		TOTAL	15
Junior – Fall			Junior – Spring		
PSYC 345 / 204	Cognition or Bio. Basis Behavior (Fall only)	3	PSYC 323	Counseling Theories	3
PSYC 319	Abnormal Psychology	3	PSYC 441	History and Systems	3
IDNW 2xx	Non-Western Studies*	2-3	Varies	Ethics/World Views/ Pluralism*	3
Varies	QuEST Art, Music, or Theatre*	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		
PSYC 408 or 409	Experimental Psychology (Fall only) 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	QuEST Wellness*	1	Varies	Free Elective (or internship)	3
Varies	Free Elective	3	Varies	Free Elective	3
Varies	Free Elective	3	Varies	Free Elective	3
Varies	Free Elective	3			
	TOTAL	16		TOTAL	15

*QuEST requirement

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

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

Course #	Course name	Credits	Course #	Course name	Credits
Semester 1 – Fall			Semester 2 – Spring		
PSYC 099	Writing for Psychology	1	PSYC 209	Lifespan Development	3
PSYC 101	Introduction to Psychology	3	BIOL 186	Human Anatomy and Physiology II	4
IDFY 101	First Year Seminar*	3	IDCR 151	Created & Called for Community*	3
BIOL 185	Human Anatomy and Physiology	4	Varies	1st semester of language*	3
COMM 105	Fundamentals of Oral Communication*	3	STAT 269	Statistics (or QuEST Math/CIS)*	3
TOTAL		14	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
BIOL 158	Human Biology	4	PSYC 351	Sensation and Perception (Spring only)	3
WELL xxx	QuEST Wellness*	1	ATHT 201	Medical Terminology	2
Varies	2nd semester of language*	3	Varies	3rd semester of language or Cross Cultural*	3
TOTAL		16	TOTAL		17
Semester 5 – Fall			Semester 6 – Spring		
PSYC 494	Psychology Seminar	3	PSYC 319	Abnormal Psychology	3
PSYC 408	Experimental Psychology (Fall only)	3	PSYC 441	History and Systems	3
IDxx xxx	Ethics/World Views/Pluralism*	3	HIST xxx	QuEST History*	3
IDNW 2xx	Non-Western Studies*	3	THEO xxx	Christian Beliefs*	3
PHIL/RELI	QuEST Philosophy or Religion*	3	Varies	QuEST Art, Music, or Theatre meeting QuEST*	3
Varies	Elective	3	Varies	QuEST Literature meeting QuEST*	3
TOTAL		18	TOTAL		18
Summer Between 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
	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		
					TOTAL
					10
Summer After 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: 178-179 total credits

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

Criminal Justice 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 semester of language*	3	Varies	2nd semester of language*	3
COMM 105	Foundations of Oral Communication*	3	CRIJ 103	Crime, Justice and Society*	3
Varies	QuEST Math/CIS/STAT*	3-4	Varies	Laboratory Science meeting QuEST*	3-4
varies	Elective or minor requirement	3	varies	Elective or minor requirement	3
		Total			Total
		15-16			15-16
Sophomore – Fall			Sophomore – Spring		
Varies	3rd semester of language or cross-cultural*	3	ENGL 1xx	QuEST Literature meeting QuEST*	3
Varies	2nd social science/history meeting QuEST*	3	Varies	Philosophy or Religion*	3
BIBL 2xx	Knowledge of the Bible*	3	SOAN 285	Research Methods	3
CRIJ 201	Law Enforcement	3	CRIJ 259	Criminal Law and the Court	3
varies	Elective or minor requirement	3	varies	Elective or minor requirement	3
		Total			Total
		15			15
Junior – Fall			Junior – Spring		
Varies	Christian Beliefs*	3	WELL 1xx	QuEST Wellness*	1
Varies	Art, Music, or Theatre meeting Quest*	3	Varies	Non-Western Studies*	3
CRIJ 366	Corrections	3	CRIJ 362	Criminology	3
SOAN 356	Social Inequality (QuEST Pluralism)*	3	CRIJ 367	Victimology	3
varies	Elective or minor requirement	3	varies	Elective or minor requirement	3
			varies	Elective or minor requirement	3
		Total			Total
		15			16
Senior – Fall			Senior – Spring		
CRIJ 371	Christian Faith and Criminal Justice	3	CRIJ 369	Forensics	3
SOAN 442	Senior Thesis	3	varies	Criminal Justice elective	3
INTE 391	Internship	3	varies	Elective or minor requirement	3
varies	Elective or minor requirement	3	varies	Elective or minor requirement	3
varies	Elective or minor requirement	3	varies	Elective or minor requirement	3
		Total			Total
		15			15

*QuEST requirement
Students need 123 credits to graduate

Sociology and Anthropology (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 semester of language *	3	Varies	2nd semester of language *	3
COMM 105	Foundations of Oral Communication*	3	SOAN 101	Principles of Sociology*	3
Varies	QuEST MATH/CIS/STAT *	3-4	Varies	QuEST Laboratory Science *	3-4
Varies	Elective or minor requirement	3	Varies	Elective or minor requirement	3
Total		15-16	Total		15-16
Sophomore – Fall			Sophomore – Spring		
Varies	3rd semester of language/cross-cultural*	3	ENGL 1xx	QuEST Literature meeting QuEST*	3
Varies	QuEST History*	3	Varies	Philosophy or Religion*	3
BIBL 2xx	Knowledge of the Bible*	3	SOAN 285	Research Methods	3
SOAN 212	Cultural Anthropology (QuEST N-W)	3	SOAN 335	Social Conflict and Reconciliation	3
SOAN 342	Race and Gender in the U.S. *	3	Varies	Sociology and Anthropology elective	3
Total		15	Total		15
Junior – Fall			Junior – Spring		
Varies	Christian Beliefs*	3	WELL 1xx	Wellness*	1
Varies	QuEST ART, THEA, MUSI*	3	Varies	Non-Western Studies*	3
SOAN 356	Social Inequality (QuEST Pluralism)	3	SOAN 236	Ethnography (QuEST N-W)	3
SOAN 331	Sociocultural Theory	3	Varies	Sociology and Anthropology elective	3
Varies	Elective or minor requirement	3	Varies	Elective or minor requirement	3
			Varies	Elective or minor requirement	3
Total		15	Total		16
Senior – Fall			Senior – Spring		
Varies	Ethics, World View or Pluralism*	3	Varies	Science, Technology & the World*	3
SOAN 442	Senior Thesis	3	SOAN 341	Religion and Society	3
INTE 391	Internship	3	Varies	Elective or minor requirement	3
Varies	Elective or minor requirement	3	Varies	Elective or minor requirement	3
Varies	Elective or minor requirement	3	Varies	Elective or minor requirement	3
Total		15	Total		15

*meets quest requirement

Students need 123 credits to graduate