



Messiah College-Philadelphia Campus Articulation Statement



ENGR: Computer Concentration

Update 03.07.05

The Messiah College department of engineering approves that the following Temple courses taken through the Philadelphia Campus meet the listed requirements/electives for the engineering computer concentration for the major. To review the semesters that these courses *usually* are offered, refer to the course descriptions provided in Temple University's online undergraduate bulletin at <http://www.temple.edu/bulletin>. Course descriptions indicate that a course is offered a particular semester using the following method:

- F in the course listing means the course is offered in the Fall
- S in the course listing means the course is offered in the Spring
- SS in the course listing means the course is offered during one of Temple's Summer Sessions

SECOND YEAR: FALL			
Messiah Course	# Cr	Temple Course	# Cr
MAT 211 Calculus III	4	MAT 0127 Calculus III	4
CSC 181 Computer Programming I	3	CIS C081 Computer Programming and Higher Level Language	4
PHY 212 Physics II	4	PHYC088 Elementary Classical Physics II	4
ENGR 231 Engineering Statics	3	ENGR 0131 Engineering Statics	3
General Education	3	At Philadelphia Campus: BIB 200, World Views, CB, Ethics	3

SECOND YEAR: SPRING			
Messiah Course	# Cr	Temple Course	# Cr
MAT 261 Linear Algebra	3	MAT 0147 Linear Algebra	3
ENGR 254 Materials Engineering	4	ENGR W233 Materials Science for Engineers(3)+ MECH ENGR 0005 Materials Laboratory(1)	4
ENGR 242 Experimental Methods	3	MAT 0234 Intro to Mathematical Statistics	3
Physical Education	1	At Philadelphia Campus in conjunction with Temple University: Physical Education under Kinesiology	2
General Education	3	AT Philadelphia Campus: BIB 200, World Views, CB, Ethics	3

THIRD YEAR: FALL			
Messiah Course	# Cr	Temple Course	# Cr
MAT 308 Differential Equations	3	MAT 0251 Differential Equations	3
ENGR 340 Analog electronics	3	ELEC ENGR 0254/0255 Electrical Devices and Circuits <i>(As this course is only offered during the spring semester at Temple, students interested in studying at the Philadelphia Campus their junior year should plan to complete this course during the spring semester of their second year)</i>	4
ENGR 349 Digital Electronics	3	ELEC ENGR 0256/7 Digital Circuit Design + lab	4
CSC 281 Assembly Language	3	CIS 0217 Computer Architecture	4

Nonwestern	3	At Philadelphia Campus in conjunction with Temple University: History, Religion, African American Studies, Asian Studies, Political Science, Latin American Studies, etc.	3
General Education	3	At Philadelphia Campus: BIB 200, World Views, CB, Ethics	3
General Education	3	At Philadelphia Campus in conjunction with Temple University: History, Lit, Philo, Art....etc.	3

OTHER COURSE EQUIVALENCIES IN THE COMP ENGR CONCENTRATION

Messiah Course	# Cr	Temple Course	# Cr
CSC 182	3	CIS 083 Object-Oriented Programming	4
CSC 282 Data Structures	3	CIS 0223 Data Structures and Algorithms	4
ENGR 342 Microprocessor Applications	4	ELEC ENGR 0235/6 Microprocessor Systems + lab	4
ENGR/CSC Electives	6	Students may complete elective courses at the Messiah College-Philadelphia Campus in conjunction with Temple University with the approval of their Messiah College Academic Advisor	