



# Messiah College-Philadelphia Campus Articulation Statement



## ENGR: Electrical 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 electrical engineering 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

<b>SECOND YEAR: FALL</b>			
<b>Messiah Course</b>	<b># Cr</b>	<b>Temple Course</b>	<b># Cr</b>
MAT 211 Calculus III	4	<b>MAT 0127</b> Calculus III	4
MAT 261 Linear Algebra	3	<b>MAT 0147</b> Linear Algebra	3
PHY 212 Physics II	4	<b>PHYC088</b> Elementary Classical Physics II	4
ENGR 231 Engineering Statics	3	<b>ENGR 0131</b> Engineering Statics	3
General Education	3	<b>At Philadelphia Campus:</b> BIB 200, World Views, CB, Ethics	3
<b>SECOND YEAR: SPRING</b>			
<b>Messiah Course</b>	<b># Cr</b>	<b>Temple Course</b>	<b># Cr</b>
MAT 308 Differential Equations	3	<b>MAT 0251</b> Differential Equations I	3

ENGR 254 Materials Engineering	4	<b>ENGR W233</b> Materials Science for Engineers(3)+ <b>MECH ENGR 0005</b> Materials Laboratory(1)	4
ENGR 242 Experimental Methods	3	<b>MAT 0234</b> Intro to Mathematical Statistics	3
CSC 181 Computer Programming I	3	<b>CIS 081</b> Computer Programming and Higher Level Language	4
General Education	3	<b>At Philadelphia Campus:</b> BIB 200, World Views, CB, Ethics	3

THIRD YEAR: FALL			
Messiah Course	# Cr	Temple Course	# Cr
ENGR 340 Analog electronics	3	<b>ELEC ENGR 0254/0255</b> 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	<b>ELEC ENGR 0256/7</b> Digital Circuit Design + lab	4
ENGR 367 Electromagnetics	3	<b>ELEC ENGR 0220</b> Intro to Electromagnetic Fields and Waves	3
Nonwestern	3	<b>At Philadelphia Campus in conjunction with Temple University:</b> History, Religion, African American Studies, Asian Studies, Political Science, Latin American Studies, etc.	3
General Education	3	<b>At Philadelphia Campus:</b> BIB 200, World Views, CB, Ethics	3

General Education	3	<b>At Philadelphia Campus in conjunction with Temple:</b> History, Lit, Philo, Art...etc.	3
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<b>OTHER COURSE EQUIVALENCIES IN THE ELEC ENGR CONCENTRATION</b>			
<b>Messiah Course</b>	<b># Cr</b>	<b>Temple Course</b>	<b># Cr</b>
ENGR 342 Microprocessor Applications	4	<b>ELEC ENGR 0235/6</b> Microprocessor Systems + lab	4
ENGR 364 Electrical Devices	4	<b>ELEC ENGR 0254/5</b> Electrical Devices and Circuit + lab	4
ENGR 365 Linear Systems	3	<b>ELEC ENGR 0210</b> Signal: Continuous and Discrete	4
ENGR 369 Communications Systems	3	<b>ELEC ENGR 0300/1</b> Analog and digital Communications + lab	4
ENGR Electives	3	Students may complete elective courses at the Philadelphia Campus in conjunction with Temple University with the approval of their Messiah College Academic Advisor	