

**Associate in Engineering (Engineering Emphasis)
Years 1 and 2 at**

Metropolitan Community College

COLL 100	First Year Seminar	1
General Education Requirements		Credits
HIST 120	United States History to 1865 or	3
HIST 121	United States History Since 1865	
ECON 210	Macroeconomics or	3
POLS 135	Introduction to Political Science or	
POLS 136	Introduction to American National Politics or	
POLS 137	Introduction to State and Local Politics	
ENGL 101	Composition and Reading I	3
ENGL 102	Composition and Reading II	3
SPDR 100	Fundamentals of Speech	3
Engineering Emphasis Specific Program Requirements		
CHEM 111	General College Chemistry	5
ENGR 101	Intro to the Profession	1
ENGR 104	Programming for Engineers or	3
CSIS 123	Programming Fundamentals	
ENGR 113	Engineering Design & Microcomputer Apps or	3-5
ETEC 152	Engineering Graphics & CADD I	
ENGR 229	Statics	3
MATH 180	Analytic Geometry and Calculus I	5
MATH 190	Analytic Geometry and Calculus II	5
MATH 210	Analytic Geometry and Calculus III	5
MATH 230	Differential Equations	3
PHYS 220	Engineering Physics I	5
PHYS 221	Engineering Physics II	5
Two of the following seven courses		
CHEM 221	Organic Chemistry I	6-10
CHEM 222	Organic Chemistry II	
ENGR 215	Engineering Statistics and Compilation	
ENGR 223	Thermodynamics and Heat Transfer	
ENGR 230	Dynamics	
ENGR 233	Circuit Analysis	
ENGR 240	Mechanics and Material	
Total Credit Hours Required		65-71
Student must complete Circuit Analysis (ENGR233) at MCC		

**Bachelor of Electronics Engineering Technology
Years 3 and 4**

College of Engineering and Computer Science

Specialized Education Requirements	Credits
EN361 Technical Writing (EN101)	3
EE100 Engineering and Ethics	3
EE115 Fundamental Properties of AC Circuits/lab(EE105)	4
EE212 Electronics I/lab (EE115)	4
EE222 Electronics II/lab (EE212)	4
CE212 Digital Electronics/lab (CS192 and EE105)	4
CE262 Microprocessor Systems Engineering/lab(CE212)	4
CS263 Programming in C (CS192)	4
EE332 Analog Integrated Circuits/lab(EE222 & MA302)	4
EE372 Instrumentation and Measurement/lab(EE212)	4
EE382 Signals and Systems Theory/lab (MA312)	4
EE410 Technical Project Management	4
EE450 Capstone Project (EE410)	4
EE 300 level or higher elective w/lab	3
Elective (Any EE, CE, CS, or IS Course 300 or Higher)	8
Total Credit Hours Required	126