

College of Technology Pathways

Engineering Science Core Curriculum – A.S. Degree		Technology Studies Core Curriculum - A.S. Degree	
Course	Credits	Course	Credits
<i>General Education</i>		<i>General Education</i>	
ENG 101 Composition	3	ENG 101 Composition	3
ENG 110 Intro to Literature or ENG 102 Literature & Composition	3	ENG 202 Technical Writing	3
History Elective	3	COM 173 Public Speaking	3
Behavioral or Social Science Elective	3	History Elective or Economics Elective	3
ART or Humanities Elective	3	Psychology Elective or Sociology Elective	3
ART or Humanities Elective	3	Fine Arts Elective	3
		Geography Elective or Political Science Elective or History Elective	3
<i>Science and Math</i>		<i>Science and Math</i>	
CHE 121 General Chemistry I w/ Lab	4		
PHY 221 Calculus-Based Physics I	4	MAT 167 Principles of Statistics (3cr) or MAT 168 Elementary Statistics and Probability I (4cr)	3
PHY 222 Calculus-Based Physics II	4	MAT 186 Pre-Calculus	4
MAT 254 Calculus I	4	PHY 121 General Physics I or PHY 110 Introductory Physics	4
MAT 256 Calculus II	4	CHE 121 General Chemistry I w/ Lab or CHE 111 Concepts of Chemistry	4
MAT 268 Calculus III –Multivariable	4		
MAT 285 Differential Equations	3 or 4	Technology Core*	
		CAD Elective	3
<i>Engineering Science</i>		<i>Directed Electives - Designated by advisor</i>	
EGR 111 Introduction to Engineering	3	Technology elective credits (12cr) OR combination of directed electives (12cr)	12
EGR 211 Engineering Statics	3	<i>Specialization Electives</i>	
EGR 212 Engineering Dynamics or EGR 230 C++	3	Technical Electives	15
EGR 214 Thermodynamics (3cr) or EGR 215 Thermodynamics (4cr) or General Chemistry II w/ Lab (4cr) or Directed Discipline Engineering Course	3 or 4	*Technology Core electives (30-31 cr) are to be based on the approved Technology Studies Option as selected by the student. In the event that a specific Option is not chosen, the student, with supervision of an advisor, may select electives that best fit educational and career goals within the parameters of the Technology Core found above. Transcripts will show the major as "Technology Studies" without an Option.	
<i>Major-Specific Electives</i>			
EGR/TECH Electives	6-8		
Total	63-67	Total	66

Approved 2/19/16 by College of Technology Site Coordinator Council