ASSOCIATE OF APPLIED SCIENCE

FUNDAMENTALS OF ENGINEERING

The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.

Engineering Technologies Division   *Engineering Technology Department*

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
MST121	Blueprint Reading	2		
MET123	Material Science	2		
MET225	Manufacturing Processes	3		
AIT139	Introduction to Robotics	2		
DET125	Basic AutoCAD	3		
CET121	Building Materials and Construction Methods	3		
CET225	Sustainable Building Service Systems	3	CET121	
CET237	Interpreting Construction Documents	2		
AIT134	Preventive and Predictive Maintenance	3		
EST230	Electrical Circuits and Devices	4	MTH107 or Proficiency	
IET121	Industrial Management Concepts	2		
EST129	Switchgear, Transformers and Controls	2		
	Total	**31**		

NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	*Take first semester*	
NAV103	Naval Force Design and Concepts	3		
NAV105	Introduction to the Geopolitical Environment	3		
ENG124	College Composition	3		
NAV104	Civilian Military Organization and Policy	3		
NAV101	Naval Ethics and Leadership	3		
PSY124	Industrial/Organizational Psychology	3		
COM122	Interpersonal Communications	3		
MTH107	Industrial Math	3		
PHY101	Principles of Physics (lab)	4	Pre or Co-MTH107	
NAV102	Modern Naval History	3		
	Total	**32**		
	TOTAL CREDIT HOURS	**63**		

^^To promote student success, this course should be taken in the first semester

Revised 11/2023