



ONE-YEAR CERTIFICATE FUEL CELL TECHNOLOGY

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.

2021 Catalog
Effective Summer 2020

4052

Engineering Technologies Division

Engineering Technology Department

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
EST230	Electrical Circuits and Devices [^]	4	(MTH025 or Proficiency) or MTH107	
MET225	Manufacturing Processes	3		
MET229	Introduction to Alternative and Renewable Energy/Fuel Cells	3		
MET230	Analysis/Applications of Fuel Cells	3	MET229	
MET231	Fuel Cell Systems	3	MET230	
MET232	Fuel Cell Project	3	MET231	
Total		19		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar ^{^^}	1	<i>Take first semester</i>	
CSE122	Programming Logic and Problem Solving [^]	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)	
DET125	Basic AutoCAD	3		
MTH135	Precalculus [^] – <i>A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.</i>	5	MTH025 or Proficiency	
Total		12		
TOTAL CREDIT HOURS		31		

[^] Based on SSC placement scores

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

PART-TIME STUDENT ADVISING NOTES

Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

Course Sequence

The semester-by-semester listing below provides the normal scheduling option for students who plan to finish in four semesters.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- or Co-requisite</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
MET229	Introduction to Alternative and Renewable Energy/Fuel Cells	3	
DET125	Basic AutoCAD	<u>3</u>	
		7	
<u>Second Semester</u>			
MTH135	Precalculus^ – <i>A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.</i>	5	MTH025 or Proficiency
MET230	Analysis/Applications of Fuel Cells	<u>3</u>	MET229
		8	
<u>Third Semester</u>			
MET231	Fuel Cell Systems	3	MET230
EST230	Electrical Circuits and Devices^	<u>4</u>	(MTH025 or Proficiency) or MTH107
		7	
<u>Fourth Semester</u>			
MET225	Manufacturing Processes	3	
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)
MET232	Fuel Cell Project	<u>3</u>	MET231
		9	
	TOTAL CREDITS	31	

^ Based on SSC placement scores

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