Stark State COLLEGE MAP MY ACADEMIC PLAN	**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	*Take first semester*	
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)	
DET125	Basic AutoCAD	3		
MTH135	Precalculus^ – *A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.*	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

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FULL-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 seeking a one-year certificate.

First Semester		Credit Hours	Pre- or Co-requisite
SSC101	Student Success Seminar^^	1	*Take first semester*
MTH135	Precalculus^ – *A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.*	5	MTH025 **or** Proficiency
MET229	Introduction to Alternative and Renewable Energy/Fuel Cells	3	
		9	
Second Semester			
MET230	Analysis/Applications of Fuel Cells	3	MET229
EST230	Electrical Circuits and Devices^	4	(MTH025 or Proficiency) **or** MTH107
DET125	Basic AutoCAD	3	
MET225	Manufacturing Processes	3	
		13	
Third Semester			
MET231	Fuel Cell Systems	3	MET230
MET232	Fuel Cell Project	3	MET231
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)
		9	
	TOTAL CREDITS	**31**	

^ Based on SSC placement scores
^^To promote student success, this course should be taken in the first semester