ASSOCIATE OF APPLIED SCIENCE

INDUSTRIAL TECHNOLOGY – INDUSTRIAL MAINTENANCE MAJOR

Stark State COLLEGE

MAP MY ACADEMIC PLAN

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.

4351

Business, Engineering, and Information Technologies Division   *Industrial Technology Department*

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
AIT101	Basic Machines	2		
AIT134	Preventive and Predictive Maintenance	3		
AIT139	Introduction to Robotics	2		
AIT122	Machine Tools	4		
AIT220	Industrial Robotics	4		
EST230	Electrical Circuits and Devices^	4	(MTH025 or Proficiency) **or** MTH107	
EET227	PLCs and Industrial Controls I	3	EET120 **or** EST230	
EET228	PLCs and Industrial Controls II	3	EET227	
MST127	Principles of Welding	6		
MST134	Hydraulic and Pneumatic Systems^	4	MTH022 **or** MTH023 **or** Proficiency	
	Total	**35**		

NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	*Take first semester*	
MTH107	Industrial Math^	3	(MTH021 or Proficiency) **or** Pre-Co-MTH007	
AIT124	Principles of Rigging	2		
MST121	Blueprint Reading	2		
MST125	Basic Pumps	3		
MST221	Mechanical Drive Components	3		
PHY101	Principles of Physics^	4	(MTH024 **or** MTH025 **or** Proficiency) **or** MTH105 **or** MTH107 **and** (IDS102 **or** Proficiency)	
ITD122	Computer Applications for Professionals^	3	ITD100 **or** Proficiency	
ENG124	College Composition^	3	Co-ENG024 **or** Co-ENG011 **or** Proficiency	
ENG221 **or** COM123	Technical Report Writing **or** Small Group Communications^	3 **or** 3	ENG124 **or** IDS102 **or** Proficiency	
PSY124	Industrial/Organizational Psych	3		
	Total	**30**		
	TOTAL CREDIT HOURS	**65**		

^Based on SSC placement scores

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

PART-TIME STUDENT ADVISING NOTES

<u>Academic Advising</u>
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.

<u>Course Sequence</u>
The semester-by-semester listing below provides the normal scheduling option for part-time associate degree students who plan to finish in eight semesters.

<u>First Semester</u>		Credit Hours	Pre- or Co-requisites
SSC101	Student Success Seminar^^	1	*Take first semester*
AIT101	Basic Machines	2	
MTH107	Industrial Math^	3	(MTH021 or Proficiency) **or** Pre-Co-MTH007
MST121	Blueprint Reading	<u>2</u>	
		8	

<u>Second Semester</u>			
EST230	Electrical Circuits and Devices	4	(MTH025 or Proficiency) **or** MTH107
ENG124	College Composition^	3	Co-ENG024 **or** Co-ENG011 **or** Proficiency
ITD122	Computer Applications for Professionals^	<u>3</u>	ITD100 **or** Proficiency
		10	

<u>Third Semester</u>			
MST127	Principles of Welding	6	
AIT134	Preventive and Predictive Maintenance	<u>3</u>	
		9	

<u>Fourth Semester</u>			
EET227	PLCs and Industrial Controls I	3	EET120 **or** EST230
MST134	Hydraulic and Pneumatic Systems^	<u>4</u>	MTH022 **or** MTH023
		7	**or** Proficiency

<u>Fifth Semester</u>			
AIT 139	Introduction to Robotics	2	
PHY101	Principles of Physics^	4	(MTH024 **or** MTH025 **or** Proficiency) **or** MTH105 **or** MTH107 **and** (IDS102 **or** Proficiency)
AIT122	Machine Tools	<u>4</u>	
		10	

<u>Sixth Semester</u>			
AIT124	Principles of Rigging	2	
MST125	Basic Pumps	3	
EET228	PLCs and Industrial Controls II	<u>3</u>	EET227
		8	

<u>Seventh Semester</u>			
AIT220	Industrial Robotics	4	
MST221	Mechanical Drive Components	<u>3</u>	
		7	

<u>Eighth Semester</u>			
PSY124	Industrial/Organizational Psych	3	
ENG221	Technical Report Writing	3	ENG124
or	**or**	**or**	**or**
COM123	Small Group Communication^	<u>3</u>	IDS102 **or** Proficiency
		6	
	TOTAL CREDITS	**65**	

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