

 	<p style="text-align: center;">CAREER ENHANCEMENT CERTIFICATE</p> <p style="text-align: center;">INDUSTRIAL TECHNOLOGY – BASIC ROBOTICS</p> <p style="text-align: center;"><i>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</i></p>	<p>2025-26 Catalog Effective Summer 2025</p> <p style="text-align: center; font-size: 2em;">4553</p>
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Business, Engineering, and Information Technologies Division

Industrial Technology Department

Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
AIT121	Industrial Internet of Things (IIoT)	3		
AIT139	Introduction to Robotics	2		
AIT220	Industrial Robotics	4		
AIT226	Robotic Vision	2	AIT220	
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)	
IET223	Computer Numerical Control	4		
MST221	Mechanical Drive Components	3		
	TOTAL CREDIT HOURS	21		

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.

First Semester

Credit Hours

Pre- and Co-requisites

CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)
AIT220	Industrial Robotics	4	
IET223	Computer Numerical Control	<u>4</u>	
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Second Semester

AIT226	Robotic Vision	2	AIT220
AIT121	Industrial Internet of Things (IIoT)	3	
AIT139	Introduction to Robotics	2	
MST221	Mechanical Drive Components	<u>3</u>	
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	TOTAL CREDITS	21	

^Based on SSC placement scores

The classes in this certificate also apply toward the completion of a Heating, Ventilation, Air Conditioning, and Refrigeration Technology Degree (4500).