

 	<b>CAREER ENHANCEMENT CERTIFICATE</b> <b>INDUSTRIAL TECHNOLOGY – CAD/CAM</b> <b>SPECIALIST (COMPUTER-AIDED</b> <b>DRAFTING/COMPUTER-AIDED MACHINING)</b>	<b>2024-25 Catalog</b> Effective Summer 2024
	<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>	<b>4316</b>

Business, Engineering, and Information Technologies Division

Industrial Technology Department

Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
AIT122	Machine Tools	4		
AIT137	CAD/CAM	4	AIT122 and IET223	
AIT221	Advanced CNC Programming	3	IET223 or ARL121 or ARL122	
IET223	Computer Numerical Control	4		
MST121	Blueprint Reading	2		
<b>TOTAL CREDIT HOURS</b>		<b>17</b>		

### 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.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- and Co-requisites</u>
MST121	Blueprint Reading	2	
AIT122	Machine Tools	4	
IET223	Computer Numerical Control	4	
		<b>10</b>	
<u>Second Semester</u>			
AIT137	CAD/CAM	4	AIT122 and IET223
AIT221	Advanced CNC Programming	3	IET223 or ARL121 or ARL122
		<b>7</b>	
	<b>TOTAL CREDITS</b>	<b>17</b>	

*The classes in this certificate also apply toward the completion of a CNC Technical One-Year Certificate (4308), an Industrial Technology Degree (4300), and an Industrial Technology – Advanced Manufacturing Technology Major (4353)*