

 	CAREER ENHANCEMENT CERTIFICATE INDUSTRIAL TECHNOLOGY – PRECISION MACHINING AND CNC PROGRAMMING <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>	2025-26 Catalog Effective Summer 2025 <div style="font-size: 2em; font-weight: bold;">4319</div>
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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
AIT122	Machine Tools	4		
AIT123	Advanced Machine Tools	4	AIT122	
AIT137	CAD/CAM	4	AIT122 and IET223	
IET223	Computer Numerical Control	4		
AIT221	Advanced CNC Programming	3	IET223 or ARL121 or ARL122	
MST121	Blueprint Reading	2		
	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

AIT122	Machine Tools	4
IET223	Computer Numerical Control	4
MST121	Blueprint Reading	<u>2</u>
		10

Second Semester

AIT137	CAD/CAM	4	AIT122 and IET223
AIT123	Advanced Machine Tools	4	AIT122
AIT221	Advanced CNC Programming	<u>3</u>	IET223 or ARL121 or ARL122
		11	
	TOTAL CREDITS	21	

The classes in this certificate also apply toward the completion of a CNC Technical One-Year Certificate (4308) and an Industrial Technology Degree (4300).