



**ENGINEERING TECHNOLOGY  
ONE-YEAR CERTIFICATE PROGRAM**

**APPLIED INDUSTRIAL TECHNOLOGY  
CNC ONE-YEAR TECHNICAL CERTIFICATE**

<b>TECHNICAL Course Number</b>	<b>Course Title</b>	<b>Credits</b>	<b>Completed Sem./Year</b>
AIT122	Machine Tools	3	
AIT123	Advanced Machine Tools	4	
IET223	CNC Programming	4	
AIT221	Advanced CNC Programming	3	
DET121 or MST121	Engineering Drawing or Blueprint Reading	3(2)	
DET125	Basic AutoCAD	3	
IET270	Dimensional Metrology & Inspection I	3	
<b>TOTAL</b>		<b>23(22)</b>	

  

<b>BASIC/RELATED Course Number</b>	<b>Course Title</b>	<b>Credits</b>	<b>Completed Sem./Year</b>
ECA122	Computer Applications for Technical Professionals	3	
MET123	Material Science	2	
MTH125	College Algebra	4	
MTH128	Trigonometry	1	
<b>TOTAL</b>		<b>10</b>	

  

<b>TOTAL CREDIT HOURS</b>		<b>33(32)</b>	
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**CNC ONE-YEAR TECHNICAL CERTIFICATE**

<u>Semester I</u>		<u>Credit Hours</u>	<u>Prerequisite</u>
MTH125	College Algebra	4	MTH101 or MTH103 or Test
MTH128	Trigonometry	1	Co-MTH125
AIT122	Machine Tools	3	-
IET270	Dimensional Metrology & Inspection I	3	MTH101 or MTH103 or Test
DET121 or MST121	Engineering Drawing or Blueprint Reading	3(2)	-
		14(13)	
<u>Semester II</u>			
DET125	Basic AutoCAD	3	-
AIT123	Advanced Machine Tools	4	AIT122
IET223	CNC Programming	4	-
ECA122	Computer Applications for Technical Professionals	3	-
		14	
<u>Summer</u>			
AIT221	Advanced CNC Programming	3	IET123
MET123	Material Science	2	-
		5	
<b>TOTAL CREDITS</b>		<b>33(32)</b>	