

2012-2013 Academic Year

Plan of Study for the Associate of Applied Science Degree in

Advanced Manufacturing Technology**Machining Option**

Datatel Program Code	AMTMA.AAS
COTC Major Number	003062
CIP Code	15.0613

A grade of C (2.00) or better is required for all Advanced Manufacturing Technology courses listed as prerequisites for advanced courses.

The student who successfully completes the courses listed below on this Plan of Study will earn an Associate of Applied Science Degree in Advanced Manufacturing Technology, Machining Option.

KEY:

* Indicates this course has a prerequisite; please see the Course Description Section on the COTC Web Page

NT - Indicates this course fulfills a Non-Technical Course Requirement on this Plan of Study

NT Elec - Indicates Elective Choice in the Non-Technical course requirement category

T - Indicates this course fulfills a Technical Course Requirement on this Plan of Study

T Elec - Indicates Elective Choice in the Technical course requirement category

TAG, C-TAG, OTM - Designation in this column indicates this course has been approved by the Ohio Board of Regents as a Transfer Assurance Guide

(TAG), Career Technical Assurance Guide (C-TAG), or Ohio Transfer Module (OTM) course. Please follow this link on the COTC web site for more

information: <http://www.cotc.edu/current-students/tags-transfer-module/Pages/index.aspx>

Course Name	Course Title	Course Credit Hours	Weekly Contact Hours	Tech, Non-Tech or Elective	Semester(s) Course Offered	SEM Course Approved As A TAG, C-TAG or OTM	Equivalent Quarter Course	Equivalent Quarter Cr Hrs
SEMESTER 1								
AMT-100	Principles of Machining	2.00	3.00	T	AU	-----	AMT-3437	3.00
* AMT-101	Metrology	2.00	2.00	T	AU	-----	AMT-3434 & AMT-3435	2.00 & 2.00
* AMT-122	Machining Turning	4.00	8.00	T	AU	-----	AMT-3438 & AMT-3439	3.00 & 3.00
* ENGL-110	Composition I	3.00	3.00	NT	SM,AU,SP	OTM	COM-1535	4.00
IDS-100	Campus Connections	1.00	2.00	NT	SM,AU,SP	-----	None	-----
TOTAL CREDIT & CONTACT HOURS		12.00	18.00					
SEMESTER 2								
AMT-102	Principles of Manufacturing	3.00	5.00	T	SP	-----	AMT-3413 & AMT-3433	2.00 & 3.00
* AMT-123	Machining Milling	4.00	8.00	T	SP	-----	AMT-3468 & AMT-3469	3.00 & 3.00
ETA-107	OSHA 30	2.00	2.00	NT	SP	-----	ETA-3071	3.00
* PHYS-100	General Physics	4.00	4.00	NT	SM,AU,SP	-----	PHY-1721	5.00
TOTAL CREDIT & CONTACT HOURS		13.00	19.00					
SEMESTER 3								
* PHIL-100	Critical Thinking	3.00	3.00	NT	SM,AU,SP	OTM	BHS-1006	3.00
SPCH-100	Fundamentals of Communication	3.00	3.00	NT	SM,AU,SP	TAG	COM-1534	4.00
	Technical Elective - List A	1.00	12.00	T ELEC	See Choices Listed Below			
TOTAL CREDIT & CONTACT HOURS		7.00	18.00					
SEMESTER 4								
AMT-201	Materials in Manufacturing	2.00	3.00	T	AU	-----	AMT-3447	3.00
AMT-202	CAD for Machining	3.00	7.00	T	AU	-----	AMT-3434 & AMT-3436	2.00 & 4.00
* AMT-222	CNC Turning	4.00	8.00	T	AU	-----	AMT-3445 & AMT-3446	3.00 & 3.00
* MATH-110	Trigonometry	3.00	3.00	NT	SM,AU,SP	OTM	MTH-1226	5.00
TOTAL CREDIT & CONTACT HOURS		12.00	21.00					

The College Reserves the Right to Change Curricula Without Notice.

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SEMESTER 5								
* AMT-203	Statistical Process Control	2.00	2.00	T	SP	----	AMT-3415	3.00
* AMT-204	CNC Graphic Programming	3.00	5.00	T	SP	----	AMT-3448	4.00
* AMT-223	CNC Milling	4.00	8.00	T	SP	----	AMT-3475 & AMT-3476	3.00 & 3.00
* ENGL-205	Business & Professional Communication	3.00	3.00	NT	SM,AU,SP	TAG	None	----
* SOC-110	Introduction to Sociology	3.00	3.00	NT	SM,AU,SP	TAG,OTM	BHS-1382	3.00
TOTAL CREDIT & CONTACT HOURS		15.00	21.00					
SEMESTER 6								
BUS-110	Introduction to Management	3.00	3.00	NT	SM,AU,SP	----	BMT-2021	4.00 & 4.00
BUS-130	Team Building	3.00	3.00	NT	SM,AU,SP	----	BMT-2071	4.00
	Technical Elective - List B	1.00	12.00	T ELEC	See Choices Listed Below			
TOTAL CREDIT & CONTACT HOURS		7.00	18.00					

Total Semester Credit Hours Required for Completion of Degree	66.00
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<i>Non-Technical Required Semester Credit Hours</i>	31.00
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<i>Technical Required Semester Credit Hours</i>	35.00
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Technical Elective - List A								
Total of 1.00 Semester Credit Hour Required to Complete this Degree								
* AMT-285	Practicum Machining	1.00	7.00	T Elec	SM,AU,SP	----	AMT-3494	2.00
* AMT-291	Field Experience Machining	1.00	12.00	T Elec	SM,AU,SP	----	AMT-3492	2.00
* AMT-293	Cooperative Experience Machining	1.00	10.00	T Elec	SM,AU,SP	----	AMT-3490	2.00
Technical Elective - List B								
Total of 1.00 Semester Credit Hour Required to Complete this Degree								
* AMT-286	Practicum CNC	1.00	7.00	T Elec	SM,AU,SP	----	AMT-3495	2.00
* AMT-292	Field Experience CNC	1.00	12.00	T Elec	SM,AU,SP	----	AMT-3493	2.00
* AMT-294	Cooperative Experience CNC	1.00	10.00	T Elec	SM,AU,SP	----	AMT-3491	2.00
* AMT-197-199	Special Topics in Advanced Manufacturing	0.50-3.00	0.50-3.00	T Elec	SP	----	None	----
* AMT-297-299	Special Topics in Advanced Manufacturing	0.50-3.00	0.50-3.00	T Elec	SP	----	None	----