

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

In Autumn 2012, Central Ohio Technical College will convert from the Quarter system (4 quarters per academic year) to the Semester system (2 Semesters and 1 Summer Session per academic year). Students entering COTC in Summer 2011, Autumn 2011, Winter 2012, Spring 2012, or Summer 2012 will begin their program in Quarters.

COTC makes the following three guarantees to all students who will transition from the quarter system into the semester system:

- 1) No loss of academic progress;
- 2) No delay in time to degree completion/graduation; and
- 3) No increase in total tuition and fees expended for the degree system to the program.

If transitioning from the Quarter to the Semester system, please visit the COTC "Think Semesters" web page

(<http://www.cotc.edu/ThinkSemesters/Pages/default.aspx>)

regularly for updates and for important additional information.

Students should meet with their Academic Advisor to map out individual paths to their degree.

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

KEY: * Indicates this course has a prerequisite; please see the Course Description Section on the COTC Web Page
 ** Indicates there will be no equivalent for this course in the Semester system; please see Academic Advisor
 NT - Indicates this course fulfills a Non-Technical Course Requirement in 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 in this Plan of Study
 T Elec - Indicates Elective Choice in the Technical course requirement category

YEAR 1 2011-2012 (Quarter System)

Course Name	Course Title	Course Credit Hours	Tech, Non-tech or Elective	Quarter(s) Course Offered	Equivalent Semester Course	Equivalent Semester Cr Hrs
QUARTER 1						
AMT-3434	Machining Calculations	2.00	T	AU	Part of AMT-101 & Part of AMT-202	2.00 & 3.00
AMT-3437	Principles of Machining	3.00	T	AU	AMT-100	2.00
AMT-3438	Machining - Turning I	3.00	T	AU	Part of AMT-122	4.00
CMP-1601	Principles of Computing	1.00	NT	SM,AU,WI,SP	None**	-----
ETA-3071	OSHA 30	3.00	NT	AU	ETA-107	2.00
Total Credit Hours		12.00				
QUARTER 2						
AMT-3413	Production Planning and Control	2.00	T	WI	Part of AMT-102	3.00
AMT-3435	Metrology	2.00	T	WI	Part of AMT-101	2.00
AMT-3439	Machining - Turning II	3.00	T	WI	Part of AMT-122	4.00
AMT-3468	Machining - Milling I	3.00	T	WI	Part of AMT-123	4.00
PHY-1721	General Physics	5.00	NT	WI	PHYS-100	4.00
Total Credit Hours		15.00				
QUARTER 3						
AMT-3433	Principles of Manufacturing	3.00	T	SP	Part of AMT-102	3.00
AMT-3469	Machining - Milling II	3.00	T	SP	Part of AMT-123	4.00
BHS-1030	Reasoning Skills	4.00	NT	SP	None**	-----
COM-1535	Composition I	4.00	NT	SM,AU,WI,SP	ENGL-110	3.00
Total Credit Hours		14.00				
Quarter 4						
COM-1536	Composition II	4.00	NT	SU,AU,WI,SP	ENGL-111	3.00
	Technical Elective - List A	2.00	T		See Choices Below	
Total Credit Hours		6.00				
Technical Electives List A						
Total of 2 QUARTER Credit Hours Chosen from the Courses Listed Below Required to Complete this Degree						
AMT-3490	Cooperative Education - Machining	2.00	T	SM,AU,SP	AMT-293	1.00
AMT-3492	Field Experience - Machining	2.00	T	SM,AU,SP	AMT-291	1.00
AMT-3494	Practicum - Machining	2.00	T	SM,AU,SP	AMT-285	1.00

The College Reserves the Right to Change Curricula Without Notice.

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YEAR 2 2012-2013 (Semester System)

Course Name	Course Title	Course Credit Hours	Tech, Non-tech or Elective	Semester(s) Course Offered	Equivalent Quarter Course	Equivalent Quarter Cr Hrs
SEMESTER 1						
AMT-201	Materials of Manufacturing	2.00	T	AU	AMT-3447	3.00
AMT-202	CAD for Machining	3.00	T	AU	PART OF AMT-3434 & AMT-3436	2.00 & 4.00
AMT-222	CNC-Turning	4.00	T	AU	PART OF AMT3445- & AMT-3446	3.00 & 3.00
MATH-110	Trigonometry	3.00	NT	SM,AU,SP	MTH-1226	5.00
SPCH-210	Small Group Communications	3.00	NT	AU	COM-1523	3.00
Total Credit Hours		15.00				
SEMESTER 2						
AMT-203	Statistical Process Control	2.00	T	SP	AMT-3415	3.00
AMT-204	CNC Graphic Programming	3.00	T	SP	AMT-3448	4.00
AMT-223	CNC-Milling	4.00	T	SP	PART OF AMT-3475 & AMT-3476	3.00 & 3.00
ENGL-205	Business and Professional Communication	3.00	NT	SP	NEW SEMESTER COURSE	-----
SOC-110	Cultural Diversity	3.00	NT	SP	BHS-1379	3.00
Total Credit Hours		15.00				
SEMESTER 3 (Summer)						
BUS-110	Introduction to Management	3.00	NT	SM	PART OF BMT-2021 & BMT-2070	4.00 & 4.00
BUS-130	Team Building	3.00	NT	SM	BMT-2071	4.00
	Technical Elective - List B	1.00	T Elec		See Choices Below	
Total Credit Hours		7.00				

Technical Electives List B**Total of 1 SEMESTER Credit Hour Chosen from Courses Listed Below Required to Complete this Degree**

AMT-286	Practicum - CNC	1.00	Tech	SM,AU,SP	AMT-3495	2.00
AMT-291	Field Experience - CNC Machining	1.00	Tech	SM,AU,SP	AMT-3492	2.00
AMT-294	Cooperative Experience - CNC	1.00	Tech	SM,AU,SP	AMT-3491	2.00
AMT-297	Special Topics	.5-3.00	Tech	SM,AU,SP	NEW SEMESTER COURSE	-----