

Datatel Program Code	FST.AAS
COTC Major Number	006400
CIP Code	43.0203

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.

Ohio Firefighter I and Firefighter II must be taken before technology courses, but may be taken concurrently with general education courses (courses marked Non-Technical below).

PLEASE NOTE: Courses Chosen to fulfill Elective Credit may only be used *once* to fulfill requirements to complete this degree. For example, if BMT-2021 Principles of Management is taken to fulfill the Non-Technical Elective-General requirement listed in Quarter 1 of the First Year of this Plan of Study, then the Semester course BUS-110 Introduction to Management *cannot* be taken to fulfill the Non-Technical Elective-Business requirement listed in Semester 1 of the Second Year of the Plan of Study. Please see Academic Advisor for further clarification.

- 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						
CMP-1601	Principles of Computing	1.00	NT	SM,AU,WI,SP	None**	----
FST-5720	Principles of Fire Science Technology	4.00	T	AU	None**	----
*FST-5725	Firefighting Strategies	5.00	T	AU	FIRESCI-135	3.00
	Non-Technical Elective - General	3.00	NT Elec		See Choices Below	
	Non-Technical Elective - General	3.00	NT Elec		See Choices Below	
	Total Credit Hours	16.00				
QUARTER 2						
*COM-1535	Composition I	4.00	NT	SM,AU,WI,SP	ENGL-110	3.00
*FST-5701	Principles of Fire Protection Systems	4.00	T	WI	FIRESCI-215	2.00
*FST-5709	Hazardous Materials I	3.00	T	WI	FIRESCI-155	3.00
*MTH-1215	College Algebra	5.00	NT	SM,AU,WI,SP	MATH-140	3.00
	Total Credit Hours	16.00				
Quarter 3						
BHS-1385	Organizational Psychology	3.00	NT	SM,AU,WI,SP	PSYCH-230	3.00
*CHM-1710	General Organic Chemistry	6.00	NT	SM,AU,WI,SP	CHEM-101	4.00
*COM-1534	Effective Communications	4.00	NT	SM,AU,WI,SP	SPCH-100	3.00
*COM-1536	Composition II	4.00	NT	SM,AU,WI,SP	ENGL-111	3.00
	Total Credit Hours	17.00				
Non-Technical Electives -- General						
Total of 6 QUARTER Credit Hours Chosen from the Courses Listed Below Required to Complete this Degree						
*BIO-1772	Human Anatomy and Physiology I	6.00	NT Elec	SM,AU,WI,SP	BIO-130	4.00
*BIO-1773	Human Anatomy and Physiology II	6.00	NT Elec	SM,AU,WI,SP	BIO-131	4.00
BMS-2037	Spreadsheet Applications I	3.00	NT Elec	SM,AU,WI,SP	Part of BUS-155	3.00
BMS-2067	Database Applications I	3.00	NT Elec	SM,AU,WI,SP	None**	----
BMT-2021	Principles of Management	4.00	NT Elec	SM,AU,WI,SP	Part of BUS-110	3.00
BMT-2025	Microeconomics	4.00	NT Elec	SM,AU,WI,SP	ECON-105	3.00
*COM-1504	Public Speaking	3.00	NT Elec	SM,AU,WI,SP	SPCH-205	3.00
*COM-1525	Technical Writing	3.00	NT Elec	SM,AU,WI,SP	None**	----
*MTH-1218	Statistics	5.00	NT Elec	SM,AU,WI,SP	MATH-130	3.00
*MTH-1226	Trigonometry	5.00	NT Elec	SM,AU,WI,SP	MATH-110	3.00
*PHY-1721	General Physics	5.00	NT Elec	SM,AU,WI,SP	PHYS-100	4.00

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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						
FIRESCI-120	Fire Prevention	3.00	T	AU	FST-5760	3.00
FIRESCI-125	Building Construction for Fire Protection	3.00	T	AU	FST-5706	4.00
FIRESCI-230	Fire Behavior and Combustion	2.00	T	AU	FST-5703	4.00
SOC-110	Cultural Diversity	3.00	NT	SM,AU,SP	BHS-1379	3.00
	Technical Elective	3.00	T Elec		See Choices Below	
	Non-Technical Elective - Business	3.00	NT Elec		See Choices Below	
	Total Credit Hours	17.00				
SEMESTER 2						
FORSCI-103	Introduction to Fire Origin and Causes	3.00	T	SP	FOR-5550	3.00
FIRESCI-270	Current Issues in the Fire Service	2.00	T	SP	FST-5716	3.00
	Non-Technical Elective - Arts and Humanities	3.00	NT Elec		See Choices Below	
	Non-Technical Elective - General	3.00	NT Elec		See Choices Below	
	Technical Elective	3.00	T Elec		See Choices Below	
	Technical Elective	3.00	T Elec		See Choices Below	
	Total Credit Hours	17.00				

Non-Technical Electives - Arts and Sciences						
Total of 3 SEMESTER Credit Hours Chosen from the Courses Listed Below Required to Complete this Degree						
PHIL-100	Critical Thinking	3.00	NT Elec	SM,AU,SP	BHS-1006	3.00
PHIL-200	Introduction to Ethics	3.00	NT Elec	SM,AU,SP	BHS-1340	3.00

Non-Technical Electives - Business						
Total of 3 SEMESTER Credit Hours Chosen from the Courses Listed Below Required to Complete this Degree						
BUS-110	Introduction to Management	3.00	NT Elec	SM,AU,SP	BMT-2021 & BMT-2070	4.00 & 4.00
BUS-130	Team Building	3.00	NT Elec	SM,AU,SP	BMT-2071	4.00
BUS-135	Introduction to Human Resource Management	3.00	NT Elec	SM,AU,SP	BMT-2876	4.00
BUS-155	Spreadsheet Applications	3.00	NT Elec	SM,AU,SP	BMS-2037 & BMS-2038	3.00 & 3.00
BUS-165	PowerPoint	2.00	NT Elec	SM,AU,SP	BMS-2205	4.00
BUS-220	Human Resource Law, Policies and Procedures	3.00	NT Elec	SM,AU,SP	BMT-2856 & BMT-2871	3.00 & 3.00
BUS-225	Business Interviewing and Counseling	2.00	NT Elec	SM,AU,SP	BMT-2860	3.00
BUS-235	Labor Relations	2.00	NT Elec	SM,WI,SP	BMT-2850	4.00
ECON-105	Principles of Microeconomics	3.00	NT Elec	SM,WI,SP	BMT-2025	4.00

Non-Technical Electives --General						
Total of 3 QUARTER Credit Hours Chosen from the Courses Listed Below Required to Complete this Degree						
BIO-130	Anatomy & Physiology I	4.00	NT Elec	SM,WI,SP	BIO-1772	6.00
BIO-131	Anatomy & Physiology II	4.00	NT Elec	SM,WI,SP	BIO-1773	6.00
BUS-110	Introduction to Management	3.00	NT Elec	SM,WI,SP	BMT-2021 & BMT-2070	4.00 & 4.00
BUS-150	Document Applications	3.00	NT Elec	SM,WI,SP	BMS-2028 & BMS-2029	3.00 & 4.00
ECON-105	Principles of Microeconomics	3.00	NT Elec	SM,WI,SP	BMT-2025	4.00
ENGL-205	Business and Professional Communication	3.00	NT Elec	SM,WI,SP	New Semester Course	----
MATH-110	Trigonometry	3.00	NT Elec	SM,WI,SP	MTH-1226	5.00
MATH-130	Introduction to Statistics	3.00	NT Elec	SM,WI,SP	MTH-1218	5.00
PHYS-100	General Physics	4.00	NT Elec	SM,WI,SP	PHY-1721	5.00
SPCH-205	Public Speaking	3.00	NT Elec	SM,WI,SP	COM-1504	3.00
SPCH-210	Small Group Communications	3.00	NT Elec	SM,WI,SP	COM-1523	3.00

Technical Electives						
Total of 9 SEMESTER Credit Hours Chosen from the Courses Listed Below Required to Complete this Degree						
FIRESCI-101	Firefighter Health and Safety Program	2.50	T Elec		FST-5772	3.50
FIRESCI-102	Firefighter I	5.00	T Elec		FST-5770	9.00
FIRESCI-103	Firefighter II	6.00	T Elec		FST-5771	9.00
FIRESCI-104	Driver Operator Pumper and Emergency Vehicle	2.00	T Elec		FST-5773	4.00
FIRESCI-132	Fire Safety Inspector	3.00	T Elec		New Semester Course	----
FIRESCI-134	Fire Safety Instructor	3.00	T Elec		New Semester Course	----
FIRESCI-150	Fire Protection Hydraulics and Water Supply	3.00	T Elec		FST-5750	4.00
FIRESCI-155	Hazardous Materials	3.00	T Elec		FST-5709	3.00
EMS-200	Paramedic I	8.00	T Elec		EMS-4391 & EMS-4392	9.00 & 9.00
EMS-225	Paramedic II	8.00	T Elec		EMS-4392 & EMS-4393	9.00 & 9.00
EMS-250	Paramedic III	8.00	T Elec		EMS-4393 & EMS-4394	9.00 & 9.00
EMS-280	Paramedic I Clinical Lab	1.50	T Elec		New Semester Course	----
EMS-281	Paramedic II Clinical Lab	1.50	T Elec		New Semester Course	----
EMS-282	Paramedic III Clinical Lab	1.50	T Elec		New Semester Course	----
EMS-290	Paramedic I Directed Practice	1.50	T Elec		New Semester Course	----
EMS-291	Paramedic II Directed Practice	1.50	T Elec		New Semester Course	----
EMS-292	Paramedic III Directed Practice	1.50	T Elec		New Semester Course	----
BIO-110	Medical Terminology	2.00	T Elec	SM,AU,SP	BIO-1760	2.00
HUMSVS-110	Chemical Dependency I	3.00	T Elec		HUM-5300	3.00