

**Plan of Study for the Associate of Applied Science Degree in
Electrical Trades Technology**

Datatel Program Code	ETT.ATS
COTC Major Number	003132
CIP Code	15.0303

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 Electrical Trades 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 fulfils 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 fulfils 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
YEAR 1 - 2011-2012 (QUARTER SYSTEM)						
CMP-1601	Principles of Computing	1.00	NT	SM,AU,WI,SP	None**	----
ETA-3060	Overview of the Electrical Trades Industry	3.00	NT	AU	ETA-101	2.00
ETA-3061	Blueprint Reading & Conduit Fabrication I	2.00	T	WI	Part of ETA-104	1.00
ETA-3062	National Electrical Code I	1.00	T	WI	ETA-102 & ETA-104	1.00 & 1.00
ETA-3081	DC Theory for Electricians	4.00	T	SP	ETA-121	3.00
Total Credit Hours		11.00				

Year 2 - SEMESTER SYSTEM

ENGL-110	Composition I	3.00	NT	SM,AU,SP	COM-1535	4.00
ETA-103	National Electrical Code II	4.00	T	AU	ETA-3063	6.00
ETA-104	Blueprint Reading & Conduit Fabrication	1.00	T	SP	ETA-3061 & ETA-3062	1.00 & 2.00
ETA-105	Test Instrumentation & Safety	2.00	T	SP	ETA-3065	3.00
ETA-122	AC Theory for Electricians	2.00	T	AU	ETA-3082	3.00
SOC-101	Introduction to Sociology	3.00	NT	SM,AU,SP	BHS-1382	3.00
Total Credit Hours		15.00				

Year 3 - SEMESTER SYSTEM

ENGL-111	Composition II	3.00	NT	SM,AU,SP	COM-1536	4.00
ETA-106	Electrical Grounding	4.00	T	AU	ETA-3066	6.00
ETA-123	Electronics for Electricians	3.00	T	AU	ETA-3084	4.00
ETA-201	Industrial Blueprints & Advanced Transformers	2.00	T	SP	ETA-3067	3.00
ETA-202	Advanced Codes & Practices	2.00	T	SP	ETA-3068	3.00
PHIL-200	Introduction to Ethics	3.00	NT	SM,AU,SP	BHS-1340	3.00
Total Credit Hours		17.00				

Year 4 - SEMESTER SYSTEM

ETA 124	Digital Electronics for Electricians	3.00	T	AU,SP	ETA-3085	4.00
ETA-107	OSHA 30	2.00	NT	AU,SP	ETA-3071	3.00
ETA-203	Motors & Motor Control	4.00	T	AU	ETA-3069	5.00
ETA-204	Lightrning Protection & HVAC	1.00	T	SP	ETA-3070	1.00
ETA-205	Program Logic Controllors for Electricians	1.50	T	SP	ETA-3072	2.00
SPCH-100	Fundamentals of Communication	3.00	NT	SM,AU,SP	COM-1534	4.00
Total Credit Hours		14.50				

Year 5 - SEMESTER SYSTEM

ETA-210	Fire Alarm Systems	1.50	T	SP	ETA-3073	2.00
ETA-211	Automated Networks & Special Code Applications	2.00	T	AU	ETA-3074	3.00
ETA-212	Advanced Test Instruments	3.00	T	AU	ETA-3075	4.00

Central Ohio Technical College

2011-2012 Academic Year

Plan of Study for the Associate of Applied Science Degree in
Electrical Trades Technology

Datatel Program Code	ETT.ATS
COTC Major Number	003132
CIP Code	15.0303

ETA-213	Distributed Generation	1.00	T	AU	ETA-3076	2.00
ETA-214	High Voltage & Insulation Testing	2.00	T	SP	ETA-3077	3.00
ETA-215	Telephone & Security Systems	1.50	T	SP	ETA-3078	2.00
ETA-220	First Aid and CPR for Electricians	0.50	NT	SM	NEW SEMESTER COURSE	-----
Total Credit Hours		11.50				

Proficiency Credit						
Proficiency Credit will be awarded in Year 4 for the following two COTC Courses:						
MATH-115	Technical Mathematics	5.00	NT	Year 4	MTH-1229	5.00
PHYS-115	Technical Physics	4.00	NT	Year 4	PHY-1729	5.00