

2014-2015 Academic Year - YEAR 1, 2 & 3 STUDENTS

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

A grade of C (2.00) or better is required for all Technical Category 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 Electrical Trades Technology.

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
YEAR 1								
CIT-102	Computer Applications for Technology Specialists	3.00	5.00	NT	SM	----	CMP-2502	2.00
* ETA-101	Overview of the Electrical Trade	2.00	4.00	NT	AU	----	ETA-3060	3.00
* ETA-102	National Electrical Code I	1.00	1.00	T	SP	----	ETA-3062	2.00
* ETA-110	Electrical Math and Conduit Fabrication	1.00	1.00	T	SP	----	ETA-104	1.00
* ETA-121	DC Theory for Electricians	3.00	7.00	T	SP	----	ETA-3081	4.00
TOTAL CREDIT & CONTACT HOURS		10.00	18.00					
YEAR 2								
* ENGL-112	Composition I	3.00	4.00	NT	SM	OTM	COM-1535	4.00
* ETA-105	Test Instrumentation & Safety	2.00	4.00	T	SP	----	ETA-3065	3.00
* ETA-108	National Electrical Code II	2.00	2.00	T	AU	----	ETA-3063	6.00
* ETA-122	AC Theory for Electricians	2.00	4.00	T	SP	----	ETA-3082	3.00
SOC-100	Introduction to Sociology	3.00	3.00	NT	SM	TAG,OTM	BHS-1382	3.00
TOTAL CREDIT & CONTACT HOURS		12.00	17.00					
YEAR 3								
* ENGL-113	Composition II	3.00	4.00	NT	SM	OTM	COM-1536	4.00
* ETA-106	Electrical Grounding	4.00	4.00	T	SP	----	ETA-3066	6.00
* ETA-125	Electronics for Electricians	2.00	4.00	T	AU	----	ETA-3084	4.00
* ETA-201	Industrial Blueprints & Advanced Transformers	2.00	2.00	T	SP	----	ETA-3067	3.00
ETA-202	Advanced Codes and Practices	2.00	2.00	T	SP	----	ETA-3068	3.00
* PHIL-200	Introduction to Ethics	3.00	3.00	NT	SM	TAG,OTM	BHS-1340	3.00
TOTAL CREDIT & CONTACT HOURS		16.00	19.00					
YEAR 4								
ETA-107	OSHA 30	2.00	2.00	NT	AU	----	ETA-3071	3.00
* ETA 124	Digital Electronics for Electricians	3.00	5.00	T	SP	----	ETA-3085	4.00
* ETA-203	Motors & Motor Control	4.00	6.00	T	AU	----	ETA-3069	5.00
* ETA-204	Lightning Protection & HVAC	1.00	1.00	T	SP	----	ETA-3070	1.00
* ETA-205	Program Logic Controllers for Electricians	1.50	2.50	T	SP	----	ETA-3072	2.00
SPCH-100	Fundamentals of Communication	3.00	3.00	NT	SM	TAG	COM-1534	4.00
TOTAL CREDIT & CONTACT HOURS		14.50	19.50					

The College Reserves the Right to Change Curricula Without Notice.

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Course Name	Course Title	Course	Weekly	Tech,	Semester(s)	SEM Course	Equivalent	Equivalent
		Credit Hours	Contact Hours	Non-Tech or Elective	Course Offered	Approved As A TAG, C-TAG or OTM	Quarter Course	Quarter Cr Hrs
YEAR 5								
* ETA-210	Fire Alarm Systems	1.50	2.50	T	AU	-----	ETA-3073	2.00
* ETA-211	Automated Networks and Special Code Application	2.00	2.00	T	AU	-----	ETA-3074	3.00
* ETA-212	Advanced Test Instruments	3.00	3.00	T	SP	-----	ETA-3075	4.00
* ETA-213	Distributed Generation	1.00	1.00	T	SP	-----	ETA-3076	2.00
* ETA-214	High Voltage and Insulation Testing	2.00	2.00	T	AU	-----	ETA-3077	3.00
* ETA-215	Telephone and Security Systems	1.50	3.50	T	SM	-----	ETA-3078	2.00
* ETA-220	CPR & First Aid for the Electrical Industry	0.50	1.50	NT	SM	-----	None	-----
* PHIL-100	Critical Thinking	3.00	3.00	NT	SM	OTM	BHS-1006	3.00
SOC-110	Cultural Diversity	3.00	3.00	NT	SM	TAG,OTM	BHS-1379	3.00
TOTAL CREDIT & CONTACT HOURS		17.50	21.50					
PROFICIENCY CREDIT								
Proficiency Credit will be awarded for the below listed courses after the student has successfully completed YEAR 4 of this Plan of Study								
* MATH-115	Technical Mathematics	3.00	3.00	NT ELEC	-----	-----	MTH-1229	5.00
* PHYS-115	Technical Physics	4.00	5.00	NT ELEC	-----	-----	PHY-1729	5.00
TOTAL CREDIT & CONTACT HOURS		7.00	8.00					

Total Semester Credit Hours Required for Completion of Degree 70.00

Non-Technical Required Semester Credit Hours 28.50

Technical Required Semester Credit Hours 41.50