

2014-2015 Academic Year - YEAR 4 & 5 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-104	Blueprint Reading & Conduit Fabrications	1.00	1.00	T	AU	-----	ETA-3061 & ETA-3062	1.00 & 2.00
* ETA-102	National Electrical Code I	1.00	1.00	T	SP	-----	ETA-3062	2.00
* 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
* ETA-B3064	Blueprint Reading & Conduit Fabrication II	1.00	1.00	T	AU	----	ETA-3064	1.00
SOC-100	Introduction to Sociology	3.00	3.00	NT	SM	TAG,OTM	BHS-1382	3.00
TOTAL CREDIT & CONTACT HOURS		13.00	18.00					
YEAR 3								
* ENGL-113	Composition II	3.00	4.00	NT	SM	OTM	COM-1536	4.00
* ETA-B3066	Electrical Grounding	4.00	4.00	T	AU	-----	ETA-3066	6.00
* ETA-B3086	AC Theory – Level II	2.00	3.00	T	SP	-----	ETA-B3084	3.00
* ETA-B3067	Industrial Blueprints and Advanced Transformers	2.00	2.00	T	SP	-----	ETA-3067	3.00
* ETA-B3068	Advanced Codes & 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	18.00					
YEAR 4								
* ETA-B3069	Motors and Motor Control I	3.00	4.00	T	AU	-----	ETA-3085	4.00
* ETA-B3070	Lightning Protection and HVAC	1.00	1.00	T	SP	-----	ETA-3069	5.00
* ETA-B3071	OSHA 30	2.00	2.00	NT	AU	-----	ETA-3070	1.00
* ETA-B3072	Program Logic Controllers for Electricians	2.00	3.00	T	SP	-----	ETA-3072	2.00
* ETA-B3085	Digital Electronics for Electricians	2.00	3.00	T	SP	-----	ETA-3085	
SPCH-100	Fundamentals of Communication	3.00	3.00	NT	SM	TAG	COM-1534	4.00
TOTAL CREDIT & CONTACT HOURS		13.00	16.00					

The College Reserves the Right to Change Curricula Without Notice.

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YEAR 5								
* ETA-B3073	Fire Alarm Systems	2.00	3.00	T	AU	-----	ETA-3073	2.00
* ETA-B3074	Automated Networks and Special Code Applications	2.00	2.00	T	AU	-----	ETA-3074	3.00
* ETA-B3075	Advanced Test Instruments	3.00	3.00	T	SP	-----	ETA-3075	4.00
* ETA-B3076	Distributed Generation	1.00	1.00	T	SP	-----	ETA-3076	2.00
* ETA-B3077	High Voltage and Insulation Testing	2.00	2.00	T	AU	-----	ETA-3077	3.00
* ETA-B3078	Telephone and Security Systems	2.00	3.00	T	SP	-----	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		18.50	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 70.50

Non-Technical Required Semester Credit Hours 28.50

Technical Required Semester Credit Hours 42.00