Technical Studies

Electronics Technician

Associate in Applied Science

The purpose of this curriculum is to better prepare individuals for the rapidly changing environment of industry and manufacturing. Very broad state guidelines for the course of studies have allowed local industry's requirements and future needs to be better incorporated into the curriculum. The Technical Studies in Electronics Technician has been constructed in direct response to regional requirements allowing for a tailored educational program to be developed in a very short time frame. This format has also incorporated a work-based learning component that allows the College to provide college credit for on-the-job training such as apprenticeships, co-ops, and in-house training programs when appropriate. Graduates in a Technical Studies program may find employment in a wide variety of technology areas.

Technical Studies curriculums leading to Associate in Applied Science degrees encompass a wide area of emphasis including:

- Building Trades
- Computer Network Specialist
- Electrical Technology
- Electrical and Control Technology
- Electronics Technician
- HVAC
- Industrial Maintenance I
- Industrial Maintenance II
- Machine Technology
- Nuclear Support Technology
- Precision Instrument Technology
- Welding

Central Virginia Community College

call **(434)-832-7800**

New core curriculum for each area includes mathematics, team-building, technical writing, computer applications and work-based learning. For further information regarding course content or scheduling of an Electronics Technician curriculum or any other Technical Studies program contact the Counseling Center.

Technical Studies: Electronics Technician — Degree Requirements

First Year

Course No.	Course Title	1st Sem.	2nd Sem.
ETR 113-114	D.C. and A.C. Fundamentals I-II	3	3
ETR 123-124	Electronic Applications I-II	2	1
	Computer Elective[1]	3	-
ENG 111	College Composition I	3	-
HLT 100	First Aid and CPR2	2	-
MTH 163	Precalculus I	3	-
SDV 100	Orientation	1	-
ENG 131	Technical Report Writing I	-	3
ETR 106	Programming Methods for Electrical/Electronic Calculations	-	2
	Work-Based Learning[3]	-	2
IND 165	Principles of Industrial Technology	-	4
	Social Science Elective[4]	-	3
Total		**17**	**18**

Second Year

Course No.	Course Title	1st Sem.	2nd Sem.
ETR 151-152	Electronic Circuits and Troubleshooting I-II	2	2
ETR 223-224	Communications I-II	5	5
ETR 146	Electronic Test and Measuring Equipment	4	-
IND 237	Fundamentals of ISO 9000	3	-
	Social Science Elective[4]	3	-
	Work-Based Learning[3]	-	4
	Humanities Elective[4]	-	3
IND 138	Quality Improvement for Manufacturing	-	3
Total		**17**	**17**

Minimum credits required to graduate **69**

[1] Select from BUS 226 Computer Business Applications or ITE 115 Introduction to Computer Applications and Concepts.

[2] Any two hours of HLT or PED will satisfy the HLT 100 requirement.

[3] Work-based learning is satisfied by completion of any one, or a combination of: Journeyman Card, three credit co-op work experience, or Standard Industry Examination.

[4] See course catalog for available courses.