

Technical Studies

Building Trades

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 Building Trades 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
- HVAC
- Industrial Maintenance I
- Machine Technology
- Nuclear Support Technology
- Welding

Central Virginia Community College

call (434)-832-7800

AA/EEO/ADA • VTDD (434) 832-7701



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 a Building Trades curriculum or any other Technical Studies program contact the Counseling Center.

Technical Studies: Building Trades — Degree Requirements

Course No.	Course Title	First Year	
		1st Sem.	2nd Sem.
BLD 149-249	Carpentry I-II	3	3
	Electives ¹	1	2
	Computer Elective ²	3	-
ENG 111	College Composition I	3	-
HLT 100	First Aid and CPR ³	2	-
MTH 103	Applied Technical Mathematics I	3	-
SDV 100	Orientation	1	-
BLD 111	Blueprint Reading and the Building Code	-	3
BLD 115	Building Materials	-	2
	Humanities Elective ⁴	-	3
IND 236	Total Quality Concepts	-	3
Total		16	16

Course No.	Course Title	Second Year	
		1st Sem.	2nd Sem.
	Electives ¹	2	1
	Social Science Elective ⁴	3	3
	Work-Based Learning ⁵	3	3
BLD 129	Site Preparation	3	-
DRF 200	Survey of Computer Aided Drafting	3	-
ENG 131	Technical Report Writing I	3	-
BLD 146	Form Work and Concrete Theory	-	3
IND 137	Team Concepts and Problem Solving	-	3
IND 165	Principles of Industrial Technology I	-	4
Total		17	17

Minimum credits required to graduate

66

¹ Electives should be chosen from the following prefixes and may be substituted to align with actual work experience: BLD, CIV, DRF, MTH, and SAF. Credit may be awarded through approved dual enrollment programs with area high schools and/or vocational training centers.

² Select from BUS 226 Computer Business Applications or ITE 115 Introduction to Computer Applications and Concepts.

³ Any two hours of HLT or PED will satisfy the HLT 100 requirement.

⁴ See course catalog for available courses.

⁵ 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.