

Engineering Technology

Architectural/Civil Specialization

Associate in Applied Science

The purpose of the Associate in Applied Science degree program in Engineering Technology is to prepare students for full-time employment as engineering specialists immediately upon completion of the program.



Students successfully

graduating from this program may find employment as architectural designers/drafters, civil engineering designers, construction inspectors, construction superintendents, construction engineers, surveyors, machine design drafters, or HVAC design draft persons.

The curriculum includes courses in engineering, drafting, computer aided drafting (CAD), computer programming, mathematics, and general education requirements. Instruction will include both the theoretical concepts and practical applications necessary for future success in the field of Engineering Technology. Cooperative Education is available in this curriculum. Students are advised to consult with their advisor while planning a program of study and to continue doing so on a regular, periodic basis during that program of study.

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

Central Virginia Community College

call (434)-832-7800

AA/EEO/ADA • VTDD (434) 832-7701



scheduling of an Electrical and Control Technology curriculum or any other Technical Studies program contact the Counseling Center.

Engineering Technology: Architectural/Civil Specialization — Degree Requirements

Course No.	Course Title	First Year		
		1st Sem.	2nd Sem.	Sum. Sem.
MTH 115-116	Technical Mathematics I-II	3	3	-
DRF 201	Computer Aided Drafting and Design I ¹	3	-	-
ECO 120	Survey of Economics	3	-	-
EGR 100	Engineering Technology Orientation	1	-	-
EGR 127	Introduction to Computer Programming	2	-	-
ENG 111	College Composition I	3	-	-
SDV 100	Orientation	1	-	-
ARC 212	Architectural Drafting III	-	3	-
CIV 171	Surveying I	-	3	-
EGR 135	Statics for Engineering Technology	-	3	-
HLT 100	First Aid and CPR ²	-	2	-
PSY 120	Human Relations ³	-	3	-
EGR 136	Strength of Materials for Engineering Technology	-	-	3
Total		16	17	3

Course No.	Course Title	Second Year	
		1st Sem.	2nd Sem.
ARC 233	Advanced Architectural Drafting III	3	-
CIV 220	Structural Analysis	3	-
CIV 227	Concrete and Soil Technology	3	-
CIV 172	Surveying II	3	-
CIV 240	Fluid Mechanics and Hydraulics	3	-
ENV 170	Fundamentals of Energy Technology	2	-
DRF 262	CAD-Civil Design and Hydrology	-	3
CIV 210	Structural Systems	-	5
CIV 246	Water Resource Technology	-	2
ENG 131	Technical Report Writing I	-	3
	Humanities Elective ⁴	-	3
Total		17	16

Minimum credits required to graduate **69**

¹ Students with credit by previous experience for DRF 201 should enroll in ARC 212 in the Spring Semester.

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

³ PSY 120 is recommended but any three credit hours in the social science disciplines may be substituted for PSY 120.

⁴ See course catalog for available courses.