Technical Studies

Nuclear Support Technology

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 Nuclear Support Technology 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**

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 Nuclear Support Technology curriculum or any other Technical Studies program contact the Counseling Center.

Technical Studies: Nuclear Support Technology — Degree Requirements

This program is available only to employees of AREVA NP employees. The curriculum is work-based and is tailored to the students' individual work schedules. Therefore, the courses below reflect the degree requirements only.

Course No.	Course Title	Course Credits
ENG 111	College Composition I	3
MTH 103-104	Applied Technical Mathematics I-II	6
HLT 100	First Aid and CPR[1]	2
SDV 100	Orientation	1
	Humanities Elective[2]	3
	Social Science Elective[2]	6
IND 106	Industrial Engineering Technology	3
	Computer Elective[3]	3
EGR 126	Computer Programming for Engineers	3
ENG 131	Technical Report Writing I	3
IND 236	Total Quality Concepts	3
IND 140	Quality Control	2
IND 103	Industrial Methods	1
SAF 126	Principles of Industrial Safety	3
ELE 239	Programmable Controllers	2
ETR 105	Video Techniques	3
ELE 156	Electrical Control Systems	3
	Electives[4]	12
	Work Based Learning[5]	6
Total		**68**
Minimum credits required for a degree		**68**

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

[2] See course catalog for available courses.

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

[4] Electives should be chosen from the following prefixes and may be substituted to align with actual work experience: IND, MEC, and WEL.

[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.