

Technical Studies

TECHNICAL STUDIES (TECH)

ASSOCIATE IN APPLIED SCIENCE IN TECHNICAL STUDIES (A.A.S.-T.S.) DEGREE

The Associate in Applied Science degree in Technical Studies (A.A.S.-T.S.) is designed for students who want to take technical and general courses for college credit to meet the training or retraining demands of current or prospective employers. This interdisciplinary degree program enables individual students or groups of employees associated with one employer to tailor technical programs to their own specific needs. Courses are selected on the basis of students' interests, goals and abilities. Each student's program is individually designed. As the two examples on the next page point out, the A.A.S.-T.S. degree is designed to be flexible and interdisciplinary. Because of the variety offered in this degree program, the number of credits required for graduation could vary from 60 to 66.



Anyone interested in earning an A.A.S.-T.S. degree should speak with an admissions officer. Qualified students are referred to the dean of Business, Science and Technology to assess prior learning experiences. (*Procedures for the Assessment of Prior Learning are outlined in the Academic Information section of this catalog.*) If qualified, a learning contract outlining course requirements and leading to the A.A.S.-T.S. degree is developed.

Note: The learning contract is an official document, filed in the student's permanent record. It can be changed only with the written approval of the dean of Business, Science and Technology. Any approved changes in a student's program become part of the learning contract. In general, the program is divided into three parts:

Credits for Prior Learning (*not more than 20 credits*)

Any occupational or technical training for which prior learning credit is sought must be relevant to a student's education and career goals. This includes apprenticeship, union activities, military training, etc. Awarded credit is based on:

- Assessment of individual portfolios and records (*See Credits for Prior Learning on page 23 in the Academic Information section of this catalog or online.*)
- Work completed in evaluated apprenticeship programs and accepted by the appropriate academic teaching departments.
- Other sources, such as CLEP, military schools or industrial schools.

Technical and Related Course:

If a student has insufficient prior experience to receive an award of 20 credits of prior learning experience, he or she also will take an additional 20 credits in technical and related courses.

General Education:

At least 20 general education credits must be taken. See page 17 for complete listing of courses that meet these requirements.

EXAMPLES ONLY See previous page for specific requirements.

EXAMPLE 1

In this situation, an individual completes an evaluated apprenticeship program to be an electrician, has an interest in system modeling, automation, digital systems or networking. This individual wants to stay local. A program that might give this individual mobility within the job market might look like the program below. *(This schedule is meant as an example only.)*

General Education Requirements

COURSE NO.	COURSE TITLE	CREDITS
ENGL 1010* OR 2100	Composition I OR Technical Writing	3
ENGL Elective*	Course above 1000 level	3
Social Science Elective	See page 17 for complete listing of courses that meet this requirement.	6
MATH 1700*	Algebra for Technology	3
Math/Science Elective	Select three to four credits above 1000 level from: MATH, BIOL, GEOL, OCEN, PHYS	3-4
Humanities OR Social Science Elective	Take three credits. See page 17 for complete listing of courses that meet this requirement.	3
Total General Education Credits		21-22
Approved Apprenticeship		20

Technical Courses

COURSE NO.	COURSE TITLE	CREDITS
ENGR 1020	Introduction to Engineering and Technology	3
ENGR 1030	Engineering Graphics	3
ETEE 1050	Introduction to Electromechanical Systems	3
ETEE 1800	Digital Systems	3
ETEE 2360	Network Systems Technology	3
ETME 1010	Robotics and Controls	3
INST 1010	Introduction to Instrumentation	3
Total Technical Course Credits		21
Total Program Credits		62-63

*Placement test required.

P This course has a prerequisite. **C** This course has a corequisite. See Course Descriptions section for class hours, prerequisites and corequisites.

EXAMPLE 2

In this case, an individual may have completed a credit-worthy organized training program, yet new developments in his or her field indicate that he or she will need more formal business-related education. A degree program for this student might look like the one below. *(This schedule is meant as an example only.)*

General Education Requirements

COURSE NO.	COURSE TITLE	CREDITS
ENGL 1010*	Composition I	3
SPCH 1100*	Oral Communication I	3
PSYC 1050	Psychology in the Workplace	3
MATH 1200*	College Algebra	3
COMI 1100	Introduction to Computers	3
ECON 2030 OR 2040	Principles of Microeconomics OR Principles of Macroeconomics	3
Math/Science Elective	Take three credits from: Math/Science	3
Total General Education Credits		21
Approved Apprenticeship		20

Technical and Related Courses

COURSE NO.	COURSE TITLE	CREDITS
BUSN 1010	Introduction to Business	3
BUSN 2050	Principles of management	3
BUSN 2060	Principles of Marketing	3
ACCT 1010	Financial Accounting	4
ACCT 1020	Managerial Accounting	4
LAWS 2050	Law of Contracts	3
Total Technical and Related Course Credits		20
Total Program Credits		61

*Placement test required.