

**Taft College Graduation Requirements
Associate in Science Degree - Education Plan
COMPUTER SCIENCE**

A student is eligible for graduation with the Associate in Science Degree after satisfactorily completing no fewer than 60 semester units of work with a 2.0 cumulative grade point average or better.

MINIMUM REQUIREMENTS:

✓ = Course Completed
IP = In Progress

Competency Requirements:

In addition to the specific degree requirements listed below, students are required to meet competency requirements in three different areas. These requirements include:

1. Reading - Placement in English 6 based on placement testing or successful completion of three semester units of English 54 or higher level reading course with a grade of "C" or better.
2. Written Expression - Placement in English 1A on the basis of placement testing or successful completion of three semester units of English 50 or higher level writing course with a grade of "C" or better.
3. Mathematics - Successful completion of four semester units of Business 50, or four unit of Mathematics 50 or higher level mathematics course with a grade of "C" or better.

Course Requirements:

A. Health Education (3 units) -This requirement is fulfilled by the completion of Health Education 10. Veterans who have successfully completed basic training and at least one year of military service are exempt (upon providing a copy of DD-214). _____

B. American History and Institution (3 units) -This requirement is fulfilled by the completion of one of the following courses: History 17A, History 17B, Political Science 1. _____

C. Information Competency (1 units) -This requirement may be fulfilled by the completion of INCO 48 or by achieving a satisfactory score on the library proficiency exam. _____

D. MAJOR FIELD OF STUDY: Computer Science (18 semester units)

Required Preparation: (Select 18 units; 6 units must be programming courses, 3 units must be operating systems courses, and 9 units must be from Math and/or Statistics courses.)

- | | |
|---|---|
| _____ COSC 21B Visual Basic Programming (3) | _____ MATH 3A Analytic Geometry & Calc I (5) |
| _____ COSC 21C Adv Visual Basic Programming (3) | _____ MATH 3B Analytic Geometry & Calc II (4) |
| _____ COSC 46 C++ Programming (3) | _____ MATH 14A Analytic Geom & Calc III (4) |
| _____ COSC 48 Individual Study in Computer Projects (2) | _____ MATH 15 Precalculus Mathematics (4) |
| | _____ STAT 10 Elementary Statistics (5) |

Total Major Units _____

E. GENERAL EDUCATION REQUIREMENTS (18 units - one from each category)

Units

Natural Science (3 units)

Complete 3 semester units from the following courses:

- | | | | |
|-----------------------|------------------------------|----------------------------|------------------------|
| ___ Anatomy 6 | ___ Botany 1, 1L | ___ Geography 1 | ___ Physics 2A, 4A, 11 |
| ___ Anthropology 1 | ___ Chemistry 1A, 8, 9, 10 | ___ Geology 10, 11 | ___ Physiology 7, 7L |
| ___ Astronomy 10 | ___ Electronics 40 | ___ Industrial Education 9 | ___ Zoology 1A, 1B |
| ___ Biology 1, 1L, 15 | ___ Environmental Studies 10 | ___ Microbiology 8 | _____ |

Social & Behavioral Science (3 units)

- | | | |
|-----------------------|----------------------------------|----------------------------------|
| ___ Anthropology 2, 4 | ___ History 4A, 4B, 17A, 17B, 39 | ___ Psychology 1A, 3, 30, 33, 38 |
| ___ Business 32 | ___ *Humanities 1 | ___ Sociology 1, 2, 3, 41 |
| ___ Economics 1A, 1B | ___ *Journalism 1 | |
| ___ Geography 2 | ___ Political Science 1, 5 | _____ |

*May be used to meet either the Humanities or Social & Behavioral Sciences requirements.

Credit will be given for only one of the courses in this pair.

Humanities (3 units)

Complete 3 semester units from the following:

- | | |
|----------------------------------|-------------------------|
| ___ Art 1A, 1B, 2, 10A, 12A, 25A | ___ Humanities 1, 5, 10 |
| ___ Drama 35 | ___ Music 10 |
| ___ English 1B, 43, 44 | ___ Philosophy 1, 31 |
| ___ Foreign Language | ___ Photography 10, 11 |

English Composition (Language and Rationality) (3 units)

Complete 3 semester units from the following:

- | | |
|------------------------|-------|
| ___ English 1A, 1B, 50 | _____ |
|------------------------|-------|

Communication & Analytical Thinking (3 units)

Complete 3 semester units from the following:

- | | |
|---|-----------------------------|
| ___ Business 50 | ___ Petroleum Technology 59 |
| ___ Computer Science 21B, 42D, 46 | ___ Speech 7, 11 |
| ___ Math 3A, 11, 15, 16, 18, 31, 50, 51, 52 | ___ Statistics 10 |

General Education electives (3 units)

Select three additional general education units from any of the above categories.

Total G.E. Units _____

F. ELECTIVES

Elective courses used to meet the 60 unit degree total must be degree applicable courses. A student may count as credit only one course among English 50 and English 54 AB.

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Total Elective Units _____

Total Degree Units _____