

INFORMATION SCIENCES AND TECHNOLOGY, A.S. (INFORMATION SCIENCES AND TECHNOLOGY)

Begin Campus: World Campus, University Park

End Campus: World Campus, University Park

Degree Requirements

For the Associate in Science degree in Information Sciences and Technology, a minimum of 60 credits is required:

Requirement	Credits
General Education	21
Electives	4-7
Requirements for the Major	44-46

9-12 of the 21 credits for General Education are included in the Requirements for the Major. For all options, this includes: 3 credits of GQ courses; 6 credits of GWS courses. The Baccalaureate Option also includes 3 credits of GS courses to equal a total of 12 credits that double count; the General Business Option also includes 0-3 credits of GS courses to equal 9-12 credits that double count.

General Education

Connecting career and curiosity, the General Education curriculum provides the opportunity for students to acquire transferable skills necessary to be successful in the future and to thrive while living in interconnected contexts. General Education aids students in developing intellectual curiosity, a strengthened ability to think, and a deeper sense of aesthetic appreciation. These are requirements for all baccalaureate students and are often partially incorporated into the requirements of a program. For additional information, see the General Education Requirements (<http://bulletins.psu.edu/undergraduate/general-education/associate-degree-general-education-program/>) section of the Bulletin and consult your academic adviser.

Foundations (grade of C or better is required.)

- **Quantification (GQ):** 3 credits
- **Writing and Speaking (GWS):** 3 credits

Knowledge Domains

- **Arts (GA):** 3 credits
- **Humanities (GH):** 3 credits
- **Social and Behavioral Sciences (GS):** 3 credits
- **Natural Sciences (GN):** 3 credits

Foundations or Knowledge Domains

- A General Education course selected from GWS, GQ, GN, GA, GH, or GS, and may include Integrative Studies (Inter-domain or Linked) courses: 3 credits

The keystone symbol appears next to the title of any course that is designated as a General Education course. Program requirements may also satisfy General Education requirements and vary for each program.

University Degree Requirements

Cultures Requirement

3 credits of United States (US) or International (IL) cultures coursework are required and may satisfy other requirements

Writing Across the Curriculum

3 credits required from the college of graduation and likely prescribed as part of major requirements.

Total Minimum Credits

A minimum of 60 degree credits must be earned for an associates degree. The requirements for some programs may exceed 60 credits. Students should consult with their college or department adviser for information on specific credit requirements.

Quality of Work

Candidates must complete the degree requirements for their major and earn at least a 2.00 grade-point average for all courses completed within their degree program.

Limitations on Source and Time for Credit Acquisition

Credit used toward degree programs may need to be earned from a particular source or within time constraints (see Senate Policy 83-80 (<http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#83-80>)). For more information, check the Suggested Academic Plan for your intended program.

Requirements for the Major

To graduate, a student enrolled in the major must earn a grade of C or better in each course designated by the major as a C-required course, as specified by Senate Policy 82-44 (<http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44>).

Common Requirements for the Major (All Options)

Code	Title	Credits
Prescribed Courses		
CAS 100B	Effective Speech	3
ENGL 15	Rhetoric and Composition	3
<i>Prescribed Courses: Require a grade of C or better</i>		
CMPSC 101	Introduction to Programming	3
IST 110	Information, People and Technology	3
IST 111S	Seminar in Information Sciences and Technology	1
IST 210	Organization of Data	3
IST 220	Networking and Telecommunications	3
IST 250	Introduction to Web Design and Development	3
IST 260W	Introduction to Systems Analysis and Design	3
Additional Courses		
ENGL 202C	Effective Writing: Technical Writing	3
	or ENGL 202D Effective Writing: Business Writing	
<i>Additional Courses: Require a grade of C or better</i>		
IST 295A	Distributed Team Project	1
	or IST 295B IST Internship	

Requirements for the Option

Select an option 15-17

Requirements for the Option**Baccalaureate Option (17 credits)**

Available at the following campuses: Berks, DuBois, Greater Allegheny, Mont Alto, New Kensington, Scranton, University Park, Wilkes-Barre, World Campus, York

Code	Title	Credits
Prescribed Courses		
ECON 102	Introductory Microeconomic Analysis and Policy	3
STAT 200	Elementary Statistics	4
<i>Prescribed Courses: Require a grade of C or better</i>		
IST 230 & IST 240	Language, Logic, and Discrete Mathematics and Introduction to Computer Languages	6
Additional Courses		
MATH 110 or MATH 140	Techniques of Calculus I or Calculus With Analytic Geometry I	4

Generalized Business Option (15-16 credits)

Available at the following campuses: Berks, DuBois, Hazleton, Mont Alto, New Kensington, Scranton, University Park, World Campus, York

Code	Title	Credits
Additional Courses		
Select 15 credits in consultation with the adviser from the following list:		15
ACCTG 151	Introductory Financial Accounting I	
ACCTG 152	Introductory Financial Accounting II	
ACCTG 211	Financial and Managerial Accounting for Decision Making	
BA 250	Small Business Management	
ECON 102 or ECON 104 or ECON 14	Introductory Microeconomic Analysis and Policy or Introductory Macroeconomic Analysis and Policy or Principles of Economics	
MATH 21 or MATH 22 or MATH 26 or MATH 37	College Algebra I or College Algebra II and Analytic Geometry or Plane Trigonometry or Finite Mathematics	
MGMT 100	Survey of Management	
MGMT 321	Leadership and Motivation	
MGMT 341	Human Resource Management	
MKTG 220	Introduction to Selling Techniques	
MKTG 221	Contemporary American Marketing	
MKTG 310	Public Relations and Marketing	
MKTG 327	Retailing	

Individualized Option (15 credits)

Available at the following campuses: Berks, Greater Allegheny, Hazleton, Mont Alto, New Kensington, Scranton, University Park, Wilkes-Barre, World Campus, York

Code	Title	Credits
Supporting Courses and Related Areas		
<i>Supporting Courses and Related Areas: Require a grade of C or better</i>		
Select 15 credits in consultation with an adviser that follow a coherent theme in information sciences and technology with a grade of C or better required for all IST courses.		15

Networking Option (15 credits)

Available at the following campuses: DuBois, Mont Alto, Shenango, World Campus, York

Code	Title	Credits
Prescribed Courses		
<i>Prescribed Courses: Require a grade of C or better</i>		
IST 225	PC Hardware Basics	3
IST 226	Networking Essentials	3
IST 227	Network Administration	3
IST 228	Advanced Network Administration	3
Additional Courses		
Select one of the following:		3
MATH 21	College Algebra I	
MATH 22	College Algebra II and Analytic Geometry	
MATH 26	Plane Trigonometry	
MATH 37	Finite Mathematics	