ENTERPRISE TECHNOLOGY INTEGRATION, B.S. (INFORMATION SCIENCES AND TECHNOLOGY)

Seven Penn State campuses are scheduled for closure after Spring 2027: DuBois, Fayette, New Kensington, Mont Alto, Shenango, Wilkes-Barre, and York. New students are not being admitted at these campuses.

Begin Campus: Any Penn State Campus

End Campus: University Park, World Campus

Degree Requirements

For the Bachelor of Science degree in Enterprise Technology Integration, a minimum of 120 credits is required:

Requirement	Credits
General Education	45
Electives	1-2
Requirements for the Major	91-92

18 of the 45 credits for General Education are included in the Requirements for the Major. This includes: 3 credits of GS courses, 6 credits of GQ courses, 9 credits of GWS courses.

Requirements for the Major

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

Code	Title	Credits
Prescribed Courses		
Prescribed Courses: Require a grade of C or better		
ACCTG 211	Financial and Managerial Accounting for Decision Making	4
ETI 200	Designing AI for the Enterprise	3
ETI 300W	Cloud Design	3
ETI 301	Technology Adoption and Organizational Change	3
ETI 302	IT Project Management	3
ETI 420	Fundamentals of Systems and Enterprise Integration	3
ETI 421	Advanced Enterprise Integration: Technologies and Applications	3
ETI 461	Database Management and Administration	3
IST 210	Organization of Data	3
IST 220	Networking and Telecommunications	3
IST 230	Language, Logic, and Discrete Mathematics	3
IST 256	Programming for the Web	3
IST 495	Internship	1
Additional Courses		
Additional Courses: Require a grade of C or better		
BA 302	Supply Chains	3
or SCM 301	Supply Chain Management	
ECON 102	Introductory Microeconomic Analysis and Policy	3
or ECON 104	Introductory Macroeconomic Analysis and Policy	
ENGL 202C	Effective Writing: Technical Writing	3
or ENGL 202D	Effective Writing: Business Writing	
ETI 400	Delivering AI for the Enterprise	3
or ETI 423	Enterprise Information Management and Storage Architecture	
ETI 435	Enterprise Analytics	3
or ETI 463	Distributed Database Management Systems	
MATH 110	Techniques of Calculus I	4
or MATH 140	Calculus With Analytic Geometry I	
STAT 200	Elementary Statistics	4
or SCM 200	Introduction to Statistics for Business	
Select 3 credits from the following:		3
CAS 100A	Effective Speech	
CAS 100B	Effective Speech	
CAS 100C	Effective Speech	
CAS/ENGL 138T	Rhetoric and Civic Life II	
Select 3 credits from the following:		3
CAS/ENGL 137H	Rhetoric and Civic Life I	
ENGL 15	Rhetoric and Composition	
ENGL 30H	Honors Rhetoric and Composition	
Select 3-4 credits from the following:		3-4
BA 243	Social, Legal, and Ethical Environment of Business	
BA 301	Finance	
BA 303	Marketing	
BA 304	Management and Organization	
BLAW 243	Legal Environment of Business	
FIN 301	Corporation Finance	
IB 303	International Business Operations	
MGMT 301	Basic Management Concepts	
MKTG 301	Principles of Marketing	
Select 3 credits from the following:		3
CMPSC 121	Introduction to Programming Techniques	
CMPSC 131	Programming and Computation I: Fundamentals	
IST 140	Introduction to Application Development	
Select 3 credits from the following:		3
CMPSC 122	Intermediate Programming	
CMPSC 132	Programming and Computation II: Data Structures	
IST 242	Intermediate & Object-Oriented Application Development	
Select 3 credits from the following:		3
A-I 100	Artificial Intelligence: Automated Thinking to Augment Human Intellect	
CYBER 100	Computer Systems Literacy	
CYBER 100S	Computer Systems Literacy	
ETI 100	Introduction to Enterprise Technology Integration	
HCDD 113	Foundations of Human-Centered Design and Development	

HCDD 113S	Foundations of Human-Centered Design and Development FYS
IST 110	Information, People and Technology
Supporting Courses and Related Areas	
Supporting Courses and Related Areas: Require a grade of C or better	
A student must complete 12 credits from a single Application Focus. For most focuses, at least 3 of those credits must be at the 400-level. [1]	12

[1] As an alternative to the pre-defined application focuses, a student may select 12 credits, with at least 3 credits at the 400-level from any courses offered by the university if done so in consultation with an academic adviser and with approval of a teaching faculty member of the Enterprise Technology Integration major.

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 (https://bulletins.psu.edu/undergraduate/general-education/baccalaureate-degree-general-education-program/) section of the Bulletin and consult your academic adviser.

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.

Foundations (grade of C or better is required and Inter-Domain courses do not meet this requirement.)

- **Quantification (GQ):** 6 credits
- **Writing and Speaking (GWS):** 9 credits

Breadth in the Knowledge Domains (Inter-Domain courses do not meet this requirement.)

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

Integrative Studies

- **Inter-Domain Courses (Inter-Domain):** 6 credits

Exploration

- **GN,** may be completed with Inter-Domain courses: 3 credits
- **GA, GH, GN, GS, Inter-Domain courses.** This may include 3 credits of World Language course work beyond the 12th credit level or the requirements for the student's degree program, whichever is higher**:** 6 credits

University Degree Requirements

First Year Engagement

All students enrolled in a college or the Division of Undergraduate Studies at University Park, and the World Campus are required to take 1 to 3 credits of the First-Year Seminar, as specified by their college First-Year Engagement Plan.

Other Penn State colleges and campuses may require the First-Year Seminar; colleges and campuses that do not require a First-Year Seminar provide students with a first-year engagement experience.

First-year baccalaureate students entering Penn State should consult their academic adviser for these requirements.

Cultures Requirement

6 credits are required and may satisfy other requirements

- United States Cultures: 3 credits
- International Cultures: 3 credits

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 120 degree credits must be earned for a baccalaureate degree. The requirements for some programs may exceed 120 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

The college dean or campus chancellor and program faculty may require up to 24 credits of course work in the major to be taken at the location or in the college or program where the degree is earned. Credit used toward degree programs may need to be earned from a particular source or within time constraints (see Senate Policy 83-80 (https://senate.psu.edu/students/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/)). For more information, check the Suggested Academic Plan for your intended program.