

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Description and Outcomes

The objective of the Bachelor of Science in Information Technology program is to help you prepare for career advancement in the information technology field by providing the technical knowledge, and communication, critical thinking, and creative skills relevant to the modern workplace. The degree program is designed to help you develop a working knowledge of information technology (IT) concepts, tools, and methods as well as the leading-edge technologies needed to design information systems. In addition, courses teach you how to apply technical competencies to solve business problems. Whether your immediate educational goals are satisfied by the completion of a bachelor's degree or you are planning to pursue study in the information technology field beyond the baccalaureate level, this degree program may be for you.

The following program educational objectives are approved by information technology faculty and the Advisory Board:

- Our graduates will be able to evaluate and apply current IT best practices when solving real-world problems in complex IT environments.
- Our graduates will be able to demonstrate their ability to work within diverse teams, and to use effective written and oral communication skills when analyzing and designing IT solutions.
- Our graduates will be able to assess the impact of information technology on business processes and apply effective and ethically sound solutions locally and globally.

This program is available in ExcelTrack. Speak with your University representative for any limitations. For more information on ExcelTrack, see Learning Paths in the Approach to Learning (<https://catalog.purdueglobal.edu/policy-information/university-information/approach-to-learning/>) section of the Catalog.

Graduate Program Pathways

If you are interested in earning both a bachelor's and master's degree, consider a graduate program pathway (<https://catalog.purdueglobal.edu/undergraduate/graduate-program-pathways/>).

Program Length

The Bachelor of Science in Information Technology program consists of a minimum of 180 quarter credit hours. Upon successful completion of the program, you will be awarded a bachelor of science degree.

Program Outcomes

Discipline-Specific Outcomes

1. Technology Skills: Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. System Specifications: Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Professional Communication: Communicate effectively in a variety of professional contexts.

4. Professional Development: Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Team Management: Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Client Specifications: Use systemic approaches to select, develop, apply, integrate, and administer secure computing technologies to accomplish user goals.

General Education Literacies and Professional Competencies

In addition to the discipline-specific outcomes, general education literacies and professional competencies are integrated throughout your academic program. You can review the general education literacies and professional competencies associated with your academic program in the General Education and Professional Competency Requirements (<https://catalog.purdueglobal.edu/undergraduate/general-education-professional-competency-requirements/>) section of this Catalog.

Program Availability

For program availability, please refer to the U.S. State and Other Approvals (<https://catalog.purdueglobal.edu/policy-information/university-information/accreditation-approvals-memberships/>) section and Program Availability Information (<https://www.purdueglobal.edu/catalog-program-availability-info.pdf>).

Policies

Please refer to school-specific policies (<https://catalog.purdueglobal.edu/undergraduate/business-information-technology/>) and the Policy Information (<https://catalog.purdueglobal.edu/policy-information/>) section for general Purdue Global policies.

Admissions Requirements

You must meet the following admissions requirements in addition to the Purdue Global general requirements (<https://catalog.purdueglobal.edu/policy-information/admissions/>).

You must provide an official high school transcript, documentation of a high school diploma equivalent, an official college transcript, or another type of transcript eligible to be awarded college credit. Credit earned while previously enrolled at Purdue Global will exempt you from this requirement. If you are unable to provide any of these documents, you may submit alternative documentation and a written appeal to the program's Academic Dean to be considered for admission. If the credential or approval from the program's Dean cannot be officially verified by 2 days prior to the first day of your first term, you will need to enroll in a later term.

Certification, State Board, and National Board Exams


Certification and licensure boards have state-specific educational requirements for programs that lead to a license or certification that is a precondition for employment. Prospective and current students must review Purdue Global's State Licensure and Certifications (<https://www.purdueglobal.edu/about/accreditation/licensure-state-authorizations/>) site to view program and state-specific licensure information.

Licensure-track programs may limit enrollment to students in certain states; please see Purdue Global's Program Availability Information















(<https://www.purdueglobal.edu/catalog-program-availability-info.pdf>) to determine enrollment eligibility.











You are responsible for understanding the requirements of optional certification exams. Such requirements may change during the course of your program. You are not automatically certified in any way upon program completion. Although certain programs are designed to prepare you to take various optional certification exams, Purdue Global cannot guarantee you will be eligible to take these exams or become certified. Your eligibility may depend on your work experience, completion of education and/or degree requirements, not having a criminal record, and meeting other certification requirements.

Degree Plan


The  icon appears in the title of traditional courses that are also available as a set of module courses. Module course availability may be limited to certain academic calendars. See Course Types (<https://catalog.purdueglobal.edu/policy-information/university-information/approach-to-learning/>) for information about module courses.

Program Requirements

Code	Title	Credits
Core Requirements		
CM107	 College Composition I	5
CM220	 College Composition II	5
CS212	 Communicating Professionalism	5
MM212	 College Algebra	5
MM250	 Discrete Mathematics	5
100/200 Level	Arts and Humanities Requirement ¹	5
100/200 Level	Science Requirement ¹	5
100/200 Level	Social Science Requirement ¹	5
100/200 Level	General Education Elective	5
Total Core Requirements		45
Major Requirements		
CS114	Academic Strategies for the IT Professional	5
IT117	 Website Development	5
IN150	Foundations for Success in Information Technology (IT) Careers	5
IT163	 Database Concepts Using Microsoft Access	5
IT190	 Information Technology Concepts	5
IT234	 Database Concepts	5
IT273	 Networking Concepts	5
Select one of the following:		5
IN250	 Software Development Concepts Using Python	
IN251	 Software Development Concepts Using C#	
IN252	 Software Development Concepts Using Java	
IN253	 Software Development Concepts Using JavaScript and PHP	
Select one of the following:		5

IN254	 Software Design and Development Concepts Using Python	
IN255	 Software Design and Development Concepts Using C#	
IN256	 Software Design and Development Concepts Using Java	
IN257	 Software Design and Development Concepts Using JavaScript and PHP	
IT286	 Network Security Concepts	5
IT299	IT Integrative Project	5
IT301	 Project Management I	6
IT331	 Technology Infrastructure	6
IT332	 Principles of Information Systems Architecture	6
IT460	 Systems Analysis and Design	6
MM555	Applied Statistics ²	4
or MM207	 Statistics	
IT499	Bachelor's Capstone in Information Technology	6
Total Major Requirements		89
Open Elective Requirements		
Open Electives (see below)		46
Total Open Elective Requirements		46
TOTAL CREDITS		180

¹ For options to fulfill this requirement, see the corresponding literacy in General Education and Professional Competency Requirements (<https://catalog.purdueglobal.edu/undergraduate/general-education-professional-competency-requirements/>).

² If you complete MM207  Statistics to fulfill this requirement, the open elective credits required will be reduced by one credit.