ASSOCIATE OF APPLIED SCIENCE IN INFORMATION TECHNOLOGY

Description and Outcomes

The Associate of Applied Science in Information Technology program is designed to prepare you with the general education, applied knowledge, technical skills, and communication skills to pursue a wide range of entry-level positions in the information technology field including the areas of general IT, programming and software development, and networking. Courses help you develop the foundational skills to install and maintain computer networks, troubleshoot hardware and software problems, manage databases, and develop web pages.

Concentrations

The Associate of Applied Science in Information Technology offers several concentration options that allow you to focus your electives. While selection of a concentration is optional, you are encouraged to consider a concentration in order to personalize your degree and align your studies with your individual career interests.

Program Length

The Associate of Applied Science in Information Technology program consists of a minimum of 90 quarter credit hours. Upon successful completion of the program, you will be awarded an associate of applied science degree.

Program Outcomes

Discipline-Specific Outcomes

1. Technical Skills: Use technical skills and methods to solve problems.
2. Client Specifications: Explore users' technical needs.
3. Application:Construct information technology solutions.
4. Knowledge: Understand technology trends, practices, and products.

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.

Certification, State Board, and National Board Exams

Certain state certification and licensure boards have specific educational requirements for programs to lead to a license or certification that is a precondition for employment in a recognized occupation. 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.

Unless otherwise specified, Purdue Global's programs are not designed to meet any specific state's licensure or certification requirements. 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
Total Core Requirements		20
Major Requirements		
IT133	🌐 Microsoft Office Applications on Demand	5
IT190	🌐 Information Technology Concepts	5
Select one of the following: [1]		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	

IT273	Networking Concepts	5
100/200 Level	Major Electives (see below)	10
IT296	Associate's-Level Information Technology Internship	5
or IT299	Associate's Capstone in Information Technology	
Total Major Requirements		35
Open Elective Requirements		
Open Electives (see below)		35
Total Open Elective Requirements		35
TOTAL CREDITS		**90**

[1] Students in the Game Development concentration must take IN251 Software Development Concepts Using C#.

Concentration Requirements

Concentration courses are completed within the major electives and open elective requirements of the degree plan.

Students in this program are not required to select a concentration.

Cybersecurity

Code	Title	Credits
IN203	Networking With Microsoft Technologies	5
IN205	Routing and Switching I	5
IN206	Routing and Switching II	5
IT104	Introduction to Cybersecurity	5
IT244	Python Programming	3
IT275	Linux System Administration	5
IT286	Network Security Concepts	5
TOTAL CREDITS		**33**

Data Analytics

Code	Title	Credits
IN200	Data Governance - Policy and Ethics	5
IN300	Programming for Data Analysis (Python, R, and Java)	5
IT153	Spreadsheet Applications	5
IT163	Database Concepts Using Microsoft Access	5
IT234	Database Concepts	5
MM207	Statistics	5
MM325	Statistical Data Analysis	5
SS290	Data in Our World - Introduction to Data Literacy	5
TOTAL CREDITS		**40**

Game Development

Code	Title	Credits
IN240	Game Design and Mechanics	5
IN241	Game Programming	5
IN242	Game Art and Animation	5
IN255	Software Design and Development Concepts Using C#	5
TOTAL CREDITS		**20**

IT Generalist

Code	Title	Credits
IT117	Website Development	5
IT163	Database Concepts Using Microsoft Access	5
IT234	Database Concepts	5
TOTAL CREDITS		**15**

Programming and Software Development

Code	Title	Credits
IT117	Website Development	5
IT163	Database Concepts Using Microsoft Access	5
IT234	Database Concepts	5
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	
TOTAL CREDITS		**20**

Networking

Code	Title	Credits
IT117	Website Development	5
IN203	Networking With Microsoft Technologies	5
IN205	Routing and Switching I	5
IN206	Routing and Switching II	5
IT278	Windows Administration	5
IT286	Network Security Concepts	5
TOTAL CREDITS		**30**