Master of Science in

INFORMATION TECHNOLOGY

Come Back and Move Your IT Career Forward

This is your moment. Go beyond foundational skills and build the data-driven expertise businesses and organizations are looking for in their IT leaders. Purdue Global's online program is built for working adults like you who want to position themselves at the forefront of this fast-moving field. Make the connection between IT, communications, and business so you can develop the technical and managerial skills to come back stronger and more prepared than ever.

PURDUE GLOBAL™

Why Study Technology at Purdue Global?

Built for Working Adults

Complete courses online, without compromising your work or family schedule.

Backed by the Power of Purdue

Earn a degree you can be proud of — and one that employers will respect. Achieve more in the IT field with a name that opens doors in your career.

Practical Experience You Can Count On

In the IT field, tangible experience is key. Our program offers learning labs that simulate real-world, on-the-job situations so you can build a portfolio of diverse learning skills.

Learn From Faculty With Real-World Experience

Learn from practicing professionals with extensive experience in IT and education. All faculty members possess advanced academic degrees and many hold industry certifications, have significant industry experience, contribute to academic journals, and present at conferences.

Personal Support

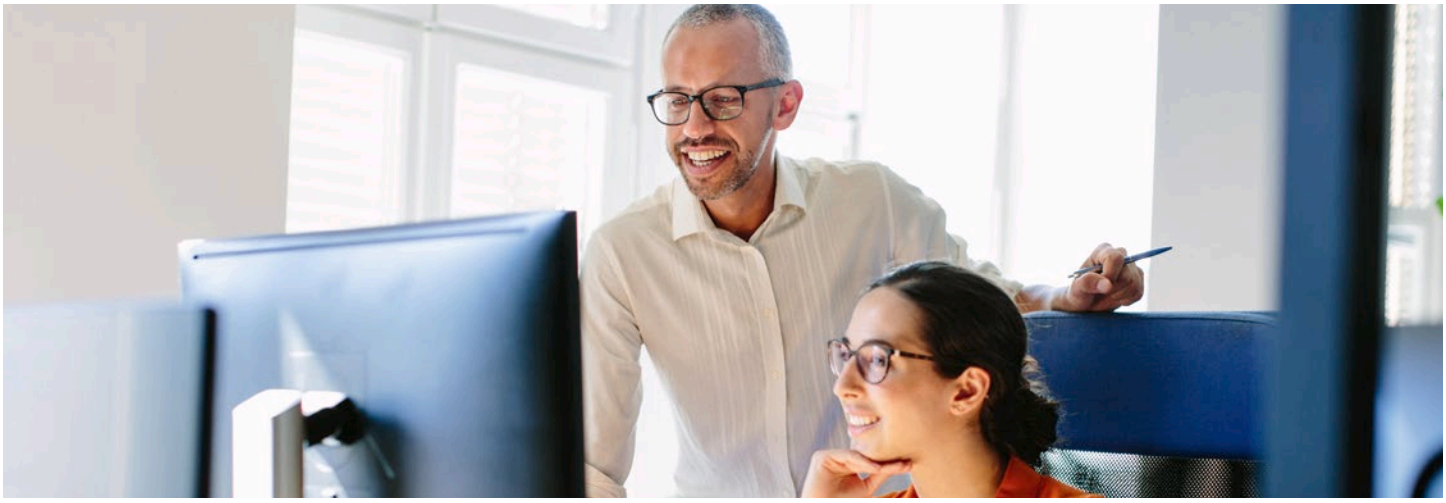
Complete courses online, without compromising your work or family schedule.

An Education That's Proven and Respected

Purdue Global is backed by Purdue University. One of the most prestigious universities in the world, Purdue ranked #16 overall and #1 in education among *Fast Company* magazine's prestigious **World's Most Innovative Companies**.[1]

Program Outcomes Support Your Career Growth

BUILD THE CORE IT SKILLS AND COMPETENCIES THAT EMPLOYERS DEMAND	EXPAND YOUR OPPORTUNITIES
▪ IT leadership ▪ Systems analysis and design ▪ Information system security ▪ Project management ▪ Ethical practices ▪ Decision analysis ▪ Critical thinking ▪ Business aptitude ▪ Collaboration skills ▪ Communication abilities	Graduates may use their expertise to pursue a career as a consultant, start a technology services business, or apply for leadership positions where they can manage complex technology demands.[2]



Concentration Areas

Customize your degree plan to develop specialized expertise in your chosen career path. We offer several concentrations aligned to current industry demands.

Critical Infrastructure Security
Study the implementation of protective procedures such as firewalls, network detection and response (NDR), and endpoint detection and response (EDR), and learn how to defend critical infrastructure including systems, networks, and assets.

Enterprise Architecture Systems
Study key IT systems relevant to corporate enterprise networks, and develop a deep understanding of the structure and operation of organizations to determine how to effectively achieve current and future objectives.

Blockchain Technologies and Apps
Study essential blockchain and smart contract technologies that serve as the foundation for Web 3.0, the next generation of internet, and gain the specialized skills you need to develop decentralized applications (dApps).

Project Management
Focus on every phase of the project life cycle using current software to achieve goals and objectives. Learn to control project cost and scheduling, analyze project risk and quality, and consider legal and ethical issues.

Amazon Web Services (AWS) Cloud Technologies
Explore cloud computing, critical infrastructure security, enterprise architecture systems, blockchain technologies and apps, architecting, and AWS core services. Examine the fundamentals of AWS infrastructure, service options, and best practices in the AWS Cloud.

Secure Software Development and Quality Assurance
Examine secure software development and design concepts. Apply best practices for coding, software testing, and implementation processes.

Data Analytics
Explore statistical methods for data analytics and employ appropriate data analytics concepts and tools. Apply foundational programming concepts in an analytics setting.

Cybersecurity
Explore fundamentals such as viruses, worms, and other malicious software, as well as more high-level aspects of IT security such as network defense, ethical hacking, and computer forensics.

Curriculum

Our rigorous curriculum prepares you for a variety of IT leadership roles. All courses are reviewed by our dedicated curriculum department and advisory board to ensure they reflect the most recent developments in the field.

Core IT Courses

- Statistics for the IT Professional
- System Analysis and Design
- Information Systems Project Management
- Research and Writing for the IT Professional
- Database Design and Data Modeling
- SQL Query Design
- Computer Networks
- Management of Information Security
- Legal and Ethical Issues in IT
- Capstone

Program Detail

Credit Hours: 60

Program Length: Less than 2 years of full-time study

Course Load: 1–2 courses per term

Terms: 10 weeks

Start Dates: Throughout the year

Delivery: 100% online

Additional Programs

- Master of Business Administration
- Master of Science in Cybersecurity Management
- Master of Science in Management and Leadership

Career and Networking Opportunities

Industry Outlook[3]

- Employment of computer and information systems managers is projected to grow much faster than the average for all occupations from 2022 to 2032.
- The U.S. will add approximately 86,000 new computer and information systems manager jobs by 2032.
- Demand for computer and information systems managers will grow as firms increasingly expand their business to digital platforms and organizations seek qualified executives with an advanced degree to lead and direct their teams.

Career Pathways and Outcomes[3]

Roles

- Computer and information systems manager
- Information security analyst/manager/specialist
- Network and computer systems administrator
- Computer network architect/manager
- Data warehousing specialist
- Database administrator/manager
- IT project manager
- Technical director/manager

Settings/Industries

- Computer services
- Finance
- Education
- Health care
- Science
- Law
- Communication
- Government

Center for Career Advancement

Our IT Career Specialists connect students with job and networking opportunities and offer the following assistance:

- Career assessment/exploration
- Resume and cover letter review
- Interview preparation/mock interviews
- Portfolio development to showcase your skills
- Assistance in building an online presence
- Job search and networking support
- Virtual career fairs
- 24/7 online access to job openings and career development tools

Student Organizations and Honor Societies

- Association for Computing Machinery (ACM) and ACM Women in Computing
- Graduation Information Technology Association (GITA)
- Cybersecurity Club
- Cloud Club

Purdue Global Is Accredited by the Higher Learning Commission
The HLC (HLCommission.org) is a regional accreditation agency recognized by the U.S. Department of Education.

Military Friendly
We offer reduced tuition rates for servicemembers, veterans, and spouses.

Contact an Admissions Advisor at 844-PURDUE-G or visit PurdueGlobal.edu.

1 www.fastcompany.com/most-innovative-companies/2023. Ranking applies to Purdue University West Lafayette and not to Purdue Global.

2 Purdue Global does not guarantee employment or career advancement. Additional training or certification may be required. In addition, job titles and responsibilities may vary by organization.

3 Source: U.S. Department of Labor, Bureau of Labor Statistics, Occupational Outlook Handbook, Computer and Information Systems Managers. National long-term projections may not reflect local and/or short-term economic or job conditions, and do not guarantee actual job growth.

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