



**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.



# 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

Work directly with faculty through online discussion boards and seminars, and enjoy no-cost individual tutoring. In addition, academic and career advisors are dedicated to helping you balance school with your career and life responsibilities.

**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**.<sup>1</sup>

# Program Outcomes Support Your Career Growth

BUILD THE CORE IT SKILLS AND COMPETENCIES THAT EMPLOYERS DEMAND		EXPAND YOUR OPPORTUNITIES
<ul style="list-style-type: none"><li>IT leadership</li><li>Systems analysis and design</li><li>Information system security</li><li>Project management</li><li>Ethical practices</li></ul>		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. <sup>2</sup>



## Concentration Areas

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

### 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.

### 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

- Foundations in Data Analytics
- System Analysis and Design
- Information Systems Project Management
- Research and Writing for the IT Professional
- Database Design and Data Modeling
- Statistics for Analytics
- Computer Networks
- Management of Information Security
- Legal and Ethical Issues in IT
- Master's Capstone in Information Technology

### 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<sup>3</sup>

- Employment of computer and information systems managers is projected to grow much faster than the average for all occupations from 2024 to 2034.
- The U.S. will have approximately 55,600 openings for computer and information systems managers each year, on average, from 2024 to 2034.
- 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<sup>3</sup>

### 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 | ▪ Science       |
| ▪ Finance           | ▪ Law           |
| ▪ Education         | ▪ Communication |
| ▪ Health care       | ▪ 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

DATA (Digital Authority of Technology Association) is the umbrella for Purdue Global's IT-related communities, which include:

- Analytics Club, where students discuss all things data, big and small;
- Cloud Club, for students interested in cloud-based computing solutions;
- Cybersecurity Club, a community concerned with digital security threats; and
- Women in Cybersecurity (WiCyS), a space to share experiences, challenges, and support.

## Purdue Global Is Accredited by the Higher Learning Commission

The HLC (HLCCommission.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](https://PurdueGlobal.edu).**

### IMPORTANT INFORMATION: PLEASE READ

For comprehensive consumer information, visit [Info.PurdueGlobal.edu](https://Info.PurdueGlobal.edu).

1 [www.fastcompany.com/most-innovative-companies/2023](https://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.