

MASTER OF SCIENCE IN INFORMATION TECHNOLOGY



BUILD THE SPECIALIZED I.T. EXPERTISE TO ADVANCE YOUR CAREER

Businesses and organizations of all kinds require IT leaders whose expertise goes far beyond foundational skills in information technology. The online Master of Science in Information Technology at Purdue University Global is designed to help working professionals make the connection between IT, communications, and business so you can develop marketable technical, creative, and managerial skills to help advance your career.

WHY STUDY TECHNOLOGY AT PURDUE GLOBAL?

ONLINE FLEXIBILITY FOR WORKING ADULTS

Earn your degree 100% online, while meeting the demands of your career. You can also visit one of our regional locations to take advantage of local, onsite support and services.

HANDS-ON LEARNING

Gain tangible experience through learning labs that simulate real-world, on-the-job situations. This also helps you build a portfolio of diverse learning skills.

FACULTY EXPERTISE

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

ONE-ON-ONE MENTORING

Work directly with faculty during online discussion boards and faculty office hours, and enjoy no-cost individual tutoring. In addition, academic and career advisors are dedicated to helping you balance school with your work, family, and community responsibilities.

NATIONALLY RANKED AND RESPECTED

Purdue Global is part of the respected Purdue University system. One of the most prestigious research universities in the world, Purdue University is ranked in the top 10 best public universities in the U.S. by *The Wall Street Journal/Times Higher Education*.¹

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">• IT leadership• Systems analysis and design• Information system security• Project management• Ethical practices• Decision analysis• Critical thinking• Business aptitude• Collaboration skills• Communication abilities	<p>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</p>

CONCENTRATION AREAS

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

Business Intelligence and Analytics

Study the analysis and development of decision support systems, business intelligence, knowledge acquisition and representation models, data mining concepts, algorithms, and applications.

Information Security and Assurance

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.

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.

CURRICULUM

Our rigorous curriculum prepares you for 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

- **Managing Information Technology in a Business Environment**
- **System Analysis and Design**
- **Information Systems Project Management**
- **Writing and Critical Thinking for the IT Professional**
- **Database Design and Data Modeling**
- **SQL Query Design**
- **Computer Networks**
- **Management of Information Security**
- **Legal and Ethical Issues in IT**
- **Internship or Capstone**

PROGRAM DETAIL

Credit Hours: 60

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

Course Load: 1–2 courses per term

Terms: 6 weeks long

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 OUTLOOK³

- Employment of computer and information technology systems managers is projected to grow faster than the average for all occupations from 2016 to 2026.
- The U.S. will need more than 540,000 additional IT professionals by 2026.
- 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 OUTCOMES²

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

CAREER SERVICES

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
- Iota Sigma Tau Honor Society
- Graduation Information Technology Association (GITA)
- Cybersecurity Club
- Cloud Club



Purdue Global Is Accredited by The Higher Learning Commission

This accreditation covers all academic programs, all regional locations, and all programs provided via distance education. Contact the HLC at HLCcommission.org or call 800-621-7440.

Military Friendly

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

This accolade was awarded prior to the March 2018 purchase of Kaplan University by Purdue University and subsequent creation of Purdue University Global. Purdue Global cannot guarantee future accolades.



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

IMPORTANT INFORMATION: PLEASE READ

For comprehensive consumer and gainful employment information, visit Info.PurdueGlobal.edu.

1 Source: www.timeshighereducation.com/rankings/united-states/2018. Rankings apply to Purdue University – West Lafayette and not to Purdue Global.

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

3 U.S. Department of Labor, Bureau of Labor Statistics, *Occupational Outlook Handbook*, Computer and Information Systems Managers; 540,000+ Jobs: Computer and Information Technology Occupations. National long-term projections may not reflect local and/or short-term economic or job conditions, and do not guarantee actual job growth.