



# CLOUD COMPUTING AND SOLUTIONS

## Bachelor's Degree Program

### Come Back More Prepared for the Future of IT With an In-Demand Degree

Cloud computing continues to transform nearly every industry, and organizations need professionals who are capable of migrating and creating solutions in the cloud, ensuring data security, and maintaining vital systems and storage. Now is the time to start your comeback with a degree that opens doors from Purdue Global, Purdue's online university for working adults. Gain the technical, strategic, and business acumen to lead companies in a fast-evolving field.



# Why Make Your Comeback 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 technology field with a name that opens doors in your career.

## Flexible Degree Options

Discover a more flexible, affordable way to earn your Purdue Global degree with ExcelTrack®. This program empowers you to move faster through topics you've already mastered and focus only on what you need to learn. Each ExcelTrack® course is a single credit, covering one competency.<sup>1</sup>

## 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.

## Faculty Expertise

Learn from experienced IT and education experts who are practicing professionals in the field. All faculty possess advanced academic degrees and relevant industry credentials.

## Experience Counts as Credit

You've lived, learned, and worked hard — now it's time to get the recognition you deserve. Use prior coursework, work experience, or industry credentials to graduate sooner.<sup>2</sup> Our average bachelor's graduate saves nearly 50% on tuition with credit for prior learning.<sup>3</sup>

## Introductory Trial Period

Make sure online learning at Purdue Global is right for you. Enroll in the University and try our classes for 3 weeks — before you owe any tuition. That's the Purdue Global Commitment.<sup>4</sup>

## Graduate Program Pathway

Earn your master's degree in less time with a graduate program pathway. You'll take graduate-level courses while completing your bachelor's degree and get a head start on your master's program. View the University Catalog for more information.<sup>5</sup>

### Ranked and Respected

Purdue Global is part of the respected Purdue University system. One of the most prestigious research universities in the world, Purdue is ranked #16 most innovative company in the world alongside Open AI, NASA, and Microsoft.<sup>6</sup>

# Take the Next Step in Your Career and Education

## BUILD THE CORE SKILLS AND COMPETENCIES THAT EMPLOYERS DEMAND

Gain relevant, practical skills through hands-on learning and virtual IT labs. Apply classroom concepts to real-world cloud computing challenges. Program outcomes include:

- **Technology Skills:** Apply current technical tools and methodologies to create cloud solutions.
- **Client Specifications:** Analyze users' cloud requirements.
- **System Specifications:** Design secure cloud information systems.
- **Technology Analysis:** Evaluate cloud computing trends, practices, and products.
- **Cloud Analysis:** Evaluate the potential impact of cloud-based information systems and technology on business processes.
- **Project Management:** Apply project management practices, tools, and methods to cloud solutions.
- **Professional Development:** Recognize the ethical considerations for IT professionals locally and globally as they develop in their careers.

## PREPARE FOR CERTIFICATION<sup>7</sup>

The program provides a foundation for critical industry certifications, including:

- CompTIA Cloud Essentials and Cloud+
- Microsoft MCSE: Cloud Platform and Infrastructure
- Microsoft MCSA: Linux on Azure
- AWS Certified Solutions Architect—Associate
- AWS Certified Solutions Architect—Professional
- AWS Certified Developer—Associate
- AWS Certified SysOps Administrator—Associate
- AWS Certified DevOps Engineer—Professional
- (ISC)<sup>2</sup> Certified Cloud Security Professional (CCSP)
- Cisco Certified Network Associate (CCNA) Cloud
- Cisco Certified Network Professional (CCNP) Cloud

Some certifications may require work experience and/or additional coursework beyond the Purdue Global program.

# Curriculum

Our curriculum prepares you with relevant skills you can apply immediately in the workplace. All courses are reviewed and revised continually by our dedicated curriculum department and advisory board to ensure they reflect the most recent developments in the field.

## Course Topics Include:

- Cloud infrastructure administration
- Application development and scripting in the cloud
- Virtualization and cloud security
- Cloud services management
- Security testing for cloud applications
- Advanced cloud security
- Software development in the cloud
- Migrating data and applications to the cloud
- Network administration and security
- Database concepts

## Set Your Own Speed with the ExcelTrack® Bachelor's Degree in Cloud Computing

ExcelTrack® is competency-based learning that helps IT professionals take control of their education. With ExcelTrack®, you can use your knowledge and experience to move faster through topics you already know and focus only on what you need to learn. Each ExcelTrack® course is a single credit and covers one competency. Same degree— you choose how to earn it.<sup>1</sup>

## Program Detail

**Credit Hours:** 180

### Program Length:

Traditional program: 2–4 years<sup>8</sup> (With transfer credit and other prior experience, the average completion time for Purdue Global bachelor's degree graduates in 2021–2022 was 2.1 years.)

ExcelTrack®: Self-paced so you can graduate sooner

### Tuition Structure:

Traditional program: Standard per credit

ExcelTrack®: One flat rate per term (excluding fees)

**Terms:** 10 weeks long

**Start Dates:** Throughout the year

**Delivery:** 100% online

## Additional Programs

- Bachelor of Science in Cybersecurity
- Master of Science in Cybersecurity Management
- Master of Science in Information Technology
- Google Certificates



# Career Opportunities

## Industry Outlook

- Employment of computer and information technology occupations is projected to grow much faster than average from 2024 to 2034.<sup>9</sup>

## Career Pathways and Outcomes<sup>10</sup>

### Roles

- Computer and information systems manager
- Computer and information research scientist
- Computer systems analyst
- Database administrator
- Network and computer systems administrator
- Computer network architect
- Computer occupations

### Industries

- Computer services
- Finance
- Education
- Health care
- Science
- Law
- Communications
- 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 ExcelTrack® is designed to advance your progress based on existing knowledge; however, degree pace and time and cost savings will vary by individual. Program includes a traditional 6-credit capstone course; however, tuition is charged at the ExcelTrack® rate.

2 Purdue Global does not guarantee transferability of credit from any of these sources. See the University Catalog for the Prior Learning Assessment policy.

3 Purdue Global online bachelor's degree students who graduated in 2024–2025 and applied eligible prior learning (transfer, experiential, or credit by exam) credits received an average of 85 credits toward their degree. Purdue Global does not guarantee transferability of credit. See University Catalog for the Prior Learning policy. Source: Office of Reporting and Analysis, 2024–2025 academic year.

4 Students who inform Purdue Global they do not wish to pursue the program during the 3-week trial will not be charged. Students who choose to continue at Purdue Global will be billed for the full first term's tuition, including the 3-week trial, and will need to meet other specific requirements. Classes will be applied toward a degree if satisfactorily completed and students select to continue their studies at Purdue Global. No credits are earned if the student withdraws during the introductory period (3 weeks for new qualifying undergraduate students), which begins day one of the first term. Graduate programs and BS in Professional Flight not included. Additional terms may apply to international and non-U.S. citizen students. For further information, see the University Catalog.

5 Estimated graduation date is based on the assumption that you will enroll in time to begin classes on the next upcoming start date, will remain enrolled for each consecutive term, and will maintain satisfactory academic standing in each term to progress toward completion of your program. Completion time is based on a full-time schedule. Programs will take longer for part-time students to complete.

To start a Graduate Program Pathway, students should consult with their Student Advisor to confirm eligibility. Not all Graduate Program Pathways are available on all tracks, and some may require students to meet academic standards to continue taking graduate courses in their bachelor's degree program. Visit the University Catalog for more information.

6 Source: [www.fastcompany.com/most-innovative-companies/2023](https://www.fastcompany.com/most-innovative-companies/2023). Rankings apply to Purdue University West Lafayette and not to Purdue Global.

7 Students are responsible for understanding the requirements of optional certification exams. The University cannot guarantee students will be eligible to sit for or pass exams. In some cases, work experience, additional coursework beyond the Purdue Global program, fieldwork, and/or background checks may be necessary to be eligible to take or to successfully pass the exams.

8 The average completion time for Purdue Global online bachelor's degree students who graduated in the 2021–2022 academic year was 2.1 years. Source: Purdue Global Office of Reporting and Analysis, July 2022.

9 Source: U.S. Department of Labor, Bureau of Labor Statistics, *Occupational Outlook Handbook*, Computer and Information Technology Occupations; Fastest-Growing Occupations. National long-term projections may not reflect local and/or short-term economic or job conditions, and do not guarantee actual job growth.

10 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.