

BACHELOR OF SCIENCE IN CLOUD COMPUTING AND SOLUTIONS

A man and a woman are in a server room, looking at a computer monitor. The man is pointing at the screen while the woman looks on. There is a white mug on a table in front of them.

THE SHIFT TO THE CLOUD IS TRANSFORMING NEARLY EVERY INDUSTRY. BE READY FOR THE FUTURE OF I.T.

As cloud computing evolves, organizations must move from the experimentation phase to full-scale implementation. To do so, they need skilled professionals capable of migrating and creating solutions in the cloud, ensuring data security, and conducting ongoing maintenance of cloud systems and storage. Purdue University Global's online degree equips graduates with technical, strategic, and business acumen to lead companies in this fast-evolving field.

WHY STUDY CLOUD COMPUTING AT PURDUE GLOBAL?

ONLINE FLEXIBILITY FOR WORKING ADULTS

Complete your degree 100% online, on your schedule. You can also visit one of our regional locations to take advantage of local, onsite support and services.

PERSONALIZED LEARNING OPTIONS

In addition to our traditional online program, we offer ExcelTrack™, which helps you earn your degree faster and more affordably.¹ With ExcelTrack™ you can work at your own pace and take as many classes as you want each term.

ONE-ON-ONE SUPPORT

Interact 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 career and life responsibilities.

FACULTY EXPERTISE

Learn from professionals with extensive experience in IT and education. All faculty possess advanced academic degrees and relevant industry credentials.

CREDIT FOR WHAT YOU ALREADY KNOW

Earn credit for work experience, prior college courses, and industry certifications to accelerate the completion of your degree.² Our average bachelor's graduate with transfer credits saves 45% on University tuition.³

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.⁴

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*.⁵

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 Certification⁶

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)² 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
- Cybersecurity
- Linux systems administration and security
- Network administration and security
- Database concepts
- Windows Enterprise administration
- Information systems architecture
- Routing and switching

EXCELTRACK™: A FASTER AND MORE AFFORDABLE WAY TO EARN YOUR DEGREE

ExcelTrack™ is competency-based learning that helps IT professionals graduate faster and save on tuition.¹ With ExcelTrack™, you can work at your own pace and take as many classes as you want each term. Each course is a single credit covering a specific topic, so you can speed past what you already know and focus on gaining new, relevant skills and knowledge. Same degree—you choose how to earn it.

PROGRAM DETAIL

Credit Hours: 180

Program Length:

Traditional program: 2–4 years²

ExcelTrack™: Self-paced so you can graduate sooner

Course Load:

Traditional program: 2 courses per term

ExcelTrack™: As many as you can complete with a “B” or higher on your final assessment

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
- Postbaccalaureate and Graduate Certificates

CAREER OPPORTUNITIES

INDUSTRY OUTLOOK

By 2020⁸:

- More than 80% of application and infrastructure operations will be resolved autonomously.
- 50% of production workloads in regulated industries will move to the cloud.
- Enterprise applications will widely adopt cloud-native architectures.

Employment of computer and information technology occupations is projected to grow faster than the average for all occupations from 2016 to 2026.⁹

CAREER PATHWAYS AND OUTCOMES¹⁰

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

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
- Cybersecurity Club
- Iota Sigma Tau Honor Society
- 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 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 Kaplan University online bachelor's degree students who graduated in 2017 and entered their program with eligible transfer credits saved an average of \$30,000 toward the total degree. Note: these data were reported prior to the March 2018 purchase of Kaplan University by Purdue University and subsequent creation of Purdue University Global. Campus tuition and transfer credit savings vary by location. Savings based on overall cost of completion without transfer credit. Calculation based on total transfer credit times cost per credit in student's program of study. Individual savings will vary. Calculation includes campus and military students. Future transfer credit savings are subject to review and the academic policies of Purdue Global.
- 4 No financial obligation beyond the application fee. Classes count toward a degree if satisfactorily completed. 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. Students who choose to continue their studies at Purdue Global will need to meet specific requirements. Graduate programs not included. Additional terms may apply to international and non-U.S. citizen students. For further information, see the University Catalog.
- 5 Source: www.timeshighereducation.com/student/best-universities/best-public-universities-united-states. Rankings apply to Purdue University West Lafayette and not to Purdue Global.
- 6 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.
- 7 Purdue Global online bachelor's degree students who graduated in the 2017–2018 academic year and applied eligible external (transfer, experiential, or credit by exam) credits earned an average of 82 credits or 8 terms toward their total degree. This excludes undergraduate nursing students. Term estimates are based on completion of two 5- or 6-credit courses per term. Individual credits earned will vary. Please see the University Catalog for Purdue Global's Prior Learning Assessment policy. Source: Purdue Global Office of Records Analysis and Reporting.
- 8 Oracle, *Cloud Predictions 2018*.
- 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 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.