Bachelor of Science in

ANALYTICS

It's Your Comeback. Make It Count With an Online Analytics Degree.

Data science and analytics professionals drive decisions of organizations in virtually every corner of business. Meet the soaring demand for analytics experts with an online degree that's built for working adults and backed by the power of Purdue. Our bachelor's program helps you develop the skills you need to come back stronger and more prepared than ever in this dynamic field. You will gain real-world experience analyzing a variety of data using relevant technical and statistical tools and processes. As a graduate, you will be ready to seek valuable IT certifications.

PURDUE GLOBAL™

Why Study Analytics 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 employers will respect. Achieve more in the IT field with a name that opens doors in your career.

Accelerated Degree Options

Get ahead faster with our ExcelTrack® program, which allows you to speed past the subjects you already know and focus on the topics you still need to learn.[1] You can work at your own pace and take as many classes as you want each term.

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.

Expert Faculty

Learn from 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

It's time to get the credit you deserve. You can use prior academic, work, and military experience, and industry certifications for credit. Our average bachelor's graduate with prior learning credit saves 50% on tuition.[2, 3]

Introductory Trial Period

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

Combined Bachelor's-to-Master's Program

Get a head start on your master's degree during your bachelor's program. When you earn a minimum grade in key bachelor's courses, you'll qualify for shortened versions of our master's degree programs in IT or cybersecurity management.

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	PREPARE FOR CERTIFICATION[6]

Gain relevant, practical skills through hands-on learning and virtual IT labs. Apply classroom concepts to real-world data analytics challenges. Program outcomes include:
 	
• **Data analysis skills:** Apply principles of analysis and other relevant disciplines to create requested reports.
• **Project management:** Design, implement, and evaluate analytics-based solutions.
• **Communication skills:** Speak or present effectively in a variety of professional contexts.
• **Professional development:** Recognize professional responsibilities and make informed judgments in analyzing data based on legal and ethical principles.
• **Collaboration skills:** Function effectively as a member or leader of a data analysis team.
	The program provides a foundation for critical industry certifications, including:
	
	• Certified Analytics Professional (CAP®)
	• Amazon Web Services (AWS) Certifications
	  – AWS Certified Big Data – Specialty
	  – AWS Certified Developer – Associate
	  – AWS Certified Solutions Architect – Associate
	  – AWS Certified Cloud Practitioner – Associate
	  – AWS Certified SysOps Administrator – Associate
	  – Microsoft Certified Solution Expert (MCSE)
	• Cloudera Certified Associate (CCA) Data Analyst

Curriculum

The bachelor's in analytics 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:

Apache Hadoop, Hive, Pig, and Spark, as well as big data, data governance, data science, database architecture, database schemas, enterprise data management, machine learning, MapReduce, MongoDB, NoSQL, online analytical processing (OLAP), predictive analytics, and SAP Analytics.

Students have the opportunity to choose from nine optional concentrations:

- Cloud computing
- Game development
- Information security and assurance
- Network administration
- Software development using C#
- Software development using Java
- Software development using Python
- Software development using web languages
- Supply chain management and logistics

Exceltrack®: A Faster And More Affordable Way To Earn Your Analytics 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 ExcelTrack®: Self-paced so you can graduate sooner 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. It's the same degree—you just choose how to earn it.

Program Detail

Credit Hours: 180

Program Length:

Standard online program: 2–4 years[7] (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

Course Load:

Standard online program: 2 courses per term

ExcelTrack®: As many as you can complete with a "B" or higher on your final assessment

Tuition Structure:

Standard online program: Standard per credit

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

Terms: 10 weeks long

Start Dates: Throughout the year

Additional Programs

- Bachelor of Science in Cloud Computing and Solutions
- Bachelor of Science in Cybersecurity
- Bachelor of Science in Information Technology
- Master of Science in Cybersecurity Management
- Master of Science in Information Technology
- Undergraduate, Postbaccalaureate, and Graduate Certificates

Career Opportunities

Industry Outlook

- According to the Bureau of Labor Statistics, data scientist is ranked third on the list of fastest-growing occupations from 2022 to 2032.[8]
- Opportunities will increase for IT professionals with the skills to translate raw data into sound recommendations.

Career Pathways and Outcomes[9]

Roles

- Data-driven decision maker
- Functional analyst
- Data systems developer
- Data analyst
- Data scientist and advanced analyst
- Analytics manager

Employment Fields

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

Center for Career Advancement

Our Career Specialists offer the following services:

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

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.

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