



Bachelor of Science in

APPLIED MANUFACTURING

Open Doors to New Opportunities in a Fast-Changing Industry

Help meet the increasing demand for skilled leaders in the field of manufacturing. With a Bachelor of Science in Applied Manufacturing from Purdue Global, you'll be ready to take on senior positions as Industry 4.0 continues to grow. In this 100% online program, you'll study current topics including robotics, AI, the Internet of Things, digital twins, 3D printing, and more. Plus, you can customize your degree with an optional micro-credential that supports your career goals.



Why Study Applied Manufacturing at Purdue Global?

Built for Working Adults

Complete courses 100% 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 manufacturing field with a name that opens doors in your career.

Experience Counts as Credit

It's time to get the credit you deserve. Our average bachelor's graduate saves an average of 50% on tuition with credit for prior learning.¹

Customizable Degree Paths

Enhance your learning with an optional micro-credential in a related subject such as data intelligence, industrial manufacturing, foundations of business, and more.

Practical Experience You Can Count On

Explore real workplace challenges related to advanced manufacturing, including inspection, materials, technology, processes, and supply chains.

Expert Faculty

Learn from professors who are practicing professionals in the field. All faculty possess advanced academic degrees.

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.

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.²

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.⁴

Take the Next Step in Your Career and Education

Build the Core Skills and Competencies That Employers Demand

At the end of our Applied Manufacturing bachelor's program, you'll be qualified with essential skills in:

- Engineering
- Systems specifications
- Professional communication
- Testing and validation
- Teamwork

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.³



Curriculum

Our courses prepare you with the essential technical and leadership skills and knowledge to advance your career in the manufacturing industry. Our dedicated curriculum department and advisory board regularly update our courses to ensure you're familiar with the most recent developments in the field.

Specialize your expertise with an optional micro-credential in a related field including data intelligence, industrial manufacturing, foundations for business, and more. The courses are embedded into your program.

Applied Manufacturing Course Topics Include:

- Computer-Aided Design Fundamentals
- Corporate Sustainability and Social Responsibility
- Emerging Technologies and the Future
- Global Supply Chain Management
- Industry 4.0 Principles and Technologies
- Introduction to Plant Floor and Computer Numerical Control (CNC) Principles
- Introduction to the Workplace and Safety
- Manufacturing Automation
- Operations Management
- Project Management I



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.

Program Detail

Credit Hours: 180

Program Length: 2–4 years (standard online program)

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.⁵

Course Load: 2 courses per term (standard online program)

Terms: 10 weeks long

Start Dates: Throughout the year

Delivery: Online

Additional Programs

- Bachelor of Business Administration with a Concentration in Supply Chain Management and Logistics
- Bachelor of Science in Applied Supply Chain Management



Career and Networking Opportunities

Industry Outlook⁶

- Employment of administrative services and facilities managers is projected to grow 6% from 2023 to 2033, faster than the average for all occupations.
- Employment of industrial production managers is projected to grow 3%, as fast as average, from 2023 to 2033.
- Manufacturing could need an estimated 3.8 million jobs by 2033.⁷
- A high percentage of skilled manufacturing technicians and supervisors are nearing retirement, deepening the need.

Career Pathways and Outcomes⁸

Roles

- Construction manager
- Facilities manager
- First-line supervisor
- Industrial production manager
- Logistician
- Logistics coordinator
- Operations assistant
- Operations manager
- Production supervisor
- Quality assurance manager
- Team leader

Settings and Industries

- Administrative and support services
- Educational services
- Health care
- Local government
- Manufacturing

Center for Career Advancement

Our Career Specialists connect students with job and networking opportunities and offer the following assistance:

- Career assessment and exploration
- Resume and cover letter review
- Interview preparation and 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



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

IMPORTANT INFORMATION: PLEASE READ

For comprehensive consumer information, visit Info.PurdueGlobal.edu.

1 Purdue Global online bachelor's degree students who graduated in 2021–2022 and applied eligible prior learning (transfer, experiential, or credit by exam) credits saved an average of \$34,000 toward the total degree. Campus tuition and prior learning savings vary by location. Savings based on overall cost of completion without prior learning credit. Calculation based on total prior learning credit times standard cost per credit in student's program of study. Individual savings will vary. Calculation includes campus and military students. Purdue Global does not guarantee transferability of credit. See *University Catalog* for the Prior Learning policy. Source: Office of Reporting and Analysis, July 2022. 2021–2022 academic year.

2 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*.

3 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.

4 Most Innovative Companies Rankings: Sources: www.fastcompany.com/most-innovative-companies/2023 and www.fastcompany.com/90846988/most-innovative-companies-education-2023. Rankings apply to Purdue University West Lafayette and not Purdue Global.

5 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.

6 Source: U.S. Department of Labor, Bureau of Labor Statistics, *Occupational Outlook Handbook*, Administrative Services and Facilities Managers and Industrial Production Managers. National long-term projections may not reflect local and/or short-term economic or job conditions, and do not guarantee actual job growth.

7 Source: Deloitte, <https://www2.deloitte.com/us/en/pages/about-deloitte/articles/press-releases/us-manufacturing-could-need-new-employees-by-2033.html>.

8 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.