




PURDUE POLYTECHNIC

Hands-on education. Real-world **success.**

    /TechPurdue

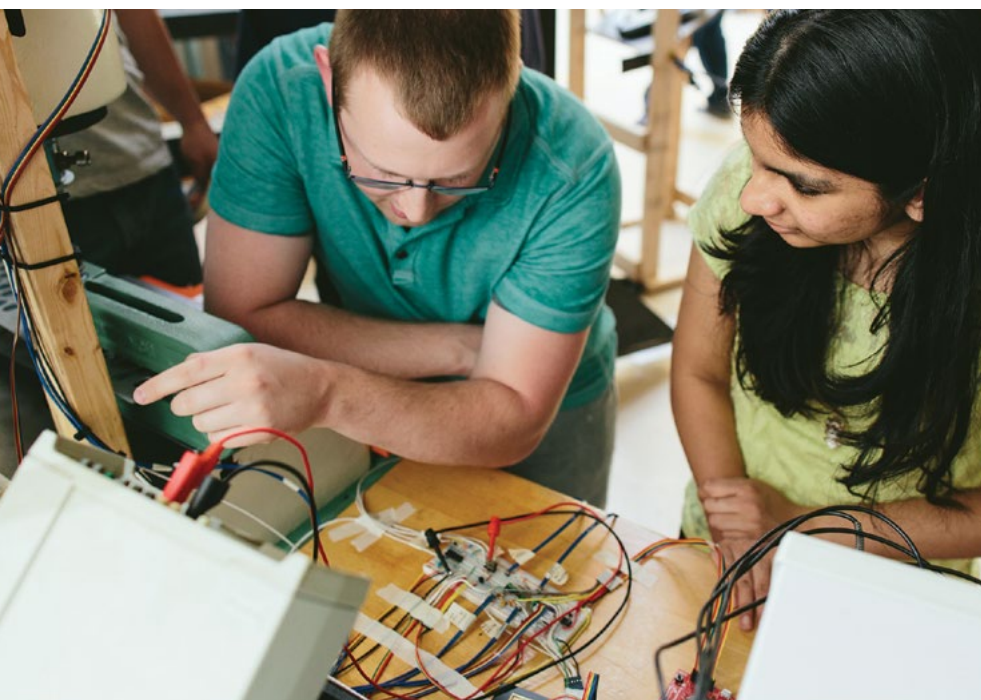
polytechnic.purdue.edu

765-494-4935

choosepolytechnic@purdue.edu



PURDUE
UNIVERSITY®



Areas of **Interest**



AVIATION



COMPUTING
AND GRAPHICS



CONSTRUCTION
MANAGEMENT



ENGINEERING
TECHNOLOGIES



TECHNOLOGY
EDUCATION



TECHNOLOGY
MANAGEMENT

Contact US

For information on admission to Purdue University and the Purdue Polytechnic Institute, including important application and financial aid deadlines, contact:



**PURDUE UNIVERSITY
UNDERGRADUATE ADMISSIONS**

admissions.purdue.edu

765-494-1776

admissions@purdue.edu

Purdue Polytechnic at a Glance

This brochure contains Polytechnic majors that are part of the Bachelor of Science degree programs at Purdue University in West Lafayette, IN.

POLY·TECH·NIC

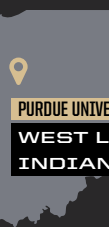
[noun] 21st century: A college that uses innovative learning methods, real-world experiences, and industry partnerships to produce graduates uniquely qualified for technology-driven careers.



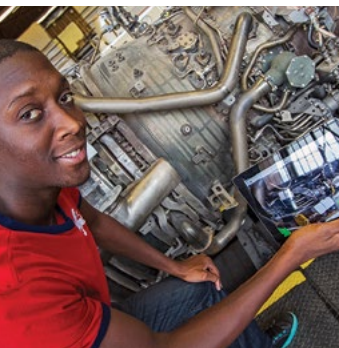
#4 INFORMATION TECHNOLOGY

DEGREE PROGRAM

collegechoice.net



PURDUE UNIVERSITY, MAIN CAMPUS
WEST LAFAYETTE,
INDIANA

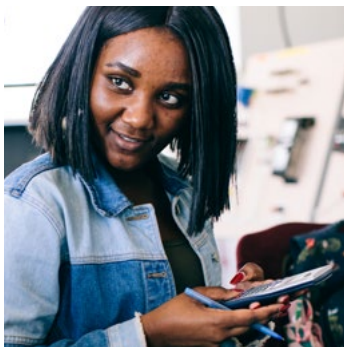


INCREDIBLE STUDY ABROAD OPPORTUNITIES



GLOBAL COMPANIES hire our graduates from a wide range of majors. Below is just a sampling of businesses:

- » Amazon
- » Bank of America
- » Boeing Co.
- » Cummins Inc.
- » Exxon Mobil
- » US Airways
- » Kraft Foods Inc.
- » Microsoft Corp.
- » Paramount Pictures Corp.
- » Shiel Sexton Company Inc.
- » Walt Disney Company
- » Hewlett-Packard Company



5-YEAR COMBINED BS/MS PROGRAMS

AVAILABLE

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POLY·TECH·NIC

[noun] 21st century: A college that uses innovative learning methods, real-world experiences, and industry partnerships to produce graduates uniquely qualified for technology-driven careers.



OUR GRADS ARE CAREER-READY

91%

EMPLOYED BY GRADUATION



INCREDIBLE

STUDY ABROAD

OPPORTUNITIES



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- » Walt Disney Company
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5-YEAR COMBINED BS/MS PROGRAMS

AVAILABLE

Explore Our Majors*

AERONAUTICAL ENGINEERING TECHNOLOGY ✈️ ⚙️
Combine animation and visual effects to create entertainment videos for television, film and gaming or instructional videos for education, health care, construction and human resources.

AEROSPACE FINANCIAL ANALYSIS ✈️ 🐾
Be part of a growing field as you help aerospace companies navigate through complex data and agreements to ensure sound financial footing.

AIRLINE MANAGEMENT AND OPERATIONS ✈️ 🐾
Explore the complex airline system while learning about the variety of business decisions that can affect success, such as staffing, maintenance and customer service.

AIRPORT MANAGEMENT AND OPERATIONS ✈️ 🐾
Delve into the intricacies of operating an airport while learning about the business decisions and federal regulations that can affect success.

ANIMATION AND VISUAL EFFECTS 🎬
Combine animation and visual effects to create entertainment videos for television, film and gaming or instructional videos for education, health care, construction and human resources.

AUDIO ENGINEERING TECHNOLOGY ⚙️
Combine the science of sound with electronics and audio technology hardware to manipulate and create audio experiences in a variety of settings and applications, including entertainment, automotive and manufacturing.

AUTOMATION AND SYSTEMS INTEGRATION ENGINEERING TECHNOLOGY ⚙️
Find better ways to manufacture products through the production process while ensuring efficient use of personnel and resources.

AVIATION MANAGEMENT ✈️ 🐾
Study the aviation industry as you prepare to manage an airport, lead a team of air traffic controllers, run a company or help set aviation policy.

BUILDING INFORMATION MODELING 🎬 🏠
Revolutionize the architecture, engineering and construction industry using information-rich models throughout the life of the structure.

*All Polytechnic majors are part of Bachelor of Science degree programs at Purdue University in West Lafayette, IN.



AVIATION



COMPUTING
AND GRAPHICS



CONSTRUCTION
MANAGEMENT



ENGINEERING
TECHNOLOGIES



TECHNOLOGY
EDUCATION



TECHNOLOGY
MANAGEMENT

COMPUTER ENGINEERING TECHNOLOGY 🎬 ⚙️
Devise and integrate microcomputer processing systems at the heart of information, communication, manufacturing, healthcare and transportation operations.

COMPUTER AND INFORMATION TECHNOLOGY 🎬
Apply computer, networking or database skills to solve challenges facing the internet, mobile technologies, cloud computing, cyber forensics and cybersecurity.

COMPUTING INFRASTRUCTURE AND NETWORK ENGINEERING TECHNOLOGY 🎬 ⚙️
Design, implement, maintain and secure data networks, clients, servers and other key information technology infrastructure components.

CONSTRUCTION MANAGEMENT TECHNOLOGY 🏠 🐾
Learn leadership and business management skills for construction, renovation or restoration projects. Prepare to be an effective executive, leader and partner to clients.

CYBERSECURITY 🎬
Gain expertise in designing, building, managing and investigating IT systems and infrastructures while analyzing security risks and vulnerabilities.

DATA ANALYTICS, TECHNOLOGIES AND APPLICATIONS (DATA) 🎬
Learn to leverage data and information for decision-making purposes. Develop strong foundations in statistical and machine learning techniques while learning to apply and evaluate analytics approaches, techniques and tools to solve real-world problems.

DATA VISUALIZATION 🎬
Learn the art and science of representing data-rich information in an interactive, visual format that enables users to understand, use, communicate and take action.

DESIGN AND CONSTRUCTION INTEGRATION 🎬 🏠
Incorporate architectural design as you learn construction management. As the project point person, you'll communicate buyers' ideas with builders' teams.

DIGITAL ENTERPRISE SYSTEMS 🎬
Enhance the design, manufacture, and marketing of products through 3D modeling, database management, simulations and renderings.

ELECTRICAL ENGINEERING TECHNOLOGY ⚙️
Develop your understanding of electricity and electronics to create or improve everyday products and create new, life-changing solutions.

ENERGY ENGINEERING TECHNOLOGY ⚙️
Design smart solutions that meet the critical needs of energy creation and efficient energy transmission to residential, commercial and industrial customers.

ENGINEERING-TECHNOLOGY TEACHER EDUCATION ⚙️ ✎️
Become an instrumental part of the next generation's career path as you learn to help K-12 students understand science, technology, engineering and math.

GAME DEVELOPMENT AND DESIGN 🎬
From education to entertainment, focus on new techniques and best practices to bring new worlds to life on a variety of platforms.

HUMAN RESOURCE DEVELOPMENT 🐾
Learn how to improve an organization by training and developing employees, improving employee engagement and performance, and assessing system effectiveness.

INDUSTRIAL ENGINEERING TECHNOLOGY 🐾 ⚙️
Improve quality and safety, streamline processes, cut costs and manage people in a variety of manufacturing and technical settings.

MECHANICAL ENGINEERING TECHNOLOGY ⚙️
Learn how to manage people, machines and production resources to operate effectively in a manufacturing environment.

MECHATRONICS ENGINEERING TECHNOLOGY ⚙️
Focus on the development of the electromechanical products that are everywhere in modern life.

ORGANIZATIONAL LEADERSHIP 🐾
Learn how to work as a leader in all levels of an organization in the context of technology and its applications as you help teams and companies achieve their goals.

PROFESSIONAL FLIGHT ✈️
Train to become a pilot as you gain a broader perspective of the aviation industry, from making decisions to understanding your aircraft.

ROBOTICS ENGINEERING TECHNOLOGY ⚙️
Understand and use the mechanical, electrical and software systems needed to make modern robots an integral part of our lives.

SMART MANUFACTURING INDUSTRIAL INFORMATICS 🎬
Use machine learning, cybersecurity, AI, industrial IoT, data science and mixed reality to manage manufacturing using industrial-grade equipment and processes.

SUPPLY CHAIN AND SALES ENGINEERING TECHNOLOGY 🐾 ⚙️
Manage the process that takes a product from manufacturers and suppliers to customers in global business environments.

SYSTEMS ANALYSIS AND DESIGN 🎬
Study how organizations use computer systems and procedures, and then design information systems solutions that help them operate more efficiently and effectively.

UNMANNED AERIAL SYSTEMS ✈️ 🐾
Examine the entire system surrounding the unmanned aerial industry, including design, operations, sensors, commerce, policy and creative uses for research.

UX DESIGN 🎬
Create meaningful, human-centered experiences by designing interactive computing environments.

WEB PROGRAMMING AND DESIGN 🎬
Learn the concepts and tools necessary to create dynamic, interactive and secure websites and mobile applications.

Polytechnic Student Profile*

27.2 3.63 1265

AVERAGE ACT SCORE AVERAGE GPA AVERAGE SAT SCORE

*Based on fall 2020 new beginners.

Polytechnic Payoff Stats*

91.4% \$60,858

PLACEMENT UPON GRADUATION AVERAGE STARTING SALARY

*May 2020 Graduating Class



FOR THE

WAY YOU LEARN

Purdue Polytechnic students learn by doing. Labs, research and group projects are all part of our hands-on process.

Bechtel Innovation Design Center provides a workspace for Purdue students to design and create projects, including senior capstones. Bechtel Center staff are available onsite to train students on how to safely use state-of-the-art equipment and create detailed prototypes.

Bechtel Center's design and prototyping studios, labs and open workspaces draw students together for short-term and multi-year activities. From CAD/CAM design to machining to 3D printing, Bechtel Center supports a wide range of projects, such as designing bridges, building solar and electric vehicles and robots, constructing energy-efficient home prototypes and creating accessible playgrounds.

Take your education experience to new heights!

- » See the world from the top of a building during a construction management technology internship.
- » Explore the technology of Europe, Asia, South America or Australia on a Globalization trip with your classmates.
- » Take to the skies and fly cross-country during the annual Air Race Classic.

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Go as far as you want! Your goals are up to you.



FOR THE

EXPERIENCES



FOR THE

PAYOFF

Helicopters. Virtual clean room. Scorpions. Twisty the Clown. It's been an interesting career for visual effects artist Evan Underwood, who graduated from Purdue with a computer graphics technology degree.

His work as part of the FuseFX visual effects studio team resulted in an Emmy Award for the company, which was founded by Purdue alumnus Dave Altenau. The team won for Outstanding Special Visual Effects in a Supporting Role for their work on "American Horror Story: Freak Show."

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"You have to utilize your professors and the resources provided. It is up to you to put in the effort outside of the classroom to develop your skills to the highest level, and the college provides every resource needed for that."

- Evan Underwood, Computer Graphics Technology