

# APPLIED & CREATIVE COMPUTING

INDUSTRY READY, DAY ONE



**PURDUE**  
UNIVERSITY®

Polytechnic Institute

Turn your passion for technology and creativity into a career that shapes the future. At Purdue Polytechnic's **School of Applied and Creative Computing**, you'll design immersive games, secure digital networks, analyze big data, and create next-generation experiences. Our hands-on, interdisciplinary programs blend technical skills with innovation, preparing you to tackle real-world challenges and stand out in a fast-changing digital world.

## PROGRAMS AND MAJORS

### B.S. COMPUTER GRAPHICS TECHNOLOGY

**Animation and Visual Effects:** Explore animation and visual effects through storytelling, digital modeling and advanced production techniques that prepare you for careers in film, gaming and related industries.

**Jobs:** 2D/3D/Character Animator, 3D/VFX artist, Technical Artist, Animation Director, VFX Supervisor, Technical Director

★ Ranked #8 nationally among public schools and colleges, according to the 2025 rankings by Animation Career Review.

**Game Development:** Specialize in one of four pillars of game development: Art, Design, Production or Programming, while collaborating on large-scale projects using industry-standard technologies and practices.

**Jobs:** Technical Artist, Gameplay Designer, Level Designer, Game Programmer, Producer, Environment Artist, Audio Designer, QA Analyst

★ Ranked #15 nationally in 2026 among public and private institutions, according to The Princeton Review.

**Themed Entertainment Design:** Design immersive attractions and experiences by combining storytelling, artistic vision and technical skills for theme parks, museums, hospitality, sports, retail and branded environments.

📍 Only offered at Purdue Indianapolis.

**Jobs:** 3D Artist/Animator, Concept Artist, UX/UI Designer, VR/AR World Builder, Project Manager, Graphic Designer

**UX Design:** Create intuitive digital experiences by combining human-centered research, design principles and technology while building skills in user research, prototyping and front-end development.

**Jobs:** User Experience Engineer, User Researcher, Front-End Developer, User Interface Designer

**Web Programming and Design:** Build websites and web applications while developing skills across coding, UX/UI design and web technologies. This program prepares students to create functional, engaging digital experiences and pursue diverse careers in web development and the broader digital world.

**Jobs:** User Interface Designer, Web Developer, Database Administrator, Web Architect

### B.S. CYBERSECURITY

**Cybersecurity:** Safeguard data, networks and enterprise systems while exploring network security, secure coding, cryptography and digital forensics, preparing for careers as Security Engineers and Incident Response Consultants.

📍 Also offered at Purdue Indianapolis

**Jobs:** Digital Security Consultant, Systems Security Engineer, IT Security Operator, Incident Response Consultant

★ Ranked #6 best cybersecurity undergraduate program according to 2025 U.S. News & World Report survey.

### B.S. DATA ANALYTICS, TECHNOLOGIES, AND APPLICATIONS

**Data Analytics, Technologies, and Applications:** Develop analytical curiosity and real-world problem-solving skills while building expertise in data analytics, database systems, machine learning and enterprise technologies, preparing students to translate complex data into actionable insights across a variety of industries.

**Jobs:** Data Engineer, Data Analyst, Database Administrator, Data Scientist

### B.S. COMPUTER AND INFORMATION TECHNOLOGY

**Computer and Information Technology:** Build skills in computer applications, network management and data security while developing the problem-solving and communication skills needed across diverse industries.

📍 Also offered at Purdue in Indianapolis

**Jobs:** Technical Support Analyst/Engineer, Business Analyst, Systems Analyst, IT Project Manager

**Computing Infrastructure and Network Engineering Technology:** Combine technical problem-solving with experience in network engineering, system administration, cloud environments and infrastructure security to support complex enterprise environments and emerging technologies.

**Jobs:** Cloud Infrastructure Engineer, Systems Administrator, Operations/Network Engineer, Cloud Security Engineer

# WHY CHOOSE APPLIED AND CREATIVE COMPUTING?

## INNOVATIVE CURRICULUM & RESEARCH

Our curriculum evolves with cutting-edge, high-impact, and multidisciplinary research, ensuring students stay ahead through the latest technology and trends.

Strong relationships with leading corporations provide opportunities for internships and post-graduation employment, setting our students up for success.

## INDUSTRY PARTNERSHIPS

With a 93% job placement rate, our graduates enter the workforce with confidence, backed by a strong foundation and industry connections.

## CAPSTONE EXPERIENCES

PREPARE YOU FOR SUCCESS

Multidisciplinary teams, guided by faculty, tackle real-world challenges leveraging their collective expertise.



*"Purdue Polytechnic supported my goals through mentorship, applied learning and leadership experiences that gave me the skills and confidence to pursue cybersecurity and secure a role with CrowdStrike."*

**AVERY O'NEILL**  
CYBERSECURITY  
ASSOCIATE ANALYST-  
CROWDSTRIKE

## GRADUATE PROGRAMS

**Doctor of Technology** (Online)

**Ph.D. in Computer and Information Technology**  
(Onsite in West Lafayette)

**Ph.D. in Technology**  
(Onsite in West Lafayette)

**M.S. in Computer and Information Technology**  
(Online and Onsite in West Lafayette and Indianapolis)

**M.S. in Computer Graphics Technology**  
(Onsite in West Lafayette, with concentrations in Games, Visualization, or UX)

**M.S. in Cybersecurity and Trusted Systems**  
(Onsite in Indianapolis)

**M.S. in Applied Geospatial Analytics**  
(Online)

**Grad. Cert. in Applied Data Analytics**  
(Online)

**Grad. Cert. in Managing Information Technology Projects**  
(Online)

**Grad. Cert. in Information Technology Business Analysis**  
(Online)



## More information



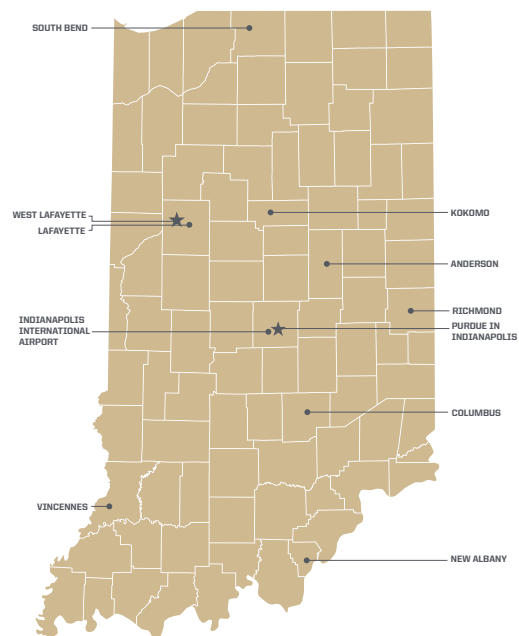
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**Purdue Polytechnic** is a leading academic college at a world-class university that embraces the connection of people of diverse backgrounds, experiences, and thoughts, and leverages innovative learning methods, real-world experiences, and industry partnerships to produce graduates uniquely qualified for technology-driven careers.

To further its mission, Purdue Polytechnic extends beyond its main campus in West Lafayette and Indianapolis, with nine strategically positioned locations throughout Indiana. These sites, tailored to their communities' needs, allow students to pursue technology careers while remaining locally connected. This network reflects Purdue's commitment to statewide educational excellence, offering diverse, real-world learning opportunities.

*\* Majors in the Bowen School of Construction are only offered in West Lafayette and Indianapolis.*



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