

AVIATION AND TRANSPORTATION TECHNOLOGY

INDUSTRY READY, DAY ONE



Aviation and Transportation Technology

At the forefront of aviation and technology, the **School of Aviation and Transportation Technology** propels students into the future by tackling the grand challenges of sustainability, safety, and quality. By blending rigorous academic programs with hands-on projects and industry-backed research, students are prepared to excel in a dynamic environment. The school's commitment to producing top-quality graduates is reflected in its strong partnerships with global industry leaders.



MAJORS

B.S. Aeronautical Engineering Technology: Explore aeronautic engineering, blending STEM skills and a passion for flight, with a focus on aerodynamics, design, maintenance, and CAD software proficiency.

Jobs: *Airframe Design Engineer, Logistics Engineer, Integration Engineer, Reliability Engineer*

B.S. Aviation Management: With a focus on aviation regulations, airport operations, and airline management, this program builds leadership and organizational skills. It's ideal for those aiming for roles in airport administration, aviation logistics, or air traffic control.

Jobs: *Airline Dispatcher, Airport Operations Director, Revenue Management Analyst*

B.S. Professional Flight: For those dreaming of a flying career, this program offers pilot training, flight simulator experience, and a deep dive into aviation safety and regulations. It's the perfect launchpad for careers as commercial pilots or in aviation management.

Jobs: *Flight Instructor, Executive Pilot, Airline Captain, Professional Pilot*



B.S. Unmanned Aerial Systems: Explore the cutting-edge field of UAS technology, mastering drone piloting, maintenance, and programming. This program is suited for those interested in diverse applications, from agriculture to emergency response, emphasizing safety and legal compliance.

Jobs: *UAV Pilot, Flight Operations Analyst, Test and Airworthiness Engineer, Geospatial Scientist*

Five-Year Combined BS-MS Degree Program:

Outstanding students can earn both degrees in five years by counting up to twelve credits of AT graduate courses toward both degrees. Minimum GPA and credit requirements apply.

Benefits: *Higher salary, access to higher level job positions, specialized knowledge, increased job security*

GRADUATE PROGRAMS

M.S. Aviation and Aerospace Management

(Onsite in West Lafayette or Online)

M.S. Technology

(Onsite in Indianapolis)

Certificate Aviation Safety Management (Onsite in West Lafayette or Online)

Certificate Aviation Financial Management (Onsite in West Lafayette or Online)

Certificate in Advanced Unmanned Aerial Systems (Online)

Ph.D. Aviation Technology and Management

(Onsite in West Lafayette or Online)

Ph.D. in Technology

(Onsite in West Lafayette or Online)

WHY CHOOSE AVIATION AND TRANSPORTATION TECHNOLOGY?

HIGH

PLACEMENT RATE

Graduates are virtually guaranteed a successful entry into the workforce, reflecting the school's commitment to student success and industry relevance.

ADDRESSING GRAND CHALLENGES

With an emphasis on safety, quality, and sustainability, the curriculum not only meets today's industry demands but also empowers students to be future leaders and innovators in aviation and transportation.

INDUSTRY RELEVANT EXPERIENCE

Students gain hands-on experience through industry-supported projects and internships, ensuring they are job-ready with practical skills highly valued in the aviation and technology sectors.



MADELINE ECKBERG

AVIATION MANAGEMENT

AIR TRAFFIC CONTROL SPECIALIST,
FEDERAL AVIATION ADMINISTRATION

"My time at Purdue gave me valuable real-world industry exposure through internships and interaction with aviation professions. My experiences gave me a better understanding of the working environment, and prepared me for the fast-paced, collaborative nature of the profession."



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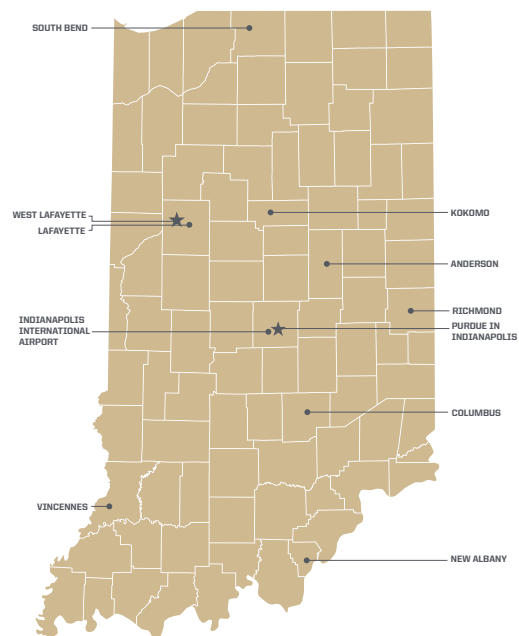




Purdue Polytechnic is a leading academic college at a world-class university that embraces the connection of people of diverse backgrounds, experiences, and thoughts, and leverages innovative learning methods, real-world experiences, and industry partnerships to produce graduates uniquely qualified for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



polytechnic.purdue.edu

Polytechnic Institute

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