Purdue University®
Fort Wayne

Graduate Studies
Master of Science in Technology
Warmest greetings on behalf of our faculty and staff at Purdue University Fort Wayne. The Master of Science in Technology degree program, offered by the School of Polytechnic at Purdue University Fort Wayne, is intended to prepare and develop professionals to perform and function as leaders and skilled technologists in industrial or educational environments.

In today’s rapidly changing business world, companies must innovate or be left behind. Easier said than done, because even the most valuable new ideas are often met with resistance. Innovation leaders and engineering technologists who understand this challenge and know how to evaluate, implement, and promote new ideas are in high demand—and you can be one of them.

Currently, there are two concentrations available in our master’s program including a) Master of Industrial Technology/Manufacturing and b) Master of Information Technology & Advanced Computer Applications.

Master of Industrial Technology/Manufacturing seeks to train Industrial Managers and Engineering Technologists to use a variety of optimization, modeling, simulation, decision making, data analytics, quality control, reliability, and advanced manufacturing methods to study, improve, and optimize processes in a wide range of manufacturing and service settings. Master of Information Technology & Advanced Computer Applications focuses on cloud computing technology, mobile computing systems, and web design.

In addition, our graduate program is designed in a way that offers flexible coursework and schedules to accommodate students who are employed and still want to pursue their master’s studies.

Feel free to contact me (elahib@pfw.edu) if you have any questions. We look forward to welcoming you to our university community.
SHARPEN YOUR SKILL AND ACHIEVE YOUR GOALS

The Master of Science in Technology prepares qualified students and working professionals to assume leadership positions and face the challenges of global technical competition. Creative projects are specifically designed for individual career needs. Graduates gain advanced knowledge and skills that are required to function effectively in a modern, international, and technical environment.

Choose from two tracks:
- Industrial Technology/Manufacturing
- Information Technology and Advanced Computer Applications

LEARN FROM DEDICATED, EXPERT FACULTY

Our program emphasizes the value of the practical application of knowledge and skills. Not only will you examine the concepts, theories, and research of the discipline, you will learn to apply them.

Faculty research areas include:
- Information Technology
- Materials Engineering
- Mechanical
- Design of Mechanical Elements
- Advanced Network
- Power Energy
- Industrial Engineering Technology
- Construction
- Network Security

“The reason why I chose Purdue University Fort Wayne is that my teachers always said that it is a great school to attend. My friends also study there, and they gave me some recommendations about the school. I applied to Purdue University Fort Wayne because it is highly ranked.”

- M.S. in Technology Graduate

THE PURDUE FORT WAYNE DIFFERENCE

Stand out with a graduate degree that enhances your qualifications through:
- Small class sizes
- Personal attention from dedicated faculty
- Course offerings designed for working adults

CAREER PATHWAYS

- Industrial Manager
- Industrial Engineer
- Data Analyst
- Data Scientist
- Program Manager
- Manufacturing Engineer
- Facility Manager
- Quality Engineer
- Process Manager
- Component Engineer
- Engineering Manager
- Systems Engineer
- Quality Control Engineer
- Cloud Systems Engineer
- Cloud Product and Project Manager
- Cloud Services Developer
- Cloud Software and and Network Engineer
COURSES

MASTER OF SCIENCE IN TECHNOLOGY REQUIREMENTS (33 CREDIT HOURS)

The Master of Science in Technology program prepares graduates for leadership roles in their professional field in system improvement and implementation and to address technical and managerial issues through applied research projects. Students have the opportunity to specialize their degree with one of two tracks:

- Industrial Technology/Manufacturing
- Information Technology/Advanced Computer Applications

COURSE OF STUDY

The course of study requires completion of 33 credit hours with the following components:

- Core requirements
- Areas of specialty courses and approved electives
- Directed project

The core requirements consist of 9 credit hours that provide fundamental techniques and principles to guide the student’s research throughout the program.

Students should focus on an area of concentration that best reflects their own interests and career aspirations.

MS IN TECHNOLOGY CORE REQUIREMENTS (9 CREDIT HOURS)

IT 50700 Measurement and Evaluation in Industry and Technology (3 credits)
IT 50800 Quality and Productivity in Industry and Technology (3 credits)
TECH 64600 Analysis of Research in Industry and Technology (3 credits)

AREAS OF SPECIALTY (12 CREDIT HOURS OR MORE)

Area of specialty courses depend on which track the student selects.

- Industrial Technology/Manufacturing
- Information Technology/Advanced Computer Applications

INDUSTRIAL TECHNOLOGY/MANUFACTURING TRACK (12 CREDIT HOURS OR MORE)

TECH 54000 Reliability and Maintenance (3 credits)
TECH 56100 Industrial Projects Management and Control (3 credits)
TECH 59500 Workshop in Advanced Technology (0-8 credits)
IT 59000 Special Problems in Industrial Technology (1-6 credits)
CPET 57500 Management of Technology (3 credits)
INFORMATION TECHNOLOGY/ADVANCED COMPUTER APPLICATIONS
(12 CREDIT HOURS)
CPET 56500 Mobile Computing Systems (3 credits)
CPET 57500 Management of Technology (3 credits)
CPET 58100 Workshop in Computer Engineering Technology (3 credits)
CPET 59000 Special Problems in IT and Advanced Computer Applications (1-6 credits)
ECET 59000 Special Problems in Electrical and Computer Engineering Technology (1-6 credits)
TECH 56100 Industrial Projects Management and Control (3 credits)

TECHNICAL/LEADERSHIP ELECTIVES (9 CREDIT HOURS)
Students will work with their faculty advisor to develop an individual plan of study that outlines specific courses needed to complete the degree requirements.

DIRECTED PROJECT (3 CREDIT HOURS)
The M.S. directed project provides a technology specialization supervised experience through which the student will apply the knowledge and skills acquired from the Master of Science in Technology program. This project is completed in two phases:

- Phase I (1 credit hour) includes developing and defending the proposal.
- Phase II (2 credit hours) includes project implementation, documentation and final oral defense.

It is common that students complete the second phase in more than one semester, depending on the nature of the project and its depth.

ACADEMIC REGULATIONS

Transfer Credit
With the approval of the Director of Graduate Studies, students may transfer up to 6 graduate credit hours of appropriate course work with grades of a B (3.00) or better earned at other accredited institutions. No more than 12 graduate credits completed as a non-degree student will be counted toward the degree.

Academic Probation
Students are placed on probation and are so notified whenever their cumulative GPA is less than 3.0. Unless the GPA is increased to a 3.0 during the next semester of enrollment, a student will not ordinarily be allowed to continue as a degree candidate. Only courses with grades of C (2.0) or better are counted for degree requirements; however, grades below C are used in computing the cumulative GPA, even if a course is repeated and a higher grade is earned.
APPLICATION DEADLINES

1. Application: To begin your application create an account through the portal at pfw.edu/grad-apply. Applicants can make and save changes before submitting by logging in with the username and password used to create the account.

2. Application Fee: The Graduate School application fee is $60 (U.S. dollars) for domestic applicants and $75 (U.S. dollars) for international applicants. Your application will not be processed until your nonrefundable application fee has been paid.

3. Transcripts: Through the application portal, you must upload transcript(s) and/or academic document(s) for every institution of higher education you attended regardless of whether or not a degree was received. If a degree was received then it must be printed on the transcripts. If no degree conferral is printed on the transcripts then a copy of the original diploma (degree certificate) is needed. If the documents are not in English, you must upload an English translation certified by the college or university that issued it. For those who have completed degrees in the People's Republic of China, you will also be required to submit the Graduation Certificate.

4. Statement of Purpose (Essay): The statement of purpose should be 300-500 words concerning your purpose for undertaking or continuing graduate study, your reasons for wanting to study at Purdue Fort Wayne, and your research interests, professional plans, and career goals. You also may explain any special circumstances applicable to your background and elaborate on your scholarly publications, awards, achievements, abilities, and/or professional history.

5. Recommendations: Submit names of three individuals who are qualified to evaluate your academic or on-the-job performance who can attest to your ability to pursue a graduate degree. In the online application to the Purdue Graduate School, once you click “Send to Recommender,” each individual will receive an email with instructions for submitting their recommendation online. Once submitted, the graduate program to which you applied will have access to view your recommendation(s).

OFFICIAL TRANSCRIPTS

You must provide official transcripts and/or academic records at the request of the graduate program or if you are admitted and choose to enroll. An official transcript bears the original signature of the registrar and/or the original seal of the issuing institution. An unofficial transcript printed from your current/previous institution(s) student system is not an acceptable document. Official documents should be submitted to:

Purdue University Fort Wayne
Office of Graduate Studies
2101 E Coliseum Blvd., KT 140
Fort Wayne, IN 46805

Domestic transcripts must be mailed directly from a Registrar's office to the Office of Graduate Admissions. (You can choose to send the transcripts yourself, but the transcripts must be in an envelope sealed by the Registrar).
All international applicants must also submit the following items to be considered for admission:

1. **English Proficiency Scores:**
   - **TOEFL for Non-Native English Speakers**
     - Minimum Paper-Delivered Test - no overall score reported with the following minimum section requirements:
       - Reading: 19
       - Writing: 18
       - Listening: 14
     - Minimum Internet-Based Test (IBT) Overall Score: 80 with the following minimum section requirements:
       - Reading: 19
       - Speaking: 18
       - Listening: 14
       - Writing: 18
   - **IELTS (Academic Module):** An alternative to the TOEFL, overall band score of 6.5 or higher with minimum section requirements:
     - Reading: 6.5
     - Listening: 6.0
     - Speaking: 6.0
     - Writing: 5.5
   - **ELS - Certificate Level 112**
     - Routine waivers of an English Proficiency exam are granted for applicants who have been conferred a baccalaureate or graduate or professional degree within the last 24 months from an institution where English is the primary language of instruction in a country/location where English is the native language.

2. **Transcript Evaluation**
   - International Applicants must submit original and certified copies for every institution of higher education attended. All documents must be submitted in both English and in the original language. All candidates must hold a four-year undergraduate degree or equivalent in any discipline from a recognized institution.

3. **Proof of Financial Support**
   - An official letter and financial statement from a bank, company, or government sponsor indicating the availability of sufficient funds to pay for your tuition and living expenses is required.

4. **Visa and/or Permanent Resident Card (PRC)**