

# **BS in Mechanical Engineering**

# **BS in Electrical Engineering**

# **BS in Computer Engineering**

**2 + 2**



## **About Binghamton University**

Binghamton University - SUNY is a public institution that was founded in 1946. It has a total undergraduate enrollment of about 14000, its setting is suburban with the campus size of about 930 acres. The university is located in Vestal, N.Y., a suburb of Binghamton. The campus includes a nature preserve, complete with a forest and pond where students can hike, bike and run around.

### **About PSGIAS**

PSG Institute of Advanced Studies was set up by PSG & Sons' charities in 2006 and offers International Education through Credit Transfer Programs. Both Under Graduate and Post Graduate courses are offered in Engineering, Business Management and International Business.

### **Program Objectives**

These are 4 years degree programs with 2 years of study at PSGIAS and the balance 2 years at Binghamton University to get International degree with international exposure with opportunities to work abroad.

## 1 . BS in Mechanical Engineering

Mechanical engineers (ME) design and analyze manufacturing plants, industrial equipment and machinery, heating and cooling systems, motor vehicles, aircraft, watercraft, robotics, medical devices and more. The Watson School ME curriculum offers a balance among theory, design and laboratory experience, and provides excellent preparation for the many ME career paths or for graduate studies.

### After Graduation

The Watson Career and Alumni Connections office provides tailored tools and guidance to transform students' engineering background into a career they are passionate about. They provide career advice, interviewing help, and résumé and cover letter review via walk-in hours, appointment or e-mail.

Graduates go on to find employment in:

- aerospace engineering
- architectural design
- automotive engineering
- city planning
- energy (fossil fuels, renewables)
- environmental impact assessment
- information technology
- manufacturing
- marine engineering / ship design
- product design (medical and commercial)
- research and development

## BS in Electrical Engineering

Electrical engineering is one of the broadest and largest engineering disciplines. This program develops electrical engineers work in the areas of design, analysis and application of electrical / electronic components, circuits and systems and also focusses on the analysis, design and application of information processing systems such as communication systems, medical imaging and military sensors.

### After Graduation

Electrical engineering degree students can land a job in a variety of industries. Many electrical engineers work in areas focused on the analysis, design and application of electronic and electrical components, circuits and systems.

The students can find the work of electrical engineers in cars, computers and power plants.

Students who graduate from the electrical engineering program can also to pursue their masters or PhD in electrical engineering or other engineering disciplines.

## **BS in Computer Engineering**

Computer engineering provides students with high-level skills in mathematics, science and engineering. Computer engineers serve as a bridge between electrical engineering and computer science, focusing primarily on the design of computers.

The scope of products and systems containing computer technology is ever-expanding, ranging from small, embedded computers in consumer electronics, appliances and automobiles to complex, computer-based systems controlling power generation, manufacturing and telecommunications systems. The role of the computer engineer includes design, analysis and implementation of computing technology as well as its integration into devices and systems that use computers.

## **After Graduation**

Students go on to work in many industries, including in the aerospace, automobile, computer, defense, electronics, information technology, consulting and telecommunications fields. Others pursue advanced degrees in computer engineering, computer science, electrical engineering or other engineering disciplines.

## **Eligibility**

A good academic record in the plus 2 examinations with Mathematics, Physics and Chemistry

## **Selection Process**

Applicants with bright academic credential may be given direct admission. Other short listed candidates will be called for interview / entrance test. Admitted candidates must get fluency in English Language and clear TOEFL with a test score of more than 80 / 120 before travelling to Binghamton University





## Student Accommodation

Both on campus and off campus accommodation are available as per the student's choice. At Binghamton University, residential life fosters a sense of community and pride. Binghamton offers five unique living communities for freshmen, each with its own culture, traditions, student government, dining hall, quad and recreational facilities, so you'll never have to go far to grab a bite to eat, play volleyball with friends or find a faculty or staff member to answer your questions.

## Student life

Part of college is building friendships while having fun and we know how to do it right here at Binghamton University! Our students are provided with a variety of options that promote an active and healthy lifestyle on campus. With so many events, music and theater performances, clubs, activities and nightlife on campus, Binghamton puts the life in campus life! There's something for everyone! Binghamton is a residential school where students develop close friendships that shape their experiences and memories. And don't forget the food! Sushi, Kosher, gluten-free, vegan, smoothies, tacos, midnight pizza – our residential dining halls have reinvented college food.

## Campus Safety

The safety of our students and the entire campus community is of the highest priority at Binghamton University, and we have developed comprehensive programs and procedures to help every member of the University community remain safe. Our safety efforts touch all facets of our students' daily lives, whether in a residence hall, classroom, dining facility, office or out and about on campus.

**Website: [binghamton.edu](http://binghamton.edu)**

---

Apply online: **[www.psgias.net](http://www.psgias.net)**

---

**BINGHAMTON**  
UNIVERSITY  
STATE UNIVERSITY OF NEW YORK

 **PSG**  
INSTITUTE OF ADVANCED STUDIES  
*Research to Business*

**PSG Institute of Advanced Studies**

Peelamedu, Coimbatore - 641 004.

Ph: 0422 434 4148, +91 99524 00751 | [www.psgias.ac.in](http://www.psgias.ac.in)