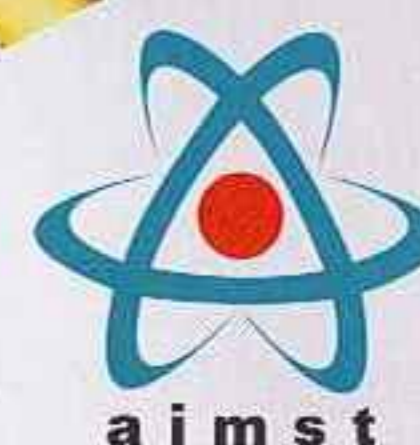


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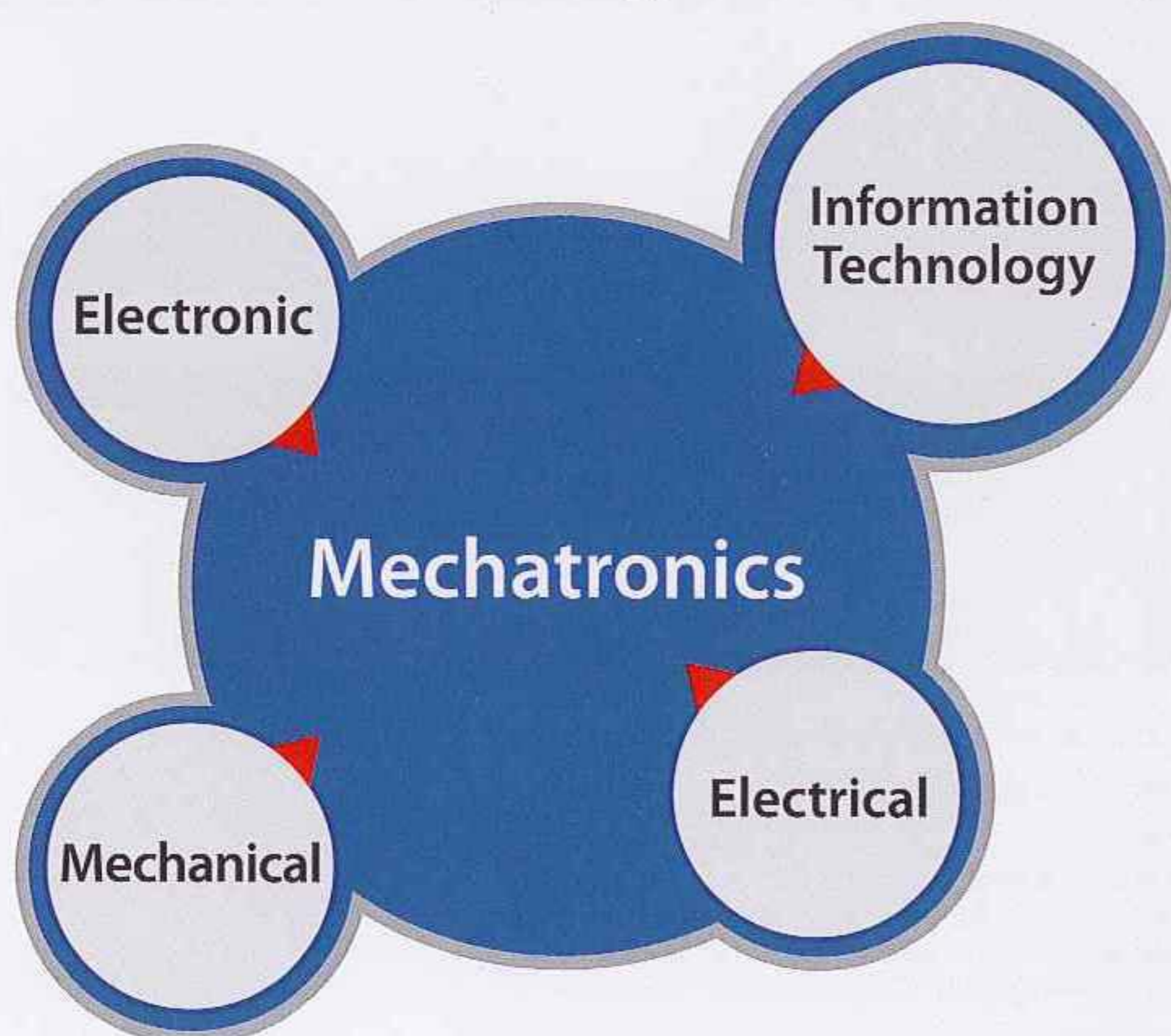
**AIMST UNIVERSITY**

Educating Tomorrow's Leaders

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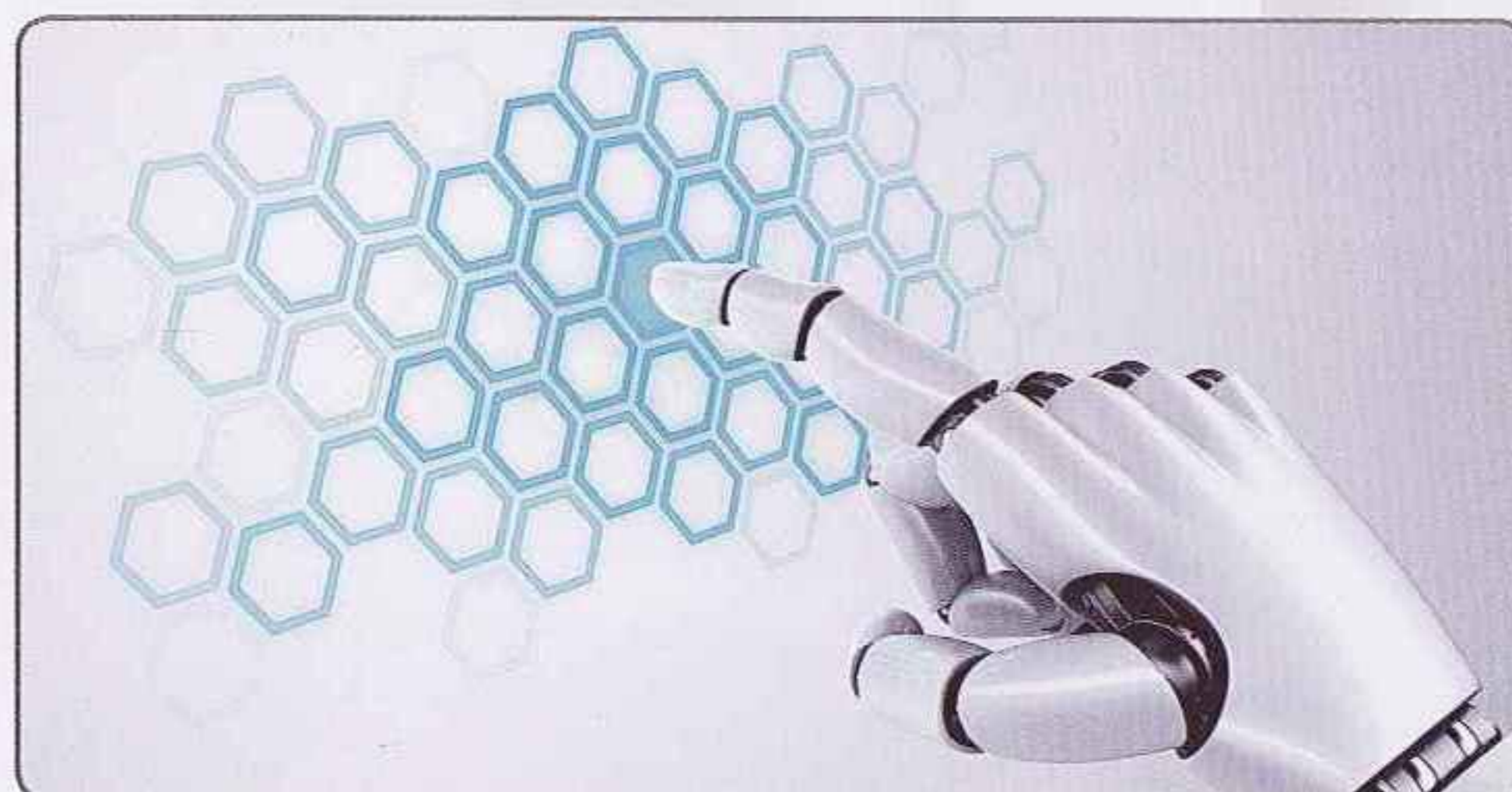
# Diploma in Mechatronics Engineering

The word 'mechatronics' emerged in Japan in the 1980s as the core engineering discipline associated with robots and automation. Mechatronics Engineering is the engineering discipline concerned with the research, design, implementation and maintenance of intelligent engineered products and processes enabled by the integration of mechanical, electrical, electronic engineering and information technology.



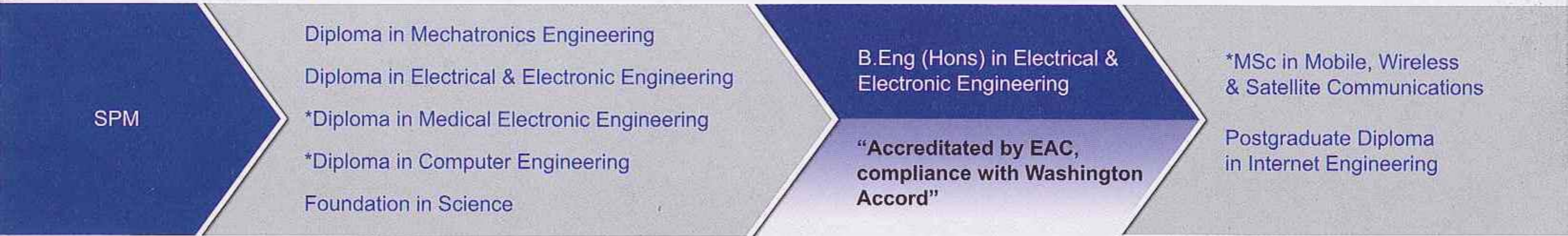
## Objective

To produce diploma holders in Mechatronics Engineering who have acquired sufficient knowledge and competency in mechatronics engineering with the utmost technical knowledge and ethics. This programme prepares students for the job market by equipping them with knowledge and skills in the latest technology. This programme prepares students to work in Malaysia or abroad. Diploma holders in Mechatronics Engineering can continue their studies into a degree programme offered by AIMST University.





# Study Pathway



\* New programme to be launched

## Diploma in Mechatronics Engineering

### Entry Requirements

- SPM Certificate or equivalent with credits in 3 subjects including Mathematics and one subject related to science/technical studies/vocational studies and a pass in English.
- STPM Certificate or equivalent with a pass in Mathematics, English and pass one subject related to science/technical studies/vocational studies at SPM level.
- Certificate in Engineering/Engineering Technology that is recognized or equivalent.
- Certificate programme in Engineering/Engineering Technology in a related field offered by Higher Education Provider or recognized by the Malaysian Government with a CGPA  $\geq 2.5$ .
- Certificate in Vocational/Technical/Malaysian Skills Certificate Level 3 in a related field that is recognized or equivalent to one year of working experience in a related field or minimum 1 semester of a bridging programme and a pass in the SPM with at least 1 credit.
- Other equivalent qualification that is recognized by the Malaysian Government.

### Career Opportunities

Diploma holders with Mechatronics Engineering can be employed as Technicians/Assistant Engineers/Engineers in the following areas:

- Automation
- CAD/CAM
- Aerospace
- Manufacturing/Product
- Research & Development
- Software

### Application Procedure

The Application Form can be downloaded from: [www.aimst.edu.my](http://www.aimst.edu.my)

Completed application forms should be accompanied by:

- 3 passport size photographs (8 for international applications)
- 1 certified true copy of Identity Card
- Non-refundable processing fee of RM100.00 (USD 150 for international applicants) made Payable to "AIMST SDN BHD REV ACCOUNT" in the form of bank draft/postal order/money order
- Certified true copy of academic transcript or other relevant results

### Duration

Full Time: Min 2 ½ Years | Part Time: Min 4 ½ Years

## Programme Structure

Students need to complete 90 credits which include a Final Year Project and Industrial Training.

### Courses (90 credit hours)

Mathematics
Introduction to Computer Programming
Basic Electronics
Engineering Mechanics
Engineering Mechanics of Solids
Electrical Circuits
Workshop Technology
Engineering Economics & Accounting
Analog & Digital Electronics
Engineering Materials
Engineering Drawing
Thermofluids
Microprocessor & Microcontroller
Industrial Management, Safety and Ethics
Instrumentation & Control Systems
Basic Electrical Machines & Drives
Advanced CAD Techniques
Mechatronics Systems
Industrial Automation and Control
Robotics and Auto Electronics
Industrial Electronics*
Manufacturing Technology*
Fundamental of CNC Technology*
Machine Design*
Hydraulics and Pneumatics*

\*Elective Course  
Note: Compulsory language and other University courses are not listed

100% employability rate for graduates from AIMST Faculty of Engineering & Computer Technology

## Student Support Services (Available on campus)

- Cafeteria
- Career advancement seminars
- Student activities and recreation
- Accommodation facilities
- Student counseling
- Financial aid
- Disability support
- International services
- Health clinic



For further information on courses and registration procedure, please contact:

### Student Recruitment Division

#### Campus

**AIMST University**  
Semeling, 08100 Bedong, Kedah Darul Aman, Malaysia.  
D/L: (6) 04-429 8108/8180 G/L: (6) 04-429 8000  
F: (6) 04-429 8009 E: [choose@aimst.edu.my](mailto:choose@aimst.edu.my)



[www.aimst.edu.my](http://www.aimst.edu.my)



AIMST University



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