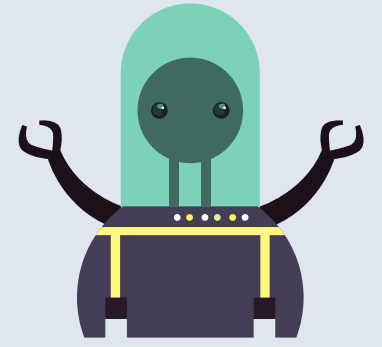


Automation Engineering



Curriculum Name Bachelor of Engineering Program in Automation Engineering (International Program)

Entrance Requirements

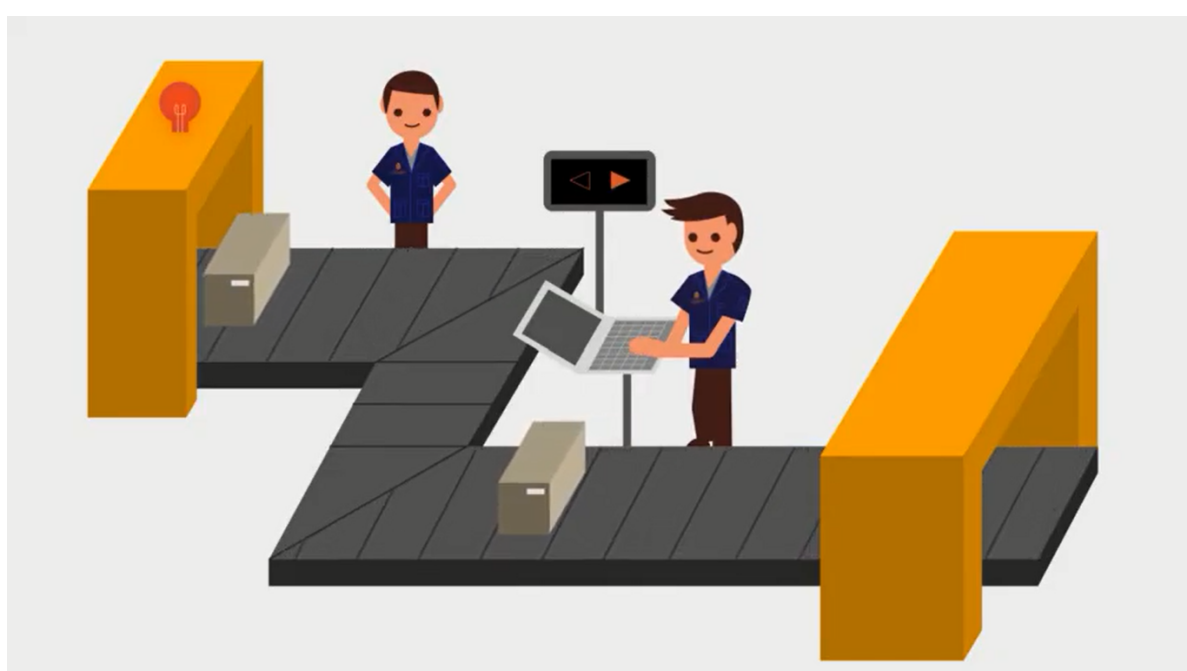
- Hold a K-12 degree (high school Matthayom 6) equivalency
- Foreign students who have their native language that is not English must provide an English standard test result.

Quality Assurance

- Program is certified by AUN-QA standard every year
- Major revision according technology change every 5 years

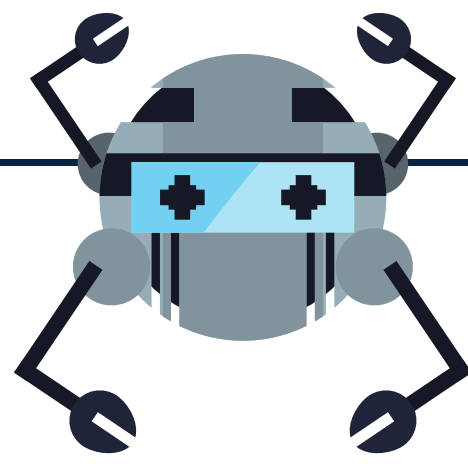
Program Learning Outcomes

- PLO-1 Implement industrial informatics system
- PLO-2 Analyze and select appropriate automation systems according to ISA 95 standard (Level 2: Automation, Level 3: IT for manufacturing, Level 4: IT for organization)
- PLO-3 Self-learning from various sources
- PLO-4 Work with others from interdisciplinary fields
- PLO-5 Make a reasonable decision according to ethical and moral norm



Future Occupation

- Automation Engineer
- Automation System Analyst
- Engineer in high-tech factories
- Programmer of Industrial Informatics



Curriculum Structure

- Total of 146 credits which consist of
- General study 31 credits
- Skill Proficiency 109 credits according to each field as follows
 - Science and Math 16 credits
 - Basic engineering 8 credits
 - Computer engineering 6 credits
 - Automation engineering 73 credits
 - Automation elective 6 credits
- Free elective

Program Highlight

Automation engineering integrates the knowledge of computer engineering, electrical engineering, accounting and management together for designing and operating modern factories. Students will understand the whole operation of digital factories from ground up to the management level. The program teaches high-tech technologies in automation that is used in real factories such as MES, ERP. Students can work on these systems right away, which is used by all mid-size and large-size companies. Also, students can implement these technologies on a small-size business, which will transform into an automated factory, which can be totally controlled by computers and use less human labor.

Contact

- Department of control systems and instrumentation engineering
King Mongkut's University of Technology Thonburi
- Tel. (66)-2-470-9096
- <https://inc.kmutt.ac.th/automation/page/en>



Update: March 11 2020/ Curriculum update 2020