

Intelligent Electronics and Electrical Systems Engineering

Program Highlight



Dual Degrees from Two Top-Tier Universities

Earn degrees from both universities. KMUTT is Thailand's number 1 Science & Technology University. Queen Mary University of London is UK's top-tier research university, a member of the prestigious Russell Group.



Expert Faculty

Delivered by experts from both universities. Core modules taught by Queen Mary faculty onsite at KMUTT.



Complete Data-to-AI

Covers the full lifecycle - from data foundations to AI modeling with real-world deployment.



Active, Hands-on Learning

Focused on practical experience through labs, major projects, and an internship.

Career Opportunities

- Electrical Engineer
- Semiconductor Engineer
- Telecommunication Engineer
- Service Engineer
- Sales Engineer

Qualifications of Prospective Students

- Education: High School Diploma or equivalent (eg., M.6 / GED / IB / A-Levels)
- GPA: 2.75 or higher (or admission criteria)
- English: CEFR B1 or higher (or equivalent)
- Demonstrate strong analytical, creative, and international readiness

Expected Learning Outcomes

- Identify, formulate, and solve complex electrical and electronic engineering problems using engineering, science, and mathematics.
- Design engineering solutions that meet requirements while considering safety, welfare, culture, society, the environment, the economy, and the global context.
- Communicate effectively with diverse audiences.
- Recognize ethical and professional responsibilities and assess the wider impacts of engineering solutions.
- Work effectively as a team member or leader by creating an inclusive environment, setting goals, planning tasks, and achieving objectives.
- Conduct appropriate experiments, analyze and interpret data, and use engineering judgment to draw valid conclusions.

Curriculum / Credits

Total number of credits in the program : 131 credits

Course Category	Credits
General Education	27
Specific Courses	98
• Basic Science and Mathematics	18
• Compulsory courses	74
• Elective courses	18
Free Electives	6
Total	131

Tuition Fee

Tuition Fee (Baht)	Per Semester	Per Year
Tuition Fee (flat rate)	225,000	450,000
Total Tuition Fee		1,800,000

Faculty of Engineering

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