

Master of Engineering/Master of Science Program in
Sustainable Energy Systems (International Program)
หลักสูตรวิศวกรรมศาสตรมหาบัณฑิต/วิทยาศาสตรมหาบัณฑิต
สาขาวิชาระบบพลังงานที่ยั่งยืน (หลักสูตรนานาชาติ)

Plan 1 (Thesis 20 credits)

Foundation Courses	11 credits
Specialization Compulsory Courses	6 credits
Elective Courses	3 credits
Thesis	20 credits
English Courses	- credit

Plan 1 (Thesis 12 credits)

Foundation Courses	11 credits
Specialization Compulsory Courses	6 credits
Elective Courses	3 credits
Thesis	12 credits
Internship	8 credits
English Courses	- credit

Expected Knowledge

- (1) Knowledge:
 - ☐ Technology literacy
 - ☐ Problem solving and consultancy, Novel technology development
- (2) Skills:
 - ☐ Critical thinking and Creativity
 - ☐ Digital skill
- (3) Ethics:
 - ☐ Responsible conduct of research
 - ☐ Environmental responsibility
- (4) Character:
 - ☐ Team working, Entrepreneurship, Life-long learning

Career

- Academic and researcher in energy
- Energy analyst
- Energy manager
- Project manager
- Senior energy engineer e.g. in power plant design, HVAC system design, transmission planning, etc.
- System Integrator in energy industry
- Energy scientist
- Energy consultant
- Energy data/information administrator
- Senior officer/scientist in government agencies (including international agencies and companies): policy-making, policy analysis, policy research, planning, regulatory affairs, etc.
- Energy entrepreneurs
- Data/system analyst in energy

PLO 1: Graduates have a broad knowledge on sustainable energy systems, conventional and renewable energy sources and conversion technologies, as well as technical, economical, and environmentally related consequences for different systems.

PLO 2: Graduates can analyze, formulate, and handle technical and non-technical problems from a system perspective, from ideas to problem definition, development, problem solving and realization.

PLO 3: Graduates have the capacity to undertake research and contribute to the development of academic or professional skills.

PLO 4: Graduates can make informed judgments in the selected field of specialization through the exercise of personal responsibility and autonomous initiative/actions.

PLO 5: Graduates are able to communicate ideas, issues, and conclusions through written and oral forms of communication using English as the medium.

Tuition Plan/Person (Plan A2-1 and Plan A2-2)

Tuition Fee	40,000 baht/person/semester	80,000	baht/year
Credit fee	60,000 baht (4,000 baht/credit)	120,000	baht/year
Expenditures throughout the programme (36 credits 4 semesters)		304,000	baht

CONTACT

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