

**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**

Academic Service Section

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