Solar Energy Engineering and Commercialization, PSM

Program Description

Degree Awarded: PSM Solar Energy Engineering and Commercialization
The PSM program in solar energy engineering and commercialization offers advanced, interdisciplinary education in solar energy to students with backgrounds in science, technology, engineering or mathematics. The objective of the program is to enable graduates to pursue careers that involve solar energy and its utilization, in industry, government or the nonprofit sector.

Students in the program must select courses from technical and nontechnical tracks, including solar energy policy, spanning a number of academic programs and schools. Opportunities exist for engagement with the solar energy industry or government policymakers, leading to a required applied research project that culminates the program.

The degree program is meant to be completed in 12 months by full-time students.

At a Glance

- College/School: Ira A. Fulton Schools of Engineering
- Location: Tempe campus

Accelerated Program Options

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Engineering (Electrical Systems), BSE
Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

Degree Requirements

30 credit hours including the required applied project course (SEC 593)

Required Core (9 credit hours)

- HSD 512 Solar Energy Policy Workshop (2)
- SEC 501 Solar Engineering and Commercialization I (3)
- SEC 510 Solar Energy and Policy (1)
- SEC 588 Solar Energy Colloquium (3)

Electives (15 credit hours)

Culminating Experience (6 credit hours)

- SEC 593 Applied Project (6)

Additional Curriculum Information

Of the electives, six credit hours must be selected from the list of technical courses and six credit hours must be selected from the list of nontechnical courses. An additional three credit hours are required and can be selected from either the technical or nontechnical course list. Students should see the academic unit for the approved course lists.

Admission Requirements

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in a field such as science, technology, engineering and mathematics from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:
1. graduate admission application and application fee
2. official transcripts from each institution from which a degree was earned
3. general GRE
4. three letters of recommendation
5. personal statement
6. proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Other details regarding English proficiency requirements are described on the ASU admissions website at https://admission.asu.edu/international/graduate/english-proficiency.

Application Deadlines

Fall
Spring

Career Opportunities
Professionals with this Professional Science Master's degree can find employment in solar energy and commercialization in the residential, commercial and utility sectors. The skills learned in this degree prepares graduates for a career as a project manager or practicing engineer.

Career examples include:

- engineer
- field engineer
- field lead
- field project manager
- project lead
- project manager

Contact Information
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