Solar container science and engineering undergraduate course setting

What can I do with a degree in photovoltaics & solar energy?
A unique feature of this degree is that in Year 2, you can select a strand to complement your education in Photovoltaics and Solar Energy. The strands available cover areas such as computing, electronics, mathematics, mechanical engineering, civil engineering, physics, chemical engineering, and architecture.

What is solar energy research & education?
Our research and education in this area focus on increasing the performance of solar cells by developing new materials and structures and designing cheaper methods of manufacturing solar panels. We also do research in PV systems and solar fuels. The following research groups offer graduation projects in the Solar Energy profile:

How do I get a major in Energy & Environmental Engineering?
Students who have decided to pursue a major in Energy and Environmental Engineering may apply to the Department directly. After spending one to a few semesters of study in the Department,students will declare a major in Energy and Environmental Engineering,Bioengineering,or Chemical Engineering.

What interdisciplinary topics are covered in the environmental engineering curriculum?
The curriculum exposes students to interdisciplinary areas such as process design, materials science, environmental engineering, renewable energy technologies, and principles related to environmental, social, and governance (ESG).

What makes UNSW a great school for photovoltaic research?
UNSW academics in the photovoltaic field have been consistently ranked amongst global academic leaders through peer review. Our research has produced world record solar cells for a range of materials and technologies - including silicon,perovskite,CZTS and concentrating photovoltaics.

What can I do with a degree in solar technology?
Gain hands-on experience working with solar energy devices, modules and systems. Explore areas such as technology development, manufacturing, system design and life-cycle analysis all of which are essential to forge a career in a more sustainable future.

This paper presents the results of a four days (or 30h) undergraduate engineering lab course using basic equipment (without major adaptions such as inert gas techniques) on the preparation and ...

We focus on educating two types of engineering talents: the academic talents who have solid science foundation in research, interdisciplinary perspective and experience, and good humanistic...

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Suggested Courses: (1) ENG EK 408 and (2) ENG EC 471 or consent of the instructor before registering for the course. The course is designed for the first-year graduate and senior undergraduate students ...

The Engineering Cluster Program is a new undergraduate international program designed to combine the strengths of engineering-related fields at SJTU. Offering all major courses in English or French, ...

The curriculum exposes students to interdisciplinary areas such as process design, materials science, environmental engineering, renewable energy technologies, and principles related to environmental, ...

Home Curriculum Undergraduate Programmes Course List Major Elective Courses EEEN4020/ ENER4020 Solar Energy and Photovoltaic Technology [Group B Elective] Home Go Back

Discipline fields: Engineering Code:08 Category: Food Science and Engineering Code:0827 Professional name:Food Science and Engineering Major Code:082701 1. Training objectives of ...

It combines the traditional training of physics and materials science with modern element of biological engineering, photochemistry and electrochemistry. Apart from new energy courses, Basic Circuit ...