

A photograph of two male students in a laboratory setting. They are both wearing white lab coats and safety glasses. The student on the right is wearing blue gloves and holding a small vial. The background shows laboratory equipment and shelves. There are decorative circular patterns in the top corners: a blue one on the top left and a yellow one on the top right.

UC San Diego

JACOBS SCHOOL OF ENGINEERING
Shu Chien-Gene Lay Department of Bioengineering

M.ENG. INTERNSHIP IN INDUSTRY

Course Requirement for Internship:

BENG 295

Summary:

The Master of Engineering (M.Eng.) program is designed for each student to select their own coursework from a list of available options to help prepare them for a leadership role (technical or non-technical) in the private sector or government. One of the most significant components of this professional preparation is the BENG 295 Internship component of the degree. Students in the program seek an internship in industry, a medical organization, or government. Students will be seeing first-hand some of the skills and attributes needed by today's bioengineering leaders. These skills and attributes include ethics, professionalism, written and oral communication, regulatory compliance, and reimbursement considerations, in addition to the technical expertise students acquire in their coursework.

What to Expect:

The BENG 295 Internship requires the student to initiate conversations with engineering professionals in private industry, in a medical school/research organization, or local government with the objective of securing a project agreement that aligns with their interests and the employer's. The internship must employ engineering quantitative and analytical methods. This is both an exciting and challenging prospect.

The Bioengineering Department will provide advice on securing a project. Once a student's project is defined and academic credit is approved, the M.Eng. students will enroll in BENG 295. At the completion of their project, the student will provide an oral and written report which displays mastery of the principles acquired during the M.Eng. project. A written report will be submitted by the student towards the end of the internship, and a presentation will be given to the employer and the Faculty Advisor. Thanks in part to the BENG295 experience, the program has recently seen near 100% job placement in the biomedical/biotech industry.

Pre-requisites:

M.Eng. Admission

Schedule:

BENG 295 (in either Fall, Winter, or Spring)

FAQs:

When can I complete the BENG 295 Internship requirement?

Students can complete their internship requirement in Fall, Winter, or Spring. Summer may also be a potential option.

Can I complete more than one internship?

Students may have up to two quarters of BENG 295 approved to count towards the degree if they secure another internship or extend their first internship. Note: approval is required for each quarter as students are expected to complete different projects and submit different deliverables at the end of each quarter.

Does the department provide resources to help guide students seeking an internship?

Yes, matriculated students are provided with an informational packet that has detailed guides and resources. Students are also welcome to seek advice from their faculty advisor as well as the department's Industrial Liaison.