



The HSSEAS Master of Science in Engineering Online Program

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Overview

■ Program Description

- MS Engineering Online program description
- Areas of Study
- Companies represented
- Request for help informing potential students about program

The MS Engineering Online Program

- Program developed to meet industry needs
 - Advanced technical education
 - Flexibility for working professionals
- MS engineering degree requirements
 - Eight lecture-style courses
 - One individual-study project course
- Degree can be completed in 2 years

Program support staff

- **Student Affairs Officer**
Shanna Revoner
- **Program support and marketing**
Caleb Bohannon
- **Information Technology**
Rex Lorenzo, Felipe Kuo



Program Growth Since 2007

■ Year 1 (2007)

- 4 areas of study, 32 courses, 70 students

■ Year 2 (2008)

- 7 areas of study, 58 courses, 150 students
- First cohort graduating

■ Year 3 (2009)

- 9 areas of study, 68 courses
- Capacity to admit up to 250 students Fall 2009

2008 Companies Represented

- **Boeing**
- **Northrop**
- **Lockheed**
- **Qualcom**
- **Broadcom**
- **Navair**
- **Edwards**
- **Raytheon**
- **Many others**

The 2 Year MS Online Program (9 courses)

- **Program Options (Fall 2009)**
 - **Master of Science in Engineering degree**
 - 5 or more courses in area of study + Project
 - 3 or less electives from any other area of study
 - Substitutions for any of the core area courses allowed with review and consent of the area director
 - **Master of Science in Engineering degree plus Certificate in an Area of Study**
 - 8 courses from a single area of study + 1 project course
 - **Master of Science in Engineering degree plus Certificate in Systems Engineering**
 - 5 courses from an identified domain + 1 project course
 - 3 systems engineering core courses
- **Individual course option**
 - Individual courses may be taken through UCLA UNEX
 - No admission requirement

Structure of Courses

■ Dedicated Online Courses

- Same courses as taught on-campus
- Same level of difficulty (difficult, hard work)
- Studio production with on-line focus
- Occasional classroom recording where student interactions are an important contribution

■ Dedicated Online Faculty and TAs

- Voluntary and enthusiastic faculty participation
 - Professor earn extra compensation for teaching and for phone and e-mail interactions with students
- TAs provided to support each course
 - Interactive problem solving sessions
 - Sessions are recorded for later viewing

Areas of study

- Mechanics of Structures
 - Advanced Structural Materials
 - Manufacturing and Design
 - Signal Processing and Communications
 - Radar systems
 - Multimedia systems
 - Communication systems (Satellite and Coding; and Networking)
 - Integrated Circuits
 - Electronic Materials
 - Computer Networking
 - Aerospace Engineering (planned for Fall 2009)
 - Systems Engineering (planned Fall 2009)
 - See MSENGROL@SEAS.UCLA.EDU for course offerings
- UCLA Online by the SEAS*

Admissions and Program Cost

- Admissions: 3.0 UG GPA plus letters of recommendation
 - Some (but not much) flexibility on GPA if applicant has strong work experience and recommendation letters
- Individual courses can be taken through University Extension
 - Admission to degree program not required for UNEX courses
 - Contact Shanna Revoner regarding UNEX courses
- Program cost
 - \$3333 per course
 - \$30,000 for 9 courses

Request for help

- UCLA HSSEAS-MSOL is requesting help getting information to potential students
- UCLA HSSEAS-MSOL has expanded its capacity
 - 68 courses
 - 9 areas of study
- UCLA HSSEAS-MSOL has the capacity to admit a larger group of students Fall 2009 (200-300)
- UCLA HSSEAS-MSOL can provide
 - Information sessions at UCLA (schedule at www.msengrol.seas.ucla.edu) or at your facilities
 - Brochures
 - Text for company newsletters
 - Information sessions at UCLA campus or remote sites