



UC CEAS Dual Articulation and Graduate Programs for International Students



Graduate Degree Programs

- Aerospace Engineering
- Additive Manufacturing
- Artificial Intelligence
- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Environmental Science
- Materials Science & Engineering
- Mechanical Engineering
- Robotics & Intelligent Autonomous Systems



Dual MSc/MEng Program

Master of Science from Home University

Master of Engineering from UC



UC Master of Engineering (MEng) Program

- Industry focused graduate degree that provides:
 - ✓ Advanced technical skills
 - ✓ Professional skills (leadership and teamwork)
- Coursework + capstone project/internship
- No thesis required for UC MEng degree
- Completed in less than 1 year at UC

Benefits of the Dual Degree Program

- Graduate degrees from two universities
 - ✓ Top-ranked Asian University
 - ✓ Top-ranked U.S. University
- Diverse coursework and faculty
 - ✓ Broader selection of topics
 - ✓ Experts from two continents (USA + Asia)
 - ✓ Possibility of degree combinations
(ex. Mechanical Engineering + Civil Engineering)

Dual Degree Program at a Glance

(Spring Enrollment at UC)

Semesters	Dual Degree, 1-Semester at UC completion option	Dual Degree, 2-Semester at UC completion option
Fall Semester	Academic Semester at NCHU, transfer 15 credits to UC	Academic Semester at NCHU, transfer 15 credits to UC
Spring Semester (approx. Jan – end Apr)	Academic Semester at UC (12 credits plus 3 credits Capstone project on campus)	Academic Semester at UC, 12 credits, 4 classes
Summer Semester (approx. May – Aug)	Return to Home University	Complete 3 credits Capstone Project as Internship or at UC, 3 credits, written report
MSc (NCHU) and MEng (UC) awarded after completion of coursework and capstone		

* All dates are approximate and will adjust once new academic calendar is confirmed

Dual Degree Program at a Glance

(Fall Enrollment at UC)

Semesters	Dual Degree, 2-Semester	Dual Degree, 3-Semester
Spring Semester (Summer Semester OFF)	Academic Semester at NCHU, transfer 15 credits to UC	Academic Semester at NCHU, transfer 15 credits to UC
Fall Semester (approx. Aug – Dec)	Academic Semester at UC (12 credits plus 3 credits Capstone project on campus)	Academic Semester at UC, 12 credits, 4 classes
Spring Semester (approx. Jan – Apr)	Return to Home University	Complete Capstone Project as Internship or at UC, 3 credits, written report

MSc (NCHU) and MEng (UC) awarded after completion of coursework and capstone

*** All dates are approximate and will adjust once new academic calendar is confirmed**

Admission Requirements

- Bachelor's degree in corresponding program with 3.0 GPA or equivalent
- TOEFL of 85 or better/IELTS 6.5/Pearson Test of English of 59
- GRE not required if recommended for admissions by home University
- Approved F-1 visa (form I-20) for two semesters

Spring Semester Admission Application Timeline

Briefing with students on the process	Any time prior to deadline
Application Deadline	Late-October
List of recommended candidates to UC *	As apply, by early November
Offer letters from UC to students	Within 10 days or sooner

* NCHU approved students apply online at UC CEAS. NCHU forwards to UC CEAS a list of applicants with their names, date of birth, and email contact information.

Fall Semester Admission Application Timeline

Briefing with students on the process	Any time prior
Application Deadline	Late April, the earlier the better
List of recommended candidates to UC *	As apply, by mid April
Offer letters from UC to students	Within 10 days or sooner

* NCHU approved students apply online at UC CEAS. NCHU forwards to UC CEAS a list of applicants with their names, DOB and email contact information.

Application Process

Send a list of eligible students and transcripts to CEAS for review of credentials

➤ **University Online Application** – <https://grad.catalyst.uc.edu/apply/>

- Students create a new account by using the link above and submit transcripts, TOEFL scores, statement of purpose and provide names and contact information of two references.
- If intending to study in Spring students must apply for Fall, upon completion of application send an email to: engrgrad@uc.edu stating that you have applied to the Dual Degree program and we will change your admission date to Spring.
- There is an USD\$80.00 application fee. Fees are paid by credit card.

Application Process

Step 2:

➤ Review Process

- Upon completion of the above application process your file will be reviewed and you can check your status online at:
<https://grad.uc.edu/admissions.html>

Step 3:

➤ Application Approval

- Approved applications will be confirmed and an email will be sent from our International Office
(international.students@uc.edu) on what is required to prepare your I-20.

Application Process

Step 4:

➤ International Office and I-20 Issuance

→ Additional information about I-20's can be found on our International Students website

http://www.uc.edu/international/services/students/prepare/i-20_faq.html

→ We recommend that you have your I-20 / DS-2019 mailed by express mail. Regular mail overseas may take as long as 4- 6 weeks

Program Costs

- 1st semester at UC:
 - ✓ \$15,131 tuition and fees (\$5,096 guaranteed scholarship available)
 - ✓ Approximately \$5,000 - \$6,000 room and board

 - 2nd semester at UC:
 - ✓ Some students elect to stay & complete an internship/capstone project in the 2nd semester. Costs same as the 1st semester, scholarship available
 - ✓ \$15,131 tuition and fees (\$10,582 scholarship available)*
- *2020-2021 tuition and fees, not including cost of living
Subject to annual price adjustment*

Capstone Project (3-6 credit)

- **Pathway A**: Completed as part of 15 credits at UC lab in the 1st semester
- **Pathway B**: Completed as an internship in industry (via Curriculum Practical Training, CPT) during the 2nd semester for select project
 - ✓ Must find internship by the end of the 1st semester to qualify for CPT
- **Pathway C**: Completed at NCHU
 - ✓ An outline/abstract required
 - ✓ All require written report submitted to UC upon completion

Pathway B: Internship (CPT)

- Curriculum Practical Training (CPT)
- Working for company or research lab (paid)
- Students must register for a minimum of 12 credit hours during the second semester at UC to satisfy F-1 visa requirements.
- Students responsible for finding internship
 - ✓ Help available through UC Career Center / job fairs
 - ✓ Many students use connections through LinkedIn
 - ✓ Search online job postings

CPT / OPT

- Interested & qualified students can apply for CPT (curriculum practical training) for Capstone project during 2nd semester
- Interested & qualified students on valid F-1 visa can apply for OPT (optional practical training) upon completion of 2 full-time semesters at UC
- Apply for 12 months initial OPT within 90 days before and 60 days after degree completion

UC Graduation

- Students completing Capstone in Fall semester apply for Fall Graduation:
 - ✓ **Deadline** to apply for **Fall** Graduation is **September**.
Actual graduation date is in **December**.
- Students completing Capstone in Spring semester apply for Spring Graduation:
 - ✓ **Deadline** to apply for **Spring** Graduation is **January**.
Actual graduation date is in **May**.

UC Graduation Cont.

- Students completing Capstone in Summer apply for Summer graduation:
 - ✓ **Deadline** to apply for **Summer** graduation is **May**.
Actual graduation date is **August**.
- Online graduation application:
 - ✓ Graduation website <http://grad.uc.edu/student-life/graduation.html>
 - ✓ Graduation application fee is \$50.00 (non-refundable)

UC Housing

- On campus options:

http://www.uc.edu/uchousing/residence_halls.html

- Off campus options:

http://www.uc.edu/uchousing/graduate_housing.html

F-1 and I-20

- The I-20 is the "Certificate of Eligibility," meaning a student is "eligible" to apply for an F-1 student visa
- After receiving an I-20 from UC, students make an appointment to apply for the F-1 visa at the local U.S. embassy or consulate.
- Students must present both the F-1 visa and the I-20 to a U.S. Immigration inspector upon arrival at the port-of-entry.

Types of Research Degrees

- **Masters of Science (MS)**
 - ✓ Research based
 - ✓ Thesis required
 - ✓ Completion in 3-4 semesters

- **PhD (direct route or post-MS)**
 - ✓ Research based
 - ✓ Dissertation required
 - ✓ Completion 6–10 semesters





Research Pathways

- **Environment**

- ✓ Water/Air Quality, Fuel Efficiency, Transportation, Sustainable Engineering and Energy

- **Information Science**

- ✓ Modeling and Simulation, Bioinformatics, Cybersecurity, Data Mining

- **Manufacturing**

- ✓ Advanced Manufacturing, Materials, CAE, Robotics, Intelligent Systems

- **Sensing**

- ✓ Nanotechnology, Microfluidics, Structural Integrity and Dynamics, Smart Structures and Systems

- **Health**

- ✓ Tissue Engineering, Chemical Separations, MEMS diagnostics, Medical Devices

UC Master of Science Program

- 1st year
 - ✓ Finish most required coursework (20 credit hours of “real” courses)
 - ✓ Formulate thesis topic & complete preliminary studies/literature review/etc.
 - ✓ Select thesis committee and defend proposal
- 2nd year
 - ✓ Finish coursework in the Fall
 - ✓ Work in earnest on your research
 - ✓ Defend your thesis

UC PhD Degree Program

- 1st year
 - ✓ Finish coursework (12 credit hours past MS)
 - ✓ Formulate dissertation topic & complete preliminary studies/literature review/etc.
- 2nd year and following
 - ✓ Take qualifying exam in the Fall Semester
 - ✓ Form committee and defend proposal
 - ✓ Work in earnest on your dissertation

Graduate Programs Reasonable Progress

- **MEng:**

Semi-annual Performance Review, 15 months

- **MS:**

Annual Performance Review, 24 months

- **PhD Degree:**

Annual Performance Review, 48 months

Research Infrastructure

CEAS has many outstanding research centers, institutes and labs. For a complete listing visit:

http://www.ceas.uc.edu/research/research_labs_andcenters.html

