

The Dual Degree Program

MS in Innovation & Management + MS in Mechanical Engineering

FULL-TIME PROGRAM • 2 YEARS • 16 COURSES

10 COURSES
ACADEMIC YEAR 1

Get ready to run... with your ideas. Kick off your experience in the fall semester, fully immersed in the MSIM program. Work with a team to develop a meaningful new product or service idea. Let your passion drive your work. In the spring semester, dive deeper into the innovation process and continue your MSIM courses and seminars. You will also begin your MS in Mechanical Engineering program by completing 2 courses.

FALL SEMESTER

- EM221 New Product Innovation
- EM242 Marketing: Branding and Digital Communications
- EM255 Finance for High-Tech Ventures
- EM263 Leading for Impact

SPRING SEMESTER

- EM212 Applied Data Science
- EM253 Technology & Innovation Strategy
- EM262 Conflict Resolution
- EM294 Special Topics in Innovation & Management
- MSME Mechanical Engineering Electives 1 & 2

GRADUATE SEMINARS (FALL & SPRING)

Innovator's Mindset Series • Career Development Program

1 PROJECT
SUMMER

The most real-world experience yet. Choose from a variety of hands-on industry experiences to build your resume and apply your learned skills, all within the Capstone Innovation & Leadership Project.

SUMMER SEMESTER

- EM281 Capstone Innovation & Leadership Project
- Project Options Include:
- Intern/Job: Take on an internship or a permanent role anywhere across the globe.
 - Entrepreneur: Continue developing your Innovation Sprint venture.

6 COURSES
ACADEMIC YEAR 2

Build your technical expertise. Engage deeply in all things Mechanical Engineering. With the Dual Degree program, double-counting courses streamlines your path to graduation. The total number of courses and exact schedule may vary depending on the options you choose to tailor your MS in Mechanical Engineering experience.

FALL SEMESTER

- CORE 1 & 2 (PART 1)
- Choose two cores between: Fluid Dynamics & Heat Transfer; Dynamics & Controls; Solid Mechanics & Materials Processing; and Design.

MATHEMATICS (1 COURSE)

- Choose between: Numerical Methods; Applied Mathematics for Engineers; or Statistical Quality Control

SPRING SEMESTER

- CORE 1 & 2 (PART 2)
- Continue onto the second course for each of your two chosen cores.

ELECTIVES (FALL & SPRING)

Elective courses must collectively total 15 credits, 6 of which must be in Mechanical Engineering. Students can elect to complete a 3-credit project or 9-credit thesis with approval.

GRADUATE SEMINAR (FALL & SPRING)

Full-time MS students must enroll in the Mechanical Engineering Graduate Seminar.