The HAJIM SCHOOL OF ENGINEERING & APPLIED SCIENCES is one of the nation’s top engineering schools, housed in a first-rate research university. Learning from and working alongside award-winning faculty, our students use state-of-the-art technology and facilities to support their self-driven education. From alternative energy to technical entrepreneurship, we continually expand our offerings to reflect current and future opportunities for research, development, and application. Most recently, the Hajim School and the University are at the forefront of data science education with the Goergen Institute for Data Science, a $100-million project currently underway and housed in Wegmans Hall.

AREAS OF STUDY

MAJORS
Audio and Music Engineering
Biomedical Engineering
Chemical Engineering
Computer Science
Electrical and Computer Engineering
Engineering Science
Geomechanics
Interdepartmental Engineering
Mechanical Engineering
Optical Engineering
Optics

MINORS
Audio and Music Engineering
Biomedical Engineering
Chemical Engineering
Computer Science
Electrical and Computer Engineering
Environmental Engineering
Materials Science
Mechanical Engineering
Optics

CLUSTERS (non-inclusive)
Business Computing
Computational Problem Solving
Computing for the Social Sciences
Engineering and Technology in Antiquity
Mechanical Engineering Design
Modern Technology in Society
Music and Sound – Science and Synthesis
Optics
Video Games & Media Arts Production

SPECIAL PROGRAMS

The GRAND CHALLENGES SCHOLARS PROGRAM allows students to design a personalized plan to explore one of the National Academy of Engineering’s 14 broad problems facing society in sustainability, health, security, and knowledge.

SENIOR DESIGN PROJECTS give students an opportunity to truly be engineers – working in teams to translate knowledge and skills into devices and prototypes that address specific challenges. Many teams are sponsored by outside companies. In 2017, there were more than 70 projects showcased at the annual Design Day.

COMMUNICATING YOUR PROFESSIONAL IDENTITY is a course in which students define career/graduate school goals and prepare résumés, statements of purpose, elevator pitches, project abstracts, and online profiles.

PEER ADVISORS are upper-class students who help other students connect with faculty, and explore options for research, independent, and interdisciplinary study.

STEM GEMS is an initiative to increase the recruitment, retention, and graduation of students historically at-risk of not graduating. Students are connected to academic departments, student services, and student organizations.

GLOBAL EXPERIENCES

Hajim departments offer traditional semester-long study abroad programs, as well as summer and winter break programs, short-term faculty-led programs, and international service learning. Below are some popular locations:

SOUTH AMERICA
Ecuador: Quito
AFRICA
Botswana: Gaborone
Ghana: Accra
South Africa: Cape Town
EUROPE
Denmark: Copenhagen
England: London, Bristol
Hungary: Budapest
Spain: Madrid
ASIA
China: Hong Kong
Israel: Haifa
South Korea: Seoul
U.A.E: Sharjah
OCEANIA
Australia: Canberra, Melbourne, Sydney
New Zealand: Auckland, Christchurch
STUDENT GROUPS

- American Institute of Chemical Engineers
- American Society of Mechanical Engineers
- Audio Engineering Society
- Baja SAE *
- Biomedical Engineering Society
- Computer Science Undergraduate Council
- Engineering World Health *
- Engineers Without Borders *
- Institute of Electrical and Electronics Engineers
- Makers *
- National Society of Black Engineers
- Optical Society of America
- Robotics Club *
- Society of Asian Scientists and Engineers
- Society of Hispanic Professional Engineers
- Society of Women Engineers
- Solar Splash *
- STEM Initiative
- Tau Beta Pi
- Women and Minorities in Computing
- * Indicates a “design group”

ABOUT OUR STUDENTS

Nationally, the number of bachelor’s degrees awarded in an engineering discipline rose 54 percent between 2007 and 2016. Over the same period, the Hajim School awarded >250% more bachelor’s degrees (119 in 2007 to 341 in 2016)—a dramatic expansion for a single institution. At the same time, more students are conducting undergraduate research, studying abroad, pursuing multidisciplinary opportunities, and exploring graduate schools and careers.

UNDERGRADUATE ENROLLMENT

Total Enrollment 1,547

Most common second majors (classes 2020-22)
- Applied Mathematics/Mathematics/Statistics 41
- Economics/Financial Economics 29
- Business 25
- Psychology 11
- Physics/Physics and Astronomy 10

Most common minors (classes 2020-22)
- Modern Languages and Cultures 37
- Mathematics/Statistics 30
- Chemical Engn./Environmental Engn. 29 *
- Psychology-related minors 27
- Business 27
- Computer Science 22 *

* Offered through the Hajim School

STUDENT SUCCESS

While many outcomes for the class of 2020 were decided before the pandemic – for example, additional majors and minors – our career center and student-facing offices worked diligently to help graduates find their first destination.

STUDENT OUTCOMES

About the class of 2020:
- Total graduates 393
- Percentage with a second major 15%
- Percentage with at least one minor 31%
- Percentage who participated in the Take Five Program or e5 (Experiential-Five) Program 6%
- Percentage that did not start in a Hajim major 10%
- Percentage with a global experience 23%

Of students in the class of 2020 who responded to the Greene Center survey (n=351), the average salary 6 months post-graduation was $86,157 (117 reported).

“Employed” includes Jobs, Military, and Volunteer Service.

CONTACT

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