MASTER OF CIVIL AND ENVIRONMENTAL ENGINEERING (MCEE) DEGREE IN THE FIELD OF CIVIL ENGINEERING

Program Learning Outcomes for the MCEE Degree in the field of Civil Engineering

Upon completing the MCEE degree in the field of Civil Engineering, students will be able to:

1. Demonstrate a solid foundation in civil and environmental engineering at the graduate level.
2. Demonstrate professional written and oral communication skills.

Requirements for the MCEE in the field of Civil Engineering

The MCEE degree is a non-thesis master's degree. For general university requirements, please see Non-Thesis Master's Degrees (ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-non-thesis-masters-degrees). Students pursuing the MCEE degree in the field of Civil Engineering must complete:

- A minimum of 30 credit hours of graduate-level courses in one area of specialization: Civil Engineering or Sustainable Environmental Engineering and Design, including one semester of graduate seminar (CEVE 601/CEVE 602) and a final project (CEVE 590). All courses must be in the relevant field.
- A minimum of 24 credit hours at Rice.
- A minimum overall GPA of 3.0 in required coursework.
- A maximum of 6 credit hours of graduate-level coursework from transfer credit. For additional guidelines regarding transfer credit, see the Policies tab.
- The minimum residency, which is one fall or spring semester in full-time or part-time graduate study.

The Master of Civil and Environmental Engineering (MCEE) degree is a professional non-thesis degree requiring 30 credit hours of approved courses at the 500-level or above, including a final project of 2 credit hours. Students who have a BS or BA degree in any field of engineering or related study may apply. Depending on their background, some students may need to fulfill prerequisites or take remedial engineering courses to earn the MCEE degree. For more information, see the department website (http://www.ceve.rice.edu).

Summary

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<td></td>
<td>Total Credit Hours for the MCEE Degree in the field of Civil Engineering</td>
<td>30</td>
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CEVE 406 / ENST 406  INTRODUCTION TO ENVIRONMENTAL LAW
CEVE 507          ENERGY AND THE ENVIRONMENT
CEVE 528 / ENGI 528  ENGINEERING ECONOMICS
ECON 437 / ENST 437  ENERGY ECONOMICS
ENGI 529 / CEVE 529  ETHICS AND ENGINEERING LEADERSHIP
NSCI 511          SCIENCE POLICY, AND ETHICS
NSCI 610 / ENGI 610  MANAGEMENT FOR SCIENCE AND ENGINEERING

MCEE Final Project
CEVE 590  MCEE SPECIAL STUDY 1  2

Total Credit Hours  30

Footnotes and Additional Information
1 The professional masters final project is overseen by a Civil and Environmental department faculty member.

Policies for the MCEE Degree in the field of Civil Engineering

Department of Civil and Environmental Engineering Graduate Program Handbook
The General Announcements (GA) is the official Rice curriculum. As an additional resource for students, the department of Civil and Environmental Engineering publishes a graduate program handbook, which can be found here:

Admission
Applicants pursuing graduate education in structural engineering, structural mechanics, and geotechnical engineering should have a BS in Civil Engineering with a significant emphasis on structural engineering, but students with other undergraduate degrees may apply if they have adequate preparation in mathematics, mechanics, and structural analysis and design.

Admission into a professional program is granted separately from admission into a research and thesis program. Professional degree programs terminate when the degree is awarded. Students who wish to continue graduate study after completing a professional program must apply for admission into a research program.

Transfer Credit
For Rice University's policy regarding transfer credit, see Transfer Credit (ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-non-thesis-masters-degrees). Some departments and programs have additional restrictions on transfer credit. Students are encouraged to meet with their academic program's advisor when considering transfer credit possibilities.

Departmental Transfer Credit Guidelines
Students pursuing the MCEE degree in the field of Civil Engineering or Environmental Engineering should be aware of the following departmental transfer credit guidelines:

• No more than 2 courses (6 credit hours) of transfer credit from U.S. or international universities of similar standing as Rice may apply towards the degree.
• Request for transfer credit will be considered by the program director (and/or the program's official transfer credit advisor) on an individual case-by-case basis.

For additional information, please see the Civil and Environmental Engineering website: http://ceve.rice.edu/

Opportunities for the MCEE Degree in the field of Civil Engineering

• Rice Global Forum (RGF): is a group of industry professionals plus Rice faculty who gather regularly to discuss topics that define their interests. They sponsor the Engineering Competition each year and give out scholarships that are derived from membership dues. The scholarships are geared toward professional master’s and terminal research master’s (MS) students.
• George R. Brown School of Engineering Scholarships for Professional Master's Degrees in Engineering: was established by the Dean of the School of Engineering to encourage outstanding Rice undergraduate engineering students to pursue a professional master's degree at Rice.

For additional information, please see the Civil and Environmental Engineering website: http://ceve.rice.edu/