MASTER OF ENERGY ECONOMICS (MEECON) DEGREE

Program Learning Outcomes for the MEEcon Degree

Upon completing the MEEcon degree, students will be able to:

1. Understand and apply basic economic, scientific, political, and statistical principles useful for analyzing and understanding energy markets.
2. Apply quantitative skills, including econometric models and statistical software, to better utilize data to critique, analyze, and report results of industry-related issues and inform strategic decisions.
3. Be better able to communicate insights arising from the economics perspective on issues affecting the energy sector.

Requirements for the MEEcon Degree

The MEEcon degree is a non-thesis master’s degree. For general university requirements, please see Non-Thesis Master’s Degrees (https://ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-non-thesis-masters-degrees/). For additional requirements, regulations, and procedures for all graduate programs, please see All Graduate Students (https://ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-all-degrees/).

Students pursuing the MEEcon degree must complete:

- A minimum of 40 credit hours to satisfy degree requirements.
- A minimum of 40 credit hours of graduate-level study (coursework at the 500-level or above).
- A minimum of 24 credit hours must be taken at Rice University.
- A minimum residency enrollment of 2 semesters of full-time graduate study at Rice University.
- A practicum or internship.
- A minimum overall GPA of 2.67 or higher in all Rice coursework.
- A minimum GPA of 2.67 or higher in all Rice coursework that satisfies requirements for the non-thesis master’s degree.

The courses listed below satisfy the requirements for this degree program. In certain instances, courses not on this official list may be substituted upon approval of the program’s academic advisor, or where applicable, the department or program’s Director of Graduate Studies. Course substitutions must be formally applied and entered into Degree Works by the department or program’s Official Certifier (https://registrar.rice.edu/facstaff/degreeworks/officialcertifier/). Additionally, these must be approved by the Office of Graduate and Postdoctoral Studies. Students and their academic advisors should identify and clearly document the courses to be taken.

Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ECON 601</td>
<td>ENERGY ECONOMICS I</td>
<td>4</td>
</tr>
<tr>
<td>ECON 602</td>
<td>MICROECONOMICS OF THE ENERGY SECTOR</td>
<td>4</td>
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<tr>
<td>ECON 603</td>
<td>APPLIED ECONOMETRICS FOR ENERGY MARKETS</td>
<td>4</td>
</tr>
<tr>
<td>ECON 604</td>
<td>ENERGY ECONOMICS II</td>
<td>4</td>
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<tr>
<td>ECON 606</td>
<td>CORPORATE FINANCE FOR THE ENERGY SECTOR</td>
<td>4</td>
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<tr>
<td>ECON 610</td>
<td>ENERGY AND THE MACROECONOMY</td>
<td>4</td>
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<tr>
<td>ECON 699</td>
<td>PRACTICUM</td>
<td>4</td>
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<tr>
<td>Elective Requirements</td>
<td>3</td>
<td>12</td>
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</tbody>
</table>

Select 3 courses as electives from departmental (ECON) course offerings selected from any course between ECON 605 and ECON 622 (except ECON 606 and ECON 610, which are required)

Total Credit Hours 40

Footnotes and Additional Information

1. The summer prior to the student’s first fall semester, an online "Math and Statistics Camp" (hosted by the Economics department and Rice Online Learning) must be successfully completed as a required prerequisite to Core Requirements.
2. A practicum or internship is required for completion of the MEEcon professional master’s degree. It can be taken in either the Spring or Summer Session. The practicum will provide students with practical experience relative to the degree. Students will work on projects developed by an industry advisory group. The research will be presented to participating industry advisors at the completion of the degree program. The projects will provide prospective employers with an opportunity to evaluate new talent effectively. As an alternative to the practicum, students may complete an internship with an approved special project with an employer. The internship is meant to last a minimum of 7 weeks and should be directly related to the student’s core area of study in the MEEcon degree program. Spring internships start on the first day of Spring classes.
3. See Proposed Plan-of-Study below. Students may complete either 2 electives in Session II, or complete 1 elective each in both Sessions II and III.

Proposed Plan-of-Study

The MEEcon degree program is completed in 12 months and is organized in four sessions. Sessions I and II correspond to the Fall and Spring semesters, respectively, and follow the standard Rice Academic Calendar (https://registrar.rice.edu/calendars/). Sessions III and IV are two consecutive 7-week long sessions that take place during the subsequent summer semester. All courses (including required courses and electives) are graduate-level courses, numbered 500-level and above.

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ECON 603 APPLIED ECONOMETRICS FOR ENERGY MARKETS 4
ECON 606 CORPORATE FINANCE FOR THE ENERGY SECTOR 4

Credit Hours 16

Session II (Spring Semester)
ECON 604 ENERGY ECONOMICS II 4
ECON 610 ENERGY AND THE MACROECONOMY 4
ECON 699 PRACTICUM 1,2 4
Elective one Elective one 3 4

Credit Hours 16

Session III (Summer I)
Elective two Elective two 3 4

Credit Hours 4

Session IV (Summer II)
ECON 699 PRACTICUM 1,2 4
Elective three Elective three 3 4

Credit Hours 4

Total Credit Hours 40

Footnotes and Additional Information
1 A practicum or internship is required for completion of the MEEcon professional master's degree. It can be taken in either Session II (Spring Semester) or Session IV (Summer II). The practicum will provide students with practical experience relative to the degree. Students will work on projects developed by an industry advisory group. The research will be presented to participating industry advisors at the completion of the degree program. The projects will provide prospective employers with an opportunity to evaluate new talent effectively. As an alternative to the practicum, students may complete an internship with an approved special project with an employer. The internship is meant to last a minimum of 7 weeks and should be directly related to the student’s core area of study in the MEEcon degree program. Spring internships start on the first day of Spring classes.

2 Students may select ECON 699 during one session - either Session II (Spring Semester) or Session IV (Summer II). Because the course is worth 4 credit hours and is only taken once, the total credit hours needed to complete the MEEcon degree is 40 hours.

3 Students must complete a total of 3 courses as electives from departmental (ECON) course offerings selected from any course between ECON 605 and ECON 622 (except ECON 606 and ECON 610, which are required). Students may complete either 2 electives in Session II, or complete 1 elective each in both Sessions II and IV.

Opportunities for the MEEcon Degree
Byron Pope Award
The Byron Pope Award is given to the student who best exemplifies the benefits provided by participation in the Masters in Energy Economics Program.

MEEcon Award for Scholarly Excellence
This award is for superior demonstrated academic excellence in the Master of Energy Economics program courses. This award is supported by a gift from BP.

Additional Information
For additional information, please see the Economics website: https://economics.rice.edu/