MASTER OF HUMAN-COMPUTER INTERACTION AND HUMAN FACTORS (MHCIHF) DEGREE

Program Learning Outcomes for the MHCIHF Degree

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

1. Have a clear understanding of the fundamental concepts in human factors and engineering psychology.
2. Have a clear understanding of human cognitive functions and limitations, and how these impact the design of systems.
3. Specify the design of an engineering human computer system so that it supports human capabilities.
4. Analyze critically and evaluate one’s own findings and those of others.
5. Communicate effectively ideas, methodologies, analyses, and interpretations of the research topic.

Requirements for the MHCIHF Degree

The MHCIHF 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). For additional requirements, regulations, and procedures for all graduate programs, please see All Graduate Students (ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-all-degrees).

Students pursuing the MHCIHF degree must complete:

- A minimum of 11 courses (36 credit hours) to satisfy degree requirements.
- A minimum of 36 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 one fall or spring semester of full-time graduate study at Rice University.
- An internship. All students in the Master’s program are required to intern in the summer between their two years of study.
- A capstone design course. (This is to be a project course, supervised jointly by all the HCI and HF faculty, and should be taken in the second semester of the second year.)
- A minimum overall GPA of 2.67.
- A minimum GPA of 3.00 in required coursework.

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).) Students and their academic advisors should identify and clearly document the courses to be taken
Footnotes and Additional Information

1 All students in the Master’s program are required to intern in the summer between their two years of study. That internship is reflected in the student’s course of study as PSYC 595, and students should register for that summer course. Faculty in the HCI and HF area have relationships with multiple local and national companies and government labs that would be suitable. Students sponsored by their employer may return to that company for the summer internship, provided that the work was classified as human factors-related.

2 The capstone requirement, PSYC 600, is to be a project course, supervised jointly by all the HCI and HF faculty, and should be taken in the second semester of the second year.

Proposed Plan-of-Study

The following plan-of-study represents the lockstep five-semester sequence in which students pursuing the MHCIHF degree complete the required coursework.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Semester</td>
<td></td>
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<tr>
<td>PSYC 531</td>
<td>HF/HCI RESEARCH SEMINAR</td>
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<td>PSYC 502 / STAT 509</td>
<td>ADVANCED PSYCHOLOGICAL STATISTICS I</td>
<td>3</td>
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<td>PSYC 541</td>
<td>HUMAN-COMPUTER INTERACTION</td>
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<td>PSYC 609</td>
<td>METHODS IN HUMAN-COMPUTER INTERACTION</td>
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<td>PSYC 531</td>
<td>HF/HCI RESEARCH SEMINAR</td>
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<tr>
<td>PSYC 503 / STAT 510</td>
<td>ADVANCED PSYCHOLOGICAL STATISTICS II</td>
<td>3</td>
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<tr>
<td>PSYC 540</td>
<td>FOUNDATIONS OF ENGINEERING PSYCHOLOGY</td>
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<td>PSYC 561</td>
<td>TEACHING IN PSYCHOLOGY</td>
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<td>3rd Semester</td>
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<tr>
<td>PSYC 595</td>
<td>HUMAN-COMPUTER INTERACTION AND HUMAN FACTORS PROFESSIONAL MASTER’S INTERNSHIP</td>
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<td><strong>Credit Hours</strong></td>
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<td>4th Semester</td>
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<tr>
<td>PSYC 520</td>
<td>FOUNDATIONS OF COGNITIVE PSYCHOLOGY</td>
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<td>Elective one</td>
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<td></td>
<td><strong>Credit Hours</strong></td>
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<tr>
<td>5th Semester</td>
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<tr>
<td>PSYC 531</td>
<td>HF/HCI RESEARCH SEMINAR</td>
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</tr>
<tr>
<td>Elective two</td>
<td>Elective two</td>
<td>3</td>
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</tbody>
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Total Credit Hours 36

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Policies for the MHCIHF Degree

Department of Psychological Sciences Graduate Program Handbook

The General Announcements (GA) is the official Rice curriculum. As an additional resource for students, the department of Psychological Sciences, the home department for the Human-Computer Interaction and Human Factors program, publishes a graduate program handbook, which can be found here: http://gradhandbooks.rice.edu/2018_19/Psychology_Graduate_Handbook.pdf

Admission

Admission to graduate study in Human-Computer Interaction and Human Factors is open to qualified students holding a BS or a BA degree in a quantitative field from an accredited institution. The MHCIHF degree governing committee will evaluate the previous academic record and credentials of each applicant individually, and will make all admissions decisions.

Financial Aid

No financial aid is available from Rice University or the Psychological Sciences Department for students in the MHCIHF degree program.

Transfer Credit

For Rice University’s policy regarding transfer credit, see Transfer Credit (ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-all-degrees/#transfer). 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.

Program Transfer Credit Guidelines

Students pursuing the MHCIHF degree should be aware of the following program transfer credit guidelines:

- No more than 2 courses (6 credit hours) of transfer credit from U.S. or international universities of similar standing at Rice may apply towards the degree. Transferred courses must be comparable in content and depth to the corresponding course at Rice, and must not have counted toward another degree.
- Requests 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.
Additional Information
For additional information, please see the Psychological Sciences website: https://psychology.rice.edu/

Opportunities for the MHCIHF Degree
Additional Information
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