Minors throughout Marquette University 2014-2015

• College of Arts and Sciences
  o Minor in Biological Sciences
  o Minor in Chemistry
  o Minor in Economics
  o English Minors
    o Literature
    o Literature of Diverse Cultures
    o Writing
  o Foreign Language Minors
    o Minor in Classical Languages
    o Minor in Classical Studies
    o Minor in French
    o Minor in German
    o Minor in Spanish Language, Literature and Culture
    o Minor in Spanish for the Professions
  o Minor in History
  o Interdisciplinary Minors
    o Africana Studies Minor
    o Asian Studies Minor
    o Broad Field Social Science Minor
    o Catholic Studies Minor
    o Environmental Ethics Minor
    o Ethics Minor
    o Family Studies Minor
    o International Affairs Minor
    o Medieval Studies Minor
    o Peace Studies Minor
    o Public History Minor
    o Urban Affairs Minor
    o Women's and Gender Studies Minor
  o Mathematics, Statistics and Computer Science Minors
    o Minor in Mathematics
    o Minor in Computer Science
    o Minor in Software Development
  o Minor in Philosophy
  o Physics Minors
    o Minor in Physics
    o Minor in Astronomy
- Minor in Biophysics
- Minor in Political Science
- Minor in Psychology
- Reserve Officers’ Training Corps (ROTC) Minors
  - Minor in Air Force Aerospace Studies
  - Minor in Military Science and Leadership
  - Minor in Naval Science
- Social and Cultural Sciences Minors
  - Minor in Anthropology
  - Minor in Criminology and Law Studies
  - Minor in Social Welfare and Justice
  - Minor in Sociology
- Minor in Theology
- Individualized Interdisciplinary Major or Minor
  - Students for whom particular interests may be better served by a flexible grouping of courses from several areas can create an individualized interdisciplinary major or minor. Examples of self-designed majors or minors include Arabic Studies, Italian Studies, Global Ecology and Middle Eastern and North African Studies. Students should consult the college office regarding the creation of the individualized major or minor, and to acquire the guidelines and the form that must be submitted. The student must work with a faculty adviser in their area of interest. With this adviser, the student will write a proposal explaining the relationship between educational objectives and the choice of an interdisciplinary major or minor, as well as develop a list of courses to be included with the sequence in which they will be taken. Two letters of recommendation are required: one from the faculty adviser, and the second, from a faculty member that is familiar with the student's academic work. Such proposals, as well as any subsequent modifications, must be approved by the college’s associate dean.

**College of Business Administration**

- Minor in Business Administration
- Minor in Entrepreneurship
- Minor in Human Resources
- Minor in Information Technology
- Minor in Marketing
- Minor in Operations Supply Chain Management

**College of Communication**

- Advertising Minor or Public Relations Minor
- Communication Studies Minor
- Corporate Communication Minor
- Digital Media Minor
• Fine Arts Minors
  o Minor in Motion Narrative
  o Minor in Graphic Design
  o Minor in Photography
  o Minor in Studio Art
• Performing Arts Minors
  o Dance Minor
  o Film Minor
  o Music Minor
  o Theatre Arts Minor

• COLLEGE OF EDUCATION
  o Bilingual-Bicultural Minor –EDUC students only

• COLLEGE OF ENGINEERING
  o Electrical Engineering Minor
  o Computer Engineering Minor

• COLLEGE OF HEALTH SCIENCES
  o Biomedical Sciences Minor
  o Neuroscience Minor
  o Speech Pathology and Audiology Minor

• COLLEGE OF NURSING
  o Health Studies Minor
NEUROSCIENCE MINOR

The neuroscience minor is designed to enable students in a variety of majors to explore the important and rapidly expanding field of neuroscience. The minor enhances a student's preparation for a variety of careers and/or graduate study in health-related professions and enriches undergraduate student involvement in neuroscience research.

NEUROSCIENCE MINOR

Complete a total of 18 credit hours.

Complete at least 2 out of the 3 required courses (6-9 cr. hrs.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>BISC 4140</td>
<td>Functional Neuroanatomy</td>
<td>3</td>
</tr>
<tr>
<td>BISC 4931</td>
<td>Topics in Biomedical Sciences (Systems Neuroscience)***</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3501</td>
<td>Neurobiology</td>
<td>3</td>
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Elective Courses (9-12 cr. hrs.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BISC 4155</td>
<td>Diseases of the Brain</td>
</tr>
<tr>
<td>BISC 4275</td>
<td>Modern Plagues: Addiction, Obesity and Stress</td>
</tr>
<tr>
<td>BISC 4931</td>
<td>Topics in Biomedical Sciences (Biology and Moral Behavior)</td>
</tr>
<tr>
<td>BISC 4995</td>
<td>Independent Study in Biomedical Sciences (with approval of topic)</td>
</tr>
<tr>
<td>SPPA 4310</td>
<td>Introduction to Neurological Disorders</td>
</tr>
<tr>
<td>BIOL 3502</td>
<td>Experimental Neurobiology</td>
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<tr>
<td>BIOL 4956</td>
<td>Laboratory Research Project in Biological Sciences (with approval of project)</td>
</tr>
<tr>
<td>PSYC 3301</td>
<td>Learning and Behavior</td>
</tr>
<tr>
<td>PSYC 3320</td>
<td>Cognition</td>
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<tr>
<td>PSYC 3601</td>
<td>Biopsychology</td>
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<tr>
<td>PSYC 3650</td>
<td>Affective Neuroscience</td>
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<tr>
<td>PSYC 4330</td>
<td>Human Factors Engineering</td>
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<tr>
<td>PSYC 4960</td>
<td>Advanced Undergraduate Seminar</td>
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<tr>
<td>PSYC 4995</td>
<td>Independent Study in Psychology (with approval of topic)</td>
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<tr>
<td>BIEN 4500</td>
<td>Medical Imaging Physics</td>
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<tr>
<td>BIEN 4510</td>
<td>Image Processing for the Biomedical Sciences</td>
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<tr>
<td>BIEN 4600</td>
<td>Neural Engineering</td>
</tr>
<tr>
<td>BIEN 4620</td>
<td>Rehabilitation Science and Engineering</td>
</tr>
<tr>
<td>BIEN 4995</td>
<td>Independent Study in Biomedical Engineering (with approval of topic)</td>
</tr>
</tbody>
</table>

NOTE: No more than 6 cr. hrs. for students from the College of Health Sciences and College of Arts and Sciences and no more than 9 cr. hrs. for students from the College of Engineering can count towards both the neuroscience minor and their primary major (i.e., the 33 credits that is required for the BISC major).

*** The Systems Neuroscience class is being offered as a BISC 4930 section 102 (class # 5998) for Fall 2014 – prerequisites are BIOL 1001/1002.