

bioInnovate Student Course Map

| | Bioengineering Grad Student | Cr | Medical Student Medical Resident | Cr |
|---|--|----------------------------------|--|----------------------------------|
| Year 0 | | | | |
| Fall | Life Science Fundamental* | 3 | | |
| | Bioengineering Fundamental* | 3 | | |
| | Department Seminar 6090* | 0.5 | | |
| | Bioengineering or Bus/Law Elective | 3 | | |
| Spring | Life Science Fundamental* | 4 | | |
| | Bioengineering Fundamental* | 3 | | |
| | Department Seminar 6090* | 0.5 | | |
| | Bioengineering or Bus/Law Elective | 3 | | |
| Year 1 | | | | |
| Fall | bioInnovate I | 4 | bioInnovate I | 4 |
| | Clinical Problem Solving Through Strategic Analysis | 3 | Clinical Problem Solving Through Strategic Analysis | 3 |
| | Scientific Presentation 6060* | 1 | Bioengineering Fundamental* | 3 |
| | | | Department Seminar 6090* | 0.5 |
| | | | Bioengineering or Bus/Law Elective | 3 |
| Spring | bioInnovate II | 4 | bioInnovate II | 4 |
| | Clinical Problem Solving Through Strategic Analysis | 3 | Clinical Problem Solving Through Strategic Analysis | 3 |
| | Scientific Presentation 6061* | 1 | Bioengineering Fundamental* | 3 |
| | | | Bioengineering Elective | 3 |
| | | | Department Seminar 6090* | 0.5 |
| | | | Bioengineering or Bus/Law Elective | 3 |
| | | | | |
| | Qualifying Exam | | Qualifying Exam | |
| Total Credits | | 36 | | 30 |
| *Bioengineering Core Curriculum 15-17 credit hours | <u>Life Science Fundamental</u> | | <u>Bioengineering Fundamental</u> | |
| | 2 courses required | | 2 courses required | |
| | | Cell Physiology 6050 (3) | | Medical Imaging Sys 5401 (3) |
| | | Systems Physiology 6000 (4) | | Biomaterials 6302 (3) |
| | | Systems Neuroscience 6430 (4) | | Biomechanics 6202 (3) |
| | | Neural Engineering 6440 (3) | | Molecular Biophysics 6002 (3) |
| | <u>Scientific Presentations</u> | | <u>Scientific Presentations</u> | |
| | All courses required | | All courses required | |
| | | Scientific Presentation 6060 (1) | | Department Seminar, Fall (0.5) |
| | | Scientific Presentation 6061 (1) | | Department Seminar, Spring (0.5) |