## Master of Engineering in Bioengineering

**Major: BE**
**Degree: MEN**
**Unit: SP**

| | **Semester Hours Total** |
|---|---|
| **Higher Studies Division** | |
| BE 621, 691 | 7 |
| BE Program Electives [1] | 15 |
| BE M.Eng. Thesis [2] | 6 |
| ME 637 | 3 |
| PHCI 621 | 2 |
| **Minimum Total** | **.....33** [3] |

[1] A student specializing in BE is required to select five approved electives (500 or 600 Level) totaling at least 15 semester hours. By proper choice of these electives, a student may develop specific strengths in areas such as bioelectronics, biomedical devices, bioinformatics, bioimaging, biomechanics, rehabilitation engineering, molecular engineering, cellular engineering or tissue engineering. However, depending on faculty availability and other departmental needs, sufficient courses may not be offered in any one or two year period to allow a student to specialize in some of these areas. Therefore, these electives need not necessarily be BE courses, but the student's research advisor and academic advisor must approve non-Bioengineering courses from a list of appropriate engineering design and engineering science courses available in the BE Department.

[2] A full-time student is required to have selected both an approved M.Eng. thesis topic and the director and members of the thesis committee during the first term of the graduate/professional year. Six (6) semester hours of BE 697 are required to satisfy the minimum M.Eng. thesis requirements.

[3] The five-year total for the M.Eng. degree in Bioengineering is 171 semester hours.