MS Degree Recommended Core and Tracks

M.S. Thesis Degree – 30 credits (including 6 research credits (BIOE 8910))

DEPARTMENTAL CORE

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOE 6150 – Research Principles</td>
<td>(1 credit)</td>
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<tr>
<td>BIOE 8000 – Seminar</td>
<td>(up to 2 credits)</td>
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<tr>
<td>BIOE 8460 – Biomedical Basis for Engineered Replacements</td>
<td>(3 credits)</td>
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TRACKS – RESEARCH FOCUSED

<table>
<thead>
<tr>
<th>Track Name</th>
<th>Core Class</th>
<th>Members</th>
</tr>
</thead>
</table>
| Biomaterials Engineering               | BIOE 8010 - Biomaterials | Bob Latour (Track Chair)
                                              |                        | Jeoung Soo Lee
                                              |                        | Ying Mei
                                              |                        | Alexey Vertegel
                                              |                        | Jeremy Gilbert
                                              |                        | Angela Alexander-Bryant |
| Regenerative Medicine                  | BIOE 8010 - Biomaterials | Dan Simionescu (Track Chair)
                                              |                        | Aggie Simionescu
                                              |                        | Ann Foley
                                              |                        | Sarah Harcum
                                              |                        | Jeremy Mercuri
                                              |                        | Naren Vyawahare
                                              |                        | Ken Webb
                                              |                        | Brian Booth
                                              |                        | Renee Cottle |
| Bioelectrical Engineering              | BIOE 8700 - Bioinstrumentation | Delphine Dean (Track Chair)
                                              |                        | Bruce Gao
                                              |                        | Jordon Gilmore
                                              |                        | Tong Ye
                                              |                        | Joseph Singapogu
                                              |                        | David Karig |
| Biomechanical Engineering              | BIOE 8200 - Biomechanics | Jiro Nagatomi (Track co-Chair)
                                              |                        | Martine LaBerge (Track co-Chair)
                                              |                        | Hai Yao
                                              |                        | Melinda Harman
                                              |                        | John DesJardins
                                              |                        | Will Richardson |