**PLAN OF WORK-CHECKLIST**
**DOCTOR OF PHILOSOPHY IN BIOMEDICAL ENGINEERING**

Name: Last, First, Middle

- Prior Engineering Degree: ✔
- Other Degree: 

ID Number

Degree of Science

Doctoral Advisor
Wayne State University Department of Biomedical Engineering
School, Department

After filling the following table, check these boxes

- ✔ Completed 30 credits of coursework at Wayne State University
- ✔ Completed 30 credits at the 7000-level or above: *enter A in the last column
- ✔ Completed 12 credits of BME lecture coursework excluding core courses: **enter B in the last column

Completed 12 credits of BME lecture coursework excluding core courses: **enter B in the last column

<table>
<thead>
<tr>
<th>Sem., Year</th>
<th>Course #</th>
<th>Course Description</th>
<th>Credit$</th>
<th>Grade</th>
<th>Transfer (enter Tr)</th>
<th>A* and/or B**</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔ Core Courses (17/18 credits of course work)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BME 5010</td>
<td>Advanced Quantitative Physiology</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BME 5020</td>
<td>Comp &amp; Math Apps</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO5040 / FPH7015</td>
<td>Biological Statistics/ Biological Statistics</td>
<td>3/4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BME 7010</td>
<td>Functional Anatomy</td>
<td>4</td>
<td></td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BME 8070</td>
<td>Seminar in BME</td>
<td>1</td>
<td></td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BME 8080</td>
<td>Doc Seminar BME</td>
<td>1</td>
<td></td>
<td>A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- ✔ Life Sciences Minor Courses (Minimum 6 credits of course work)

- ✔ Doctoral Dissertation (30 credits of BME 999X)

| BME9991-4 | Doctoral Dissertation                      | 30       |         |       |                   |               |

- ✔ Elective Courses (37/36 credits of course work, and Min. 12 credits in BME lecture coursework)

<table>
<thead>
<tr>
<th>Credit$</th>
<th>Grade</th>
<th>Transfer (enter Tr)</th>
<th>A* and/or B**</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>AB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits (Minimum 90)

$In Credit Column, enter W for waived credit in Core Course; # of credits hours for Transferred Course.

Student’s Signature/Date: ________________________________

Advisor’s Signature/Date: ________________________________

Graduate Program Chair’s Signature/Date: ________________________________

Rev. 09/09/19
Doctoral Coursework

Overall Requirements. A minimum of 90 semester credits beyond the baccalaureate degree are required.

- Minimum of 30 credits at the 7000-level or above.
  (may include BME 7010, BME 7990, BME 7996, BME 8070, BME 8080, and life science courses)
- If more than 12 credits of 7990 and 7996 are to be applied to the degree, this must be substantially justified by both the student and the advisor and must be approved by the Graduate Program Officer
- At least 30 credits of coursework, outside of dissertation direction, must be completed at Wayne State

Credit Breakdown. The 90 semester credits should consist of:

- 17/18 credits of core courses plus 37/36 credits of elective coursework
- 6 credits of life sciences minor
- 30 credits of dissertation research (BME 999x)

The details of credits are given below.

17 - 18 credits of core courses:

- BME 5010 – Advanced Quantitative Physiology (4 cr)
- BME 5020 - Computer and Mathematical Applications (4 cr)
- BIO 5040 or FPH 7015 - Biological Statistics (3-4 cr)
- BME 7010 - Functional Anatomy (4 cr)
- BME 8070 - Seminar in Biomedical Engineering (1 cr)
- BME 8080 – Doctoral Seminar in Biomedical Engineering (1 cr)

36-37 credits of elective coursework:

- Minimum of 12 credits of lecture credits in the Biomedical Engineering program excluding the core courses and minor.

6 credits of a minor in the life sciences

- 6 credits of graduate life science courses beyond those of the core courses above.
- ANA7010: If ANA 7010 (Gross Anatomy) is used as life sciences minor requirement, it can be used to substitute BME 7010 and 4 of the required 6 minor credits. In addition, 2 credits of life sciences outside of the core courses are needed to meet 6 minor credits.

30 credits of dissertation research (BME 999x)

Transfer of Credit - Doctor of Philosophy Form
Transfer credit must be appropriate to the student's degree program. Student should adhere to these guidelines when requesting transfer of credit.

- A student wishing to transfer graduate credit toward the Ph.D. program should file a Transfer of Credit - Doctor of Philosophy Form with the Doctor of Philosophy - Plan of Work.
- Transfer of Credit form must be accompanied by 1) course syllabus and 2) original, official transcripts from the university where the credit was earned.
- A minimum grade of B is necessary to transfer credits; B-minus credits and courses graded "P" or "S" (Pass or Satisfactory) are not transferable.
- Transfer credit cannot be used to reduce the minimum requirement of thirty credits that must be earned at Wayne State.

Rev. 09/09/19