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

| Name: Last, First, Middle |                 | Banner ID Number                    |                    | Doctoral Advisor |                 |             |
|---------------------------|-----------------|-------------------------------------|--------------------|------------------|-----------------|-------------|
| Prior Engineering Degree: |                 |                                     |                    |                  |                 |             |
| Thor Engineering Degree.  |                 | Degree                              |                    |                  |                 |             |
| Other Deg                 | gree:           | -                                   |                    | •                |                 |             |
|                           |                 | Degree                              | School, Department |                  |                 |             |
| ☐ Completed               | d 30 credits of | f coursework at Wayne State Uni     |                    | 1                |                 |             |
| _                         |                 | t the 7000-level or above: *enter 7 | •                  | st colum         | n               |             |
| _                         |                 | level credits:                      |                    |                  |                 |             |
|                           |                 | f BME lecture coursework exclud     | ling core c        | ourses: e        | nter B in the   | last column |
| Sem., Year                | Course #        | Course Description                  | Credit§            | Grade            | Transfer?       | B and/or 7S |
| ☑ Core Cou                | rses (13/14 cr  | redits of course work)              |                    |                  |                 |             |
|                           | BME 5010        | Advanced Quantitative Physiology    | 4                  |                  |                 |             |
|                           | BME 5020        | Comp & Math Apps                    | 4                  |                  |                 |             |
|                           | BIO 5040 or     |                                     |                    |                  |                 |             |
|                           | BIO 7045 or     | Biological Statistics (specify one) | 3/4                |                  |                 |             |
|                           | FPH 7015        | Biological statistics (specify one) |                    |                  |                 |             |
|                           | BME 8070        | Seminar in BME                      | 1                  |                  |                 | 7S          |
|                           | BME 8080        | PhD Qualifying Exam                 | 1                  |                  |                 | 7S          |
| <b>☑</b> Doctora          |                 | 1 (30 credits of BME 9991-4)        | 1                  |                  |                 | 1 / 5       |
| E Doctora                 | BME 9991        | (30 creats of BME 7771-4)           | 7.5                |                  |                 |             |
|                           | BME 9992        | Doctoral Dissertation               | 7.5                |                  |                 |             |
|                           |                 |                                     |                    |                  |                 |             |
|                           | BME 9993        |                                     | 7.5                |                  |                 |             |
|                           | BME 9994        |                                     | 7.5                |                  |                 |             |
| <b>☑</b> Elective (       | Courses (47/40  | 6 credits of course work, and Min   | ı. 12 credit       | s in BMI         | L lecture cou   | rsework)    |
|                           |                 |                                     |                    |                  |                 |             |
|                           |                 |                                     |                    |                  |                 |             |
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|                           |                 |                                     |                    |                  |                 |             |
|                           |                 |                                     |                    |                  |                 |             |
|                           |                 |                                     |                    |                  | 1               |             |
|                           |                 |                                     |                    |                  |                 |             |
| Total Credite             | s (Minimum 9    | <b>30</b> 7                         |                    |                  |                 |             |
| Str. Credit Cal           | s (William )    | for waived credit in Core Course; # | of anodita         | harra fan        | Tuon of our old | 7           |
| "In Credit Coit           | ımn, enter w    | for waived credit in Core Course; # | of credits         | nours for        | Transferred C   | Lourse.     |
| □ Es aultes A de          | .i.a 1. a.ai.fi | . d                                 | 4                  |                  |                 |             |
| □ Faculty Au              | isor nas verm   | ed coursework & requirements me     | l                  |                  |                 |             |
| Student's Sign            | ature/Date·     |                                     |                    |                  |                 |             |
| Student a Digit           |                 |                                     |                    |                  |                 |             |
| Faculty Advisor           | or's Signature/ | /Date:                              |                    | <del> </del>     |                 |             |
| Graduate Prog             | ram Director's  | s Signature/Date:                   |                    |                  |                 |             |

## **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 7990, BME 8070, BME 8080)
- Maximum of **16** credits of 7990 can be applied to the degree.
- 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:

- 13/14 credits of core courses plus 37/36 credits of elective coursework
- **30** credits of dissertation research (BME 999x)

The details of credits are given below.

#### 13 - 14 credits of core courses:

BME 5010 – Advanced Quantitative Physiology (4 cr)
BME 5020 - Computer and Mathematical Applications (4 cr)
BIO 5040, BIO 7040 or FPH 7015 - Biological Statistics (3-4 cr)
BME 8070 - Seminar in Biomedical Engineering (1 cr)
BME 8080 – PhD Qualifying Exam (1 cr)

## 46-47 credits of elective coursework:

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

#### 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, with final grades posted, from the university where the credit was earned.
- A minimum grade of B is necessary to transfer credits; B-minus, "P" or "S" (Pass or Satisfactory) grades are not transferable.
- Transfer credit cannot be used to reduce the minimum requirement of thirty credits that must be earned at Wayne State.