

# BELHAVEN UNIVERSITY

## CHECKLIST FOR GRADUATION REQUIREMENTS IN MATHEMATICS/ MECHANICAL ENGINEERING

### BACHELOR OF SCIENCE - TRANSFER

Minimum of 124 credit hours required for graduation

|                   |                               |
|-------------------|-------------------------------|
| General Education | 37 hours                      |
| Major             | 61 hours                      |
| General Electives | 26 hours (taken at UM or MSU) |
| Total:            | 124 hours                     |

Name: \_\_\_\_\_

ID#: \_\_\_\_\_

#### **Freshman Year (Fall):**

|                                |    |       |
|--------------------------------|----|-------|
| BU 102 Transfer Success        | 1  | _____ |
| BIB 220 Exploring the OT       | 3  | _____ |
| ENG 101 Freshman English I     | 3  | _____ |
| MAT207 Calculus I*             | 3  | _____ |
| CHE111 General Chemistry I     | 3  | _____ |
| CHE113 General Chemistry Lab I | 1  | _____ |
| MAT 185 Overview of Math       | 1  | _____ |
| Total                          | 15 |       |

#### **Freshman Year (Spring):**

|                                 |    |       |
|---------------------------------|----|-------|
| ENG 102 Freshman English II*    | 3  | _____ |
| MAT208 Calculus II*             | 3  | _____ |
| MAT303 Discrete Mathematics*    | 3  | _____ |
| CHE112 General Chemistry II     | 3  | _____ |
| CHE114 General Chemistry Lab II | 1  | _____ |
| PHY 119 Intro to Engineering    | 3  | _____ |
| Total                           | 16 |       |

#### **Sophomore Year (Fall):**

|                                 |    |       |
|---------------------------------|----|-------|
| PHY251 Engineering Physics I    | 3  | _____ |
| PHY253 EP Lab I                 | 1  | _____ |
| MAT209 Calculus III*            | 3  | _____ |
| MAT311 Linear Algebra*          | 3  | _____ |
| MAT315 Proof Exposition         | 1  | _____ |
| BIB221 Exploring the NT         | 3  | _____ |
| CSC 111/112 Fund of Programming | 4  | _____ |
| Total                           | 18 |       |

#### **Sophomore Year (Spring):**

|                                |    |       |
|--------------------------------|----|-------|
| MAT304 Differential Equations* | 3  | _____ |
| PHY252 Engineering Physics II  | 3  | _____ |
| PHY254 EP Lab II               | 1  | _____ |
| MAT210 Calculus IV*            | 3  | _____ |
| PHY309 Engineering Statics     | 3  | _____ |
| PHY125 Science and Culture I   | 4  | _____ |
| Total                          | 17 |       |

#### **Junior Year (Fall):**

|   |    |       |
|---|----|-------|
| American/British Lit Elective* (Choose one) |    |       |
| ENG 201,202 or                              |    |       |
| ENG 205, 206                                | 3  | _____ |
| HIS 205 Contemp. World History              | 3  | _____ |
| MAT491 Topics of Math Research I            | 1  | _____ |
| MAT305 Statistics and Prob                  | 3  | _____ |
| WVC 302 Christian Interpretation            | 2  | _____ |
| WVC401 Kingdom Life                         | 3  | _____ |
| Total                                       | 15 |       |

#### **Junior Year (Spring):**

|                                   |    |       |
|-----------------------------------|----|-------|
| ENG 203/204 World Lit.*           | 3  | _____ |
| HIS107/108 Civilization           | 3  | _____ |
| MAT410 Advanced Calculus          | 3  | _____ |
| PHY321 Engr Thermodynamics        | 3  | _____ |
| MAT Elective                      | 3  | _____ |
| MAT492 Topics of Math Research II | 2  | _____ |
| Total                             | 17 |       |

**\*Course has prerequisites; Please see catalogue for details**

**CHAPEL IS REQUIRED FOR ALL STUDENTS FOR EACH SEMESTER THEY ATTEND BELHAVEN**

as of 3/25/2020