

# BELHAVEN UNIVERSITY

## CHECKLIST FOR GRADUATION REQUIREMENTS IN **MATHEMATICS: CHEMICAL ENGINEERING**

### BACHELOR OF SCIENCE - **FRESHMAN (ODD YEAR)**

Minimum of 124 credit hours required for graduation

NAME \_\_\_\_\_

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

General Education	34 hours
Major	68 hours
UM/MSU Engineering	22 hours
Total	124 hours

#### **FRESHMAN YEAR (FALL):**

BU 101 Belhaven Basics	(1) _____
BIB 220 Exploring the Old Testament	(3) _____
ENG 101 Freshman English I	(3) _____
MAT 185 Overview of Mathematics	(1) _____
MAT 207 Calculus I*	(3) _____
CHE 111 General Chemistry I*	(3) _____
CHE 113 General Chemistry I Lab*	(1) _____
PHY 119 Introduction to Engineering	(3) _____

**Total: 18**

#### **FRESHMAN YEAR (SPRING):**

BIB 221 Exploring the New Testament	(3) _____
ENG 102 Freshman English II*	(3) _____
MAT 208 Calculus II*	(3) _____
MAT 303 Discrete Mathematics*	(3) _____
CHE 112 General Chemistry II*	(3) _____
CHE 114 General Chemistry II Lab*	(1) _____

**Total: 16**

#### **SOPHOMORE YEAR (FALL):**

CHE 215 Organic Chemistry I*	(3) _____
CHE 217 Organic Chemistry I Lab*	(1) _____
MAT 209 Calculus III*	(3) _____
MAT 315 Proof Exposition*	(1) _____
Math Elective (300/400 Level)*	(3) _____
PHY 251 Engineering Physics I*	(3) _____
PHY 253 Engineering Physics I Lab*	(1) _____

**Total: 15**

#### **SOPHOMORE YEAR (SPRING):**

CHE 216 Organic Chemistry II*	(3) _____
CHE 218 Organic Chemistry II Lab*	(1) _____
MAT 210 Calculus IV*	(3) _____
MAT 410 Advanced Calculus*	(3) _____
PHY 252 Engineering Physics II*	(3) _____
PHY 254 Engineering Physics II Lab*	(1) _____
SCI 125 or 126 Gen Ed Science	(4) _____

**Total: 18**

#### **JUNIOR YEAR (FALL):**

ENG 225 Ancient Literature*	(3) _____
HIS 225 Ancient History*	(3) _____
HUM 225 Biblical Themes I*	(1) _____
MAT 311 Linear Algebra*	(3) _____
MAT 491 Topics of Math Research I*	(1) _____
Math Elective (300/400 Level)*	(3) _____
WVC 401 Kingdom Life*	(3) _____

**Total: 17**

#### **JUNIOR YEAR (SPRING):**

ENG 226 Enlightenment to 21 <sup>st</sup> Century*	(3) _____
HIS 226 Enlightenment to 21 <sup>st</sup> Century*	(3) _____
HUM 226 Biblical Themes II*	(1) _____
CSC 251 Programming in MATLAB	(3) _____
MAT 304 Differential Equations*	(3) _____
MAT 492 Topics of Math Research II*	(2) _____
PHY 321 Engineering Thermodynamics	(3) _____

**Total: 18**

**REMAINING COURSES TO BE COMPLETED AT UNIVERSITY OF MISSISSIPPI OR MISSISSIPPI STATE UNIVERSITY**

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

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

For assistance reading this document contact the Registrar's Office.

Revised 3/26/2025