## GRACE CORE ( 39 credits)

Students will integrate faith and learning across disciplines, demonstrate foundational knowledge and ways of knowing, cultivate characteristics of maturity in relationships with God, others, self, and the world, and apply knowledge to all aspects of life through intellectual and practical skills.

| 1000-Level Courses |  |
| :--- | :--- |
| First-Year Learning Communities |  |
| FYE 1000 | First-Year Foundations |
| BIB 1050 | Exploring the Bible |
| PSY 1200 | Essentials of Behavioral Science |
| HIS 1050 | Current Issues in Historical Context |

First-Year Learning Competencies
ENG 1100 Effective Writing
COM 1100 Public Speaking

## 2000-Level Courses

HUM 2100 Creative Arts \& Culture 3
@ HUM 2000 Global Perspectives 3
SCI 2030 Faith, Science, \& Reason 3
HUM 2010-30 Cross-Cultural Field Experience 0
@ BIB 2010 Scripture and Interpretation 3

## 3000-Level Courses

ECN 3000 Consumer Economics 3
PHI $3010 \quad$ Christianity and Critical Thinking 3
@ BIB 3300 Essential Doctrinal Themes 3

## ADDITIONAL GENERAL EDUCATION--B.S. DEGREE (7 credits)

| Satisfies B.S. Degree |  |  |
| :--- | :--- | :--- |
| MAT 1000+ | MAT 3130 Linear Algebra | $\mathbf{3}$ |
| @ CHM 1610 | Chemistry I | $\mathbf{4}$ |
| @ CHM 1620 | Chemistry I Lab | 0 |

## THE MAJOR (91 credits)

|  | MATH AND SCIENCE REQUIREMEN |  |
| :--- | :--- | :--- |
|  | MAT 1230 | Calculus I |
|  | MAT 1240 | Calculus I Lab |
| @ | MAT 1250 | Calculus II |
| @ | MAT 2250 | Calculus III |
| @ | MAT 2280 | Differential Equations |
| @ | PHY 2240 | University Physics I |
| @ | PHY 2250 | University Physics I Lab |
| @ | PHY 2260 | University Physics II |
| @ | PHY 2270 | University Physics II Lab |
|  | MAT 3200 | Probability and Statistics |

## ENGINEERING SCIENCE REQUIREMENTS (25 Cr)

| MEG 2110 | Engineering Statics | $\mathbf{3}$ |
| :--- | :--- | :--- |
| MEG 2150 | Strength of Materials | $\mathbf{3}$ |
| MEG 2200 | Dynamics | $\mathbf{3}$ |
| MEG 2300 | Engineering Materials | $\mathbf{3}$ |
| MEG 2400 | Electrical Science (Circuits) | $\mathbf{4}$ |
| MEG 2500 | Thermodynamics | $\mathbf{3}$ |
| MEG 2600 | Heat Transfer | $\mathbf{3}$ |
| MEG 2700 | Fluid Mechanics | $\mathbf{3}$ |

[^0]IS A MINOR REQUIRED WITH THIS MAJOR? NO

CHECKSHEET TOTAL CREDITS: 137 TOTAL CREDITS NEEDED TO GRADUATE: 137


[^0]:    GRADUATION REQUIREMENTS
    To receive a degree, each student must satisfy checksheet requirements, earn 137 credit hours, have earned a grade of C- or better in major courses while maintaining a 2.2 GPA in major courses, and a GPA of 2.0 overall. It is the student's responsibility to work with his/her advisor and monitor progress toward these goals. Some majors and/or minors may have more stringent guidelines.

