# COLLEGE OF ARTS \& SCIENCES 2022-2023 PHYSICAL SCIENCE - PRE-ENGINEERING 

3-2 DUAL DEGREE PLAN

## FIRST YEAR - FRESHMAN

| Fall Semester |  |  |  | Spring Semester |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dept | Crse\# | Course Name | Hrs | Dept | Crse\# | Course Name | Hrs |
| BIB | 121 | The Life of Christ ${ }^{1}$ | 2 | BIB | 122 | Acts of Apostles ${ }^{1}$ | 2 |
| CHE | 121 | General Chemistry I | 3 | CHE | 122 | General Chemistry II ${ }^{3}$ | 3 |
| CHE | 121L | General Chemistry I Lab | 1 | CHE | 122L | General Chemistry II Lab ${ }^{3}$ | 1 |
| ENG | 101 | English Composition $\mathrm{I}^{1}$ | 3 | ENG | 102 | English Composition $\mathrm{II}^{1,3}$ | 3 |
| ENS | 101 | Introduction to Engineering | 2 | ENS | 103 | Engineering Graphics | 3 |
| MAT | 120 | Pre-calculus ${ }^{2}$ | 4 | MAT | 122 | Analytics and Calculus I ${ }^{3}$ | 4 |
|  |  |  | 15 |  |  |  | 16 |
| SECOND YEAR - SOPHOMORE |  |  |  |  |  |  |  |
| Fall Semester |  |  |  | Spring Semester |  |  |  |
| Dept | Crse\# | Course Name | Hrs | Dept | Crse\# | Course Name | Hrs |
| BIB |  | Bible | 2 | BIB |  | Bible | 2 |
| CIS | 171 | Computer Programming I | 3 | MAT | 224 | Analytics and Calculus III ${ }^{3}$ | 4 |
| MAT | 223 | Analytics and Calculus $\mathrm{II}^{3}$ | 4 | PHS | 212 | Physics for Sci. \& Engrs. II ${ }^{3}$ | 4 |
| PHS | 211 | Physics for Sci. \& Engrs. $\mathrm{I}^{2,3}$ | 4 | 1 |  |  | 3 |
| 1 |  |  | 3 | 4 |  |  | 3 |
|  |  |  | 16 |  |  |  | 16 |
| THIRD YEAR - JUNIOR |  |  |  |  |  |  |  |
| Fall Semester |  |  |  | Spring Semester |  |  |  |
| Dept | Crse\# | Course Name | Hrs | Dept | Crse\# | Course Name | Hrs |
| BIB | 346 | Found. of Faith ${ }^{1}$ (or BIB 446) | 3 | BIB | 495 | Values in Human Thought ${ }^{1,3}$ | 3 |
| ENS | 231 | Engr. Mech. I: Statics ${ }^{3}$ | 3 | ENS | 232 | Engr. Mech. II: Dynamics ${ }^{3}$ | 3 |
| ${ }^{1}$ |  |  | 3 | MAT | 345 | Differential Equations ${ }^{3}$ | 3 |
| 4 |  |  | 3 | 1 |  |  | 3 |
| 4 |  |  | 3 | 4 |  |  | 3 |
| 4 |  |  | 3 | 4 |  |  | 3 |
|  |  |  | 18 |  |  |  | 18 |

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## ADDITIONAL ITEMS RELATED TO THE MAJOR

- Liberal Arts Core courses should be chosen to satisfy FHU and engineering school requirements.
- CHE 321 and CHE 322 may be recommended for Chemical Engineering, check with engineering school.
- ACC 231 and ACC 233 may be recommended for Industrial Engineering, check with engineering school.

The following guidelines are important. Failure to follow these guidelines may delay graduation.

1. Plan schedules carefully. Plan to fulfill prerequisites for future courses.
2. Do not alter the sequence of courses without consulting with your academic adviser as not all classes are offered every semester.
3. Before the enrollment period, check to make sure holds will not prevent you from
4. Register for classes early during the registration period to secure classes.

The 3-2 Dual Degree Plan is a suggested plan of study. This plan does not replace the Undergraduate Catalog. The Undergraduate Catalog provides the official listing of program requirements.

## 2022-23 Undergraduate Liberal Arts Core Requirements




[^0]:    ${ }^{1}$ Liberal Arts Core Requirement
    ${ }^{2}$ Liberal Arts Core Requirements in Undergraduate Catalog
    ${ }^{3}$ Course has prerequisite. See corresponding Undergraduate Catalog
    ${ }^{4}$ Consult with the pre-engineering advisor for engineering school requirements.

