# B.S. IN GAME DESIGN MAJOR: Sample 4-Year Plan (2024-2025)

## FRESHMAN (30 hours)

### Fall Semester (15 hours)
- COR 1002 Gateway Seminar
- EGL 1013 English I
- BBL 1013 Old Testament Survey
- MTH 1163 Calculus I
- CS 1233 Object-Oriented Programming
- CS 1301 Introduction to Game Design

### Spring Semester (15 hours)
- EGL 1023 English II
- BBL 1023 New Testament Survey
- MTH 1153 Linear Algebra
- PSY 1013 Intro to Psychology
- ART 1123 Computer Graphics

## SOPHOMORE (30 hours)

### Fall Semester (15 hours)
- HST 2013 Integrated Humanities I
- Natural Science Elective I*
- ART 2613 Digital Illustration
- MTH 2213 Discrete Mathematics**
- Statistics Elective*

### Spring Semester (15 hours)
- HST 2023 Integrated Humanities II
- ART 2273 3D Modeling for Des & Illustrators
- EGL 2273 Intro to Creative Writing
- CS 3333 Game Design I (Spring even year)
- PSY 3423 Social Psychology (Spring only)

## JUNIOR (28 hours)

### Fall Semester (15 hours)
- BBL 2013 Evangelical Theology
- Natural Science Elective II*
- Literature Elective*
- Physics Elective *
- Minor/Elective*

### Spring Semester (13 hours)
- BBL 2022 Christian Formation
- Whole Person Wellness Elective*
- CS 3343 Game Design II (Spring odd year)
- Minor/Elective*
- Minor/Elective*

## SENIOR (30 hours)

### Fall Semester (15 hours)
- EN 4113 Capstone I
- Intercultural Engagement Elective*
- Minor/Elective*
- Minor/Elective*
- Minor/Elective*

### Spring Semester (15 hours)
- EN 4123 Capstone II
- Minor/Elective*
- Minor/Elective*
- Minor/Elective*
- Minor/Elective*
- Minor/Elective*

* See the Academic Catalog for the list of classes that meet this criteria.
** See requisites to take this course.

*(Students must complete a minor, a double major, or a dual degree plus electives as necessary to complete the minimum of 120 hours total)*

*Revised 4/16/2024*
### MINORS for BS – Game Design
(Option for at least one of the following Minors) - 18 hours

#### Artificial Intelligence
- [ ] CS 1233 OOP
- [ ] CS 2243 Data Structures
- [ ] CS 3643 Artificial Intelligence
- [ ] CS 3773 Big Data & Cloud Computing
- [ ] CS 4023 Advanced Computing Concepts
- [ ] CYB 7103 Cybersecurity Foundations (Online)

#### Computer Science
- [ ] CS1233 Object-Oriented Programming
  - Five of the Following
  - [ ] CS 1513 Java Programming
  - [ ] CS 2173 Computer Networking
  - [ ] CS 2243 Data Structures and Algorithms
  - [ ] CS 2423 Web Applications
  - [ ] CS 2823 C# & dotNET
  - [ ] CS 3213 Computer Architecture & Operating System
  - [ ] CS 3363 Database Design
  - [ ] CS 3443 Machine Learning
  - [ ] CS 3473 Advanced Web Applications
  - [ ] CS 3533 Software Engineering
  - [ ] CS 3643 Artificial Intelligence
  - [ ] CS 3683 Advanced JAVA Programming
  - [ ] CS 3773 Big Data & Cloud Computing
  - [ ] CS 4023 Advanced Computing Concepts
  - [ ] CS 4083 Software Testing & Quality Assurance
  - [ ] CYB 7103 Cybersecurity Foundations (Online)
  - [ ] CYB 7223 Network and Cloud Security (Online)

#### Full Stack Development
- [ ] CS 1233 OOP
- [ ] CS 2423 Web Applications
- [ ] CYB 7103 Cybersecurity Foundations (Online)
- [ ] CS3683 Advance Java Programming
- [ ] CS3473 Advanced Web Applications
- [ ] CS4083 Software Testing & Quality Assurance

#### Cybersecurity
- [ ] CS 1113 Intro to Computing
  - Any ONE
    - [ ] BUS 2193 Business Statistics (On Campus and Online)
    - [ ] MTH 1003 Introduction to Statistics (On Campus and Online)
  - Any FOUR
    - [ ] CYB 7103 Cybersecurity Foundations (Online)
    - [ ] CYB 7223 Network and Cloud Security (Online)
    - [ ] CYB 7233 Information Technology Risk Management (Online)
    - [ ] CYB 7243 Web Application Security (Online)
    - [ ] CYB 7433 Incident Management (Online)

#### Data Analytics
- [ ] CS 1113 Intro to Computing
  - Any One
    - [ ] CS 1233 Object Oriented Programming
  - Any One
    - [ ] BUS 2193 Business Statistics
    - [ ] MTH 1003 Introduction to Statistics
    - [ ] MTH 2103 Applied Statistics for Scientists
  - Any TWO
    - [ ] DAT 3113 Basic Data Analytics
    - [ ] DAT 4253 Business Decision Modeling & Predictive Analysis
    - [ ] DAT 4313 Data Visualization
  - Any TWO
    - [ ] CS 2243 Data Structures and Algorithms
    - [ ] CS 3363 Database Design
    - [ ] CS 3643 Artificial Intelligence
    - [ ] CS 3773 Big Data & Cloud Computing