### General Education Requirements (35 Credits)

#### Biblical Worldview: All Required
- [ ] GENE 100  The Making of a Christian Mind (3)
- [ ] GENE 402  The Making of a Christian Leader (3)

#### Communication: 6 credits
- [ ] COMM 110  Public Speaking (3)
- [ ] UNIV 100  Regent Foundations of Success (3)<sup>1</sup>
- [ ] ENGL 101  English Composition (3)

#### Critical Thinking & Moral Reasoning: 6 credits
- [ ] ENGL 102  Research & Academic Writing (3)
- [ ] GENE 250  The Making of the Christian Life (3)

#### Cultural Foundations - Literature: 3 credits
- [ ] ENGL 205  Literature of the Western World (3)

#### Cultural Foundations - Economics: 3 credits
- [ ] ECON 101  Introduction to Economics (3)*
- [ ] ECON 120  Microeconomics (3)

#### Cultural Foundations - U.S. History or Government: 3 credits
- [ ] HIST 201  U.S. History I (to 1877) (3)
- [ ] HIST 202  U.S. History II (from 1877) (3)
- [ ] GOVT 201  The American Republic (3)

#### Quantitative & Scientific Literacy - Natural Science: 4 credits
- [ ] PHYS 221  University Physics I (4)*

#### Quantitative & Scientific Literacy - Math: 3-4 credits
- [ ] MATH 211  Calculus (4)*
- [ ] MATH 220  Discrete Mathematics (3)*

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* Required for the Computer Engineering Major

<sup>1</sup> UNIV 100 must be taken by online students
## MAJOR & GENERAL ELECTIVE REQUIREMENTS

### Comp. Engr. Math & Science Requirements (32 credits)
- MATH 211 Calculus I (4) ^
- MATH 212 Calculus II (4) ~
- MATH 213 Calculus III (4)
- MATH 230 Linear Algebra (3)
- MATH 320 Differential Equations (3)
- PSYS 221 University Physics I with Lab (4) ~
- PSYS 222 University Physics II with Lab (4)
- ENGR 225 Prob, Stats and Quant Methods with Lab (3)

*In addition, students will choose one of the following:*
- NCSI 110 Origins of the Cosmos (3)
- NCSI 121 Foundations of Scientific Thought (3)

### Computer Engineering Requirements (30 credits)
- ECEN 220 Digital Logic Design (3)
- ECEN 320 Digital Systems Design (3)
- CSCI 210 Computer Architecture (3)
- CSCI 220 Operating Systems (3)
- CSCI 314 Programming (3)
- CSCI 315 Data Structures & Algorithms (3)
- CSCI 316 Programming Languages (3)
- CSCI 317 Database Management Systems (3)
- CSCI 450 Software Engineering (3)
- MATH 220 Discrete Math (3)

### Engineering Core Requirements (26 credits)
- ENGR 201 Engineering Foundations I (3)
- ENGR 202 Engineering Foundations II (3)
- ENGR 220 Systems Thinking and Approach (3)
- ENGR 230 Modeling, Design, and Analysis (3)
- ENGR 310 Engineering Ethics and Profession (3)
- ENGR 491 Engineering Capstone I (4)
- ENGR 492 Engineering Capstone II (4)
- CSCI 201 Introduction to Computer Science (3)

### General Electives
*Only needed if 120 credits has not been earned*
- ____________ __________________________________
- ____________ __________________________________

^ Has prerequisites that are not built into the major.

~ Requires a higher grade due to prerequisite rules. Check catalog.
General Notes

- Check Degree Works or the Catalog for course pre-requisite information.
- Minimum C- grade for major coursework required, unless otherwise specific in catalog.
- 50% of major requirements must be taken at Regent University.
- A minimum cumulative 2.0 GPA is required to maintain good academic standing.
- As a general rule, 100 and 200 level courses should be taken prior to upper level (300 and 400) level courses.
- A minimum of 120 credits is required to graduate. Includes: General Education, Major, and Elective courses.

Major Related Notes

- This program is available online only.
- MATH 211 has a prerequisite not built into the major. You must earn a B- or better in MATH 164 or equivalent course.
- MATH 211 and PHYS 221 count toward General Education and Core Major requirement categories.
- MATH 212 requires a C grade or better, due to prerequisite rules for PHYS 221.
- PHYS 221 requires a C grade or better, due to prerequisite rules for PHYS 222.
- Many of the courses in this major are prerequisites for others in the major. Please use the Course Planning Tool to map out your course schedule in order to create optimal schedules based on course rotations.

All official degree information is found in Degree Works and the Undergraduate Catalog.

Degree Works (for Active Degree seeking students only)
Course Planning Tool (Active students only)
Academic Catalogs
Academic Calendar
Academic Advising