REGENT UNIVERSITY

COLLEGE OF ARTS & SCIENCES
Bachelor of Science in Computer Engineering
Spring and Summer 2026 Approved Degree Worksheet

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)[1] On Campus Only
- ☐ UNIV 100 Regent Foundations of Success (3)[2] Online Only
- ☐ 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)*

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 Math (3)*

* Required for the Computer Engineering Major

[1] COMM 110 must be taken by on campus students only

[2] UNIV 100 must be taken by online students only

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 220 Discrete Math (3)
- ☐ 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)
  or MATH 301 Probability & Statistics I (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 240 Engineering Economy (3)
- ☐ ENGR 491 Engineering Capstone I (4)
- ☐ ENGR 492 Engineering Capstone II (4)
- ☐ CSCI 201 Introduction to Computer Science (3)
- ☐ CSCI 233 Computer Science Ethics (3)

Computer Engineering Requirements (30 credits)

- ☐ ECEN 201 Circuits (3)
- ☐ ECEN 310 Microprocessors (3)
- ☐ ECEN 320 Digital Systems Design (3)
- ☐ ECEN 340 Signals and Systems (3)
- ☐ ECEN 410 Embedded Systems (3)
- ☐ CSCI 210 Computer Architecture (3)
- ☐ CSCI 314 Programming (3)
- ☐ CSCI 315 Data Structures & Algorithms (3)
- ☐ CSCI 450 Software Engineering (3)
- ☐ ISYS 324 Network & Telecommunication Concepts (3)

General Electives *(Amount Varies)*

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.
- Major courses offered in Fall only: ENGR 225, 491, ECEN 201, 340, and PHYS 221
- Major courses offered in Spring only: ENGR 220, 240, 492, ECEN 310, 320, 410, CSCI 210, 450, and 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