## ENGINEERING AND MATH FOCUS AREA
### MATH 1190 START

#### CATALOG YEAR
2020-2021

#### FIRST AND SECOND RECOMMENDED COURSES

**SEMESTER ONE**
- ENGL 1101
- MATH 1190
- CHEM 1211 AND CHEM 1211L
- GENERAL EDUCATION COURSE
- GENERAL EDUCATION OR EXPLORATORY COURSE

**SEMESTER TWO**
- ENGL 1102
- MATH 2202
- PHYS 2211 AND PHYS 2211L
- GENERAL EDUCATION COURSE
- GENERAL EDUCATION OR EXPLORATORY COURSE

Exploratory and General Education course options are best decided in consultation with your Owl Advisor. Visit owladvising.kennesaw.edu for more information.

#### POTENTIAL EXPLORATORY COURSES BY MAJOR

**INTERESTED IN CIVIL ENGINEERING OR ENVIRONMENTAL ENGINEERING?**
- EDG 2160: CIVIL GRAPHICS & COMPUTER AIDED DRAFTING

**INTERESTED IN COMPUTER ENGINEERING OR SOFTWARE ENGINEERING?**
- CSE 1321+L: PROGRAMMING AND PROBLEM SOLVING I + LAB
- MATH 2345: DISCRETE MATHEMATICS*
  *PREREQUISITE: MATH 1113

**INTERESTED IN INDUSTRIAL AND SYSTEMS ENGINEERING?**
- CSE 1321+L: PROGRAMMING AND PROBLEM SOLVING I + LAB
- EDG 1210: SURVEY OF ENGINEERING GRAPHICS
- ENG 1100: SURVEY OF ENGINEERING APPLICATIONS FROM MATHEMATICS*
- ISYE 1000: INTRODUCTION TO INDUSTRIAL AND SYSTEMS ENGINEERING
  *PREREQUISITE: MATH 1113. CONCURRENT: MATH 1190

**INTERESTED IN MECHANICAL ENGINEERING OR MECATRONICS ENGINEERING?**
- EDG 1211: ENGINEERING GRAPHICS I

**INTERESTED IN MATHEMATICS, COMPUTER ENGINEERING, ELECTRICAL ENGINEERING, MECATRONICS ENGINEERING, OR SOFTWARE ENGINEERING?**
- CSE 1321+L: PROGRAMMING AND PROBLEM SOLVING I + LAB

#### GENERAL EDUCATION OPTIONS
- AREA B1 (CONTEMPORARY ECONOMIC ISSUES)
- AREA B2 (CULTURAL PERSPECTIVES)
- AREA C2 (ARTS AND CULTURE OF THE WORLD)
- AREA E1 (U.S. GOVERNMENT)
- AREA E2 (U.S. HISTORY)
- AREA E3 (WORLD HISTORY)
- AREA E4 (SOCIAL SCIENCES)

#### MAJORS IN THIS FOCUS AREA
- CIVIL ENGINEERING, BSCVE
- COMPUTER ENGINEERING, B.S.
- ELECTRICAL ENGINEERING, BSEE
- ENVIRONMENTAL ENGINEERING, B.S.
- INDUSTRIAL AND SYSTEMS ENGINEERING, B.S.
- MATHEMATICS, B.S.
- MECHANICAL ENGINEERING, BSME
- MECATRONICS ENGINEERING, B.S.
- SOFTWARE ENGINEERING, BSSWE