

KENNESAW STATE UNIVERSITY

B.S. in Construction Engineering (129 hours)

Academic Catalog 2018-2019

Applies to Students entering program in *Fall 2018, Spring 2019, Summer 2019*

Name _____

Phone _____

Address _____

Student ID _____

University Core

CnE MAJOR CORE

Area A: Essential Skills (9 hours)

Area A1 - ENGL 1101 (Recommended) 3 _____

Area A1 - ENGL 1102 (Recommended) 3 _____

Area A2 - MATH 1190 - Calculus I 4 _____

Area B: Institutional Option (5 hours)

Area B1 - ECON 1000 2 _____

Area B2 - COM 1100 (Recommended) 3 _____

Area C: Humanities/Fine Arts (6 hours)

Area C1 - English Literature 3 _____

Area C2 - Art and Culture 3 _____

Area D: Science, Math, Technology (10 hours)

Area D1 - PHYS 2211 & PHYS 2211L 4 _____

Area D1 - PHYS 2212 & PHYS 2212L 4 _____

Area D2 - MATH 2202 - Calculus II 4 _____

Area E: Social Sciences (12 hours)

Area E1 - US Government 3 _____

Area E2 - US History 3 _____

Area E3 - World History 3 _____

Area E4 - STS 1101 (Recommended) 3 _____

Area F: Core Related to Major (18 hours)

Math Excess from Area A2 1 _____

Physics Excess from Area D1 1 _____

Math Excess from Area D2 1 _____

EDG 2160 - Civil Graphics & CAD 3 _____

SURV 2221 - Surveying I 3 _____

SURV 2221L Surveying I Lab 1 _____

CHEM 1211 & CHEM 1211L 4 _____

CHEM 1212 & CHEM 1212L 4 _____

TOTAL UNIVERSITY CORE: 60 hours

REQUIRED COURSES (69 hours)

MATH 2306 Differential Equations 3 _____

Select one out of the three courses
 MATH 3XXX or 4XXX Any Upper Level Math Course
 ENV5 2202 Environmental Science (eCORE) 3 _____
 BIOL 1107 Biological Principals I

ENGR 2214 Engineering Mechanics - Statics 3 _____

ENGR 3131 Strength of Materials 3 _____

ENGR 3132 Strength of Materials Lab 1 _____

ENGR 3305 Data Collection and Analysis in Eng 3 _____

ENGR 3324 Project Cost Analysis** 3 _____

ENGR 3343 Fluid Mechanics 3 _____

CE 1000 Orientation to Eng and Surv Professions 1 _____

CE 2003 Engineering Problem Solving 3 _____

CE 3201 Structural Analysis 3 _____

CE 3501 Materials for Civil & Const Engineering 3 _____

CE 4178 Highway Design and Construction 3 _____

CE 4177 Transportation Engineering 3 _____

CE 4800 Senior Project 3 _____

CE 3502 Materials for CE & CnE Lab 1 _____

Select one out of the three courses
 CE 3701 Geotechnical Engineering
 CE 3702 Environmental Engineering 3 _____
 CE 4703 Engineering Hydrology

CE 3202 Design of Concrete Structure
 OR 3 _____

CE 4103 Design of Steel Structures

SURV4470 Land Development
 OR 3 _____
 CM3040 Building Information Modeling*

CM 4710 Construction Safety* 3 _____

CM 4760 Construction and Property Law* 3 _____

CM 3110 Residential & Light Const Methods* 3 _____

CM 3420 Constr. Estimating and Bid Preparation* 3 _____

CM 4510 Construction Scheduling* 3 _____

CM 4560 Construction Project Management* 3 _____

TOTAL CnE MAJOR CORE : 69 hours

CnE students are required to earn a grade of "C" or better in all courses required in the major and all courses used as electives.

**Please see your advisor in case you cannot register due to a prereq error.*

***ENGR3324 is equivalent to CM3410. Submit a "CM Course Override" form before registering for CM courses that require CM3410.*

Area A1

ENGL	1101	Composition I (Recommended)
ENGL	1102	Composition II (Recommended)

Area A2

MATH	1101	Introduction to Mathematical Modeling
MATH	1111	College Algebra
MATH	1112	College Trigonometry
MATH	1113	Pre-Calculus

MATH 1190 **Calculus I (Recommended)**

Note A2: STEM major take MATH 1112, MATH 1113 or MATH 1190

Area B1

ECON	1000	Contemporary Economic Issues
------	------	------------------------------

Area B2

FL	1002	Introduction to Foreign Language II course
AADS	1102	Issues in African and African Diaspora Studies
AMST	1102	American Identities
ASIA	1102	Introduction to Asian Cultures
GWST	1102	Love and Sex
LALS	1102	Understanding Latin America
PAX	1102	Understanding Peace and Conflict
PHIL	2200	Ways of Knowing
RELS	1102	Understanding Religious Studies
COM	2129	Public Speaking
COM	1100	Human Communication (Recommended)
POLS	2401	Global Issues

Area C1

ENGL	2110	World Literature
ENGL	2111	Early World Literature
ENGL	2112	World Literature mid 1600s to Present
ENGL	2120	British Literature
ENGL	2121	Early British Literature
ENGL	2122	British Literature late 1700s to Present
ENGL	2130	American Literature
ENGL	2131	Early American Literature
ENGL	2132	American Literature mid 1800s to Present
ENGL	2300	African-American Literature

Area C2

ART	1107	Art in Society
DANC	1107	Dance in Society
MUSI	1107	Music in Society
TPS	1107	Theatre in Society

Area E1

POLS	1101	American Government
------	------	---------------------

Area E2

HIST	2111	U.S. History to 1877
HIST	2112	U.S. History since 1877

Area E3

HIST	1100	Introduction to World History
HIST	1111	Pre-Modern World History
HIST	1112	Modern World History

Area E4

ANTH	1102	Social Issues: Perspectives in Anthropology
CRJU	1101	Social Issues: Perspectives in Criminal Justice
GEOG	1101	Social Issues: Perspectives in Geography
PSYC	1101	Social Issues: Perspectives in Psychology
SOCI	1101	Social Issues: Perspectives in Sociology
STS	1101	Social Issues: Perspectives in Science & Technology (Recommended)