

## CONSTRUCTION MANAGEMENT CONCENTRATION

### FRESHMAN YEAR

<b>Fall Semester</b>	<b>16 Credits</b>
MATH 1300	Precalculus..... (4)
ENGL 1100	Writing I ..... (3)
EXSS 1000	Health and Fitness..... (3)
ENGT 1700	Evolution of Engineering Technology ..... (3)
	LA&S Elective (ART)..... (3)

<b>Spring Semester</b>	<b>15 Credits</b>
ENGT 1020	Engineering Graphics ..... (3)
ENGL 1200	Writing II ..... (3)
ECON 1100	Principles of Economics: Macroeconomics..... (3)
ENGT 2030	Materials Testing and Quality Control..... (3)
ENGT 1050	Technical Analysis..... (3)

### JUNIOR YEAR

<b>Fall Semester</b>	<b>15 Credits</b>
ENGT 3000	Energy and Sustainable Practices..... (3)
ENGT 3025	Engineering Design: Fabrication Systems I ..... (3)
GEOG 3120	Computer Cartography ..... (3)
ENGT 3045	Analysis and Design of Structural Systems ..... (3)
CMGT 3022	Surveying ..... (3)

<b>Spring Semester</b>	<b>15 Credits</b>
CMGT 3005	Heavy / Highway Construction Systems..... (3)
ENGT 3026	Engineering Design: Fabrication Systems II ..... (3)
CMGT 3028	Estimating and Bidding ..... (3)
BSAD 2010	Introduction to Financial Reporting..... (3)
	Advanced LA&S Elective ..... (3)

#### LA&S Elective List

- 1 AOM attribute (Art or Music)
- 1 ART attribute (the Arts)
- 3 credits HAF attribute (Health/Fitness)
- 1 LIT attribute (Literature)
- 1 HIST subject (History)
- 1 HMN attribute (Human Behavior)

#### Advanced LA&S Options Area

Review the three options with your advisor and submit your decision to the Registrar's Office by completion of 60 credits.

#### Global Diversity Area

Two courses taken must meet the Global Diversity requirement: GDAN course + (GDC or GDCN course) **OR** GDCN course + (GDA or GDAN course). These courses are allowed to satisfy this requirement and another requirement at the same time.

### SOPHOMORE YEAR

<b>Fall Semester</b>	<b>17 Credits</b>
PHYS 2300	General Physics I..... (4)
PSY/SOC xxxx	LA&S Elective (HMN)..... (3)
CMGT 2035	Building Construction Systems..... (4)
ENGT 2020	Statics and Dynamics ..... (3)
ENGT 3010	Building Design I..... (3)

<b>Spring Semester</b>	<b>15 Credits</b>
ART/MUS xxxx	LA&S Elective (AOM) ..... (3)
HIST xxxx	LA&S Elective (HIST) ..... (3)
ENGL xxxx	LA&S Elective (LIT)..... (3)
ENGT 2025	Strength of Materials..... (3)
	Advanced LA&S Elective ..... (3)

### SENIOR YEAR

<b>Fall Semester</b>	<b>16 Credits</b>
CMGT 3030	MEP and HVAC Systems..... (3)
CMGT 3035	OSHA: Safety and Risk Management ..... (3)
CMGT 4025	Construction Law and Legal Systems ..... (3)
CMGT 4035	Site Planning and Land Development..... (3)
CMGT 4010	Project Scheduling ..... (3)

<b>Spring Semester</b>	<b>12 Credits</b>
CMGT 4030	Construction Management Capstone..... (3)
CMGT 4045	Seminar in Construction ..... (3)
CMGT 4020	Communication and Transportation Technologies ..... (3)
	Advanced LA&S Elective ..... (3)

**Suggested 4-year plan of study. Completion of 120 credits required for graduation.**

Revised 09-2020

# Applied Science and Technology Program

## CONSTRUCTION MANAGEMENT CONCENTRATION

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### LA&S Courses

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#### SMT Courses:

MATH 1300	Pre-calculus.....	4
PHYS 2300	General Physics I.....	4
EXSS 1000	Health and Fitness.....	3
GEOG3120	Computer Cartography.....	3

#### CTW Courses:

HIST	History (LA&S).....	3
PSY/SOC	Human Behavior.....	3
ENGT 1700	Evolution of Engineering Technology .....	3

#### ART Courses:

ART/MUS	Art/Music (LA&S).....	3
ENGL1100	Writing I .....	3
ENGL 1200	Writing II .....	3
ENGL	Literature (LA&S).....	3
ART	Art (LA&S) .....	3

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### Advanced LA&S Options B or C (existing courses including ECON 1100)

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ECON 1100	Principles of Economic–Macro .....	3
	Option B/C Elective.....	3
	Option B/C Elective.....	3
	Option B/C Elective.....	3

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### Core Courses

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ENGT 1020	Engineering Graphics .....	3
ENGT 1050	Technical Analysis.....	3
ENGT 2030	Materials Testing and Quality Control.....	3
ENGT 2020	Statics and Dynamics .....	3
CMGT 3022	Surveying.....	3
CMGT 2035	Building Construction Systems.....	4
ENGT 3010	Building Design I.....	3
ENGT 3000	Energy and Sustainable Practices.....	3
ENGT 3025	Engineering Design and Fabrication I.....	3
ENGT 3026	Engineering Design and Fabrication II .....	3
CMGT 3030	MEP and HVAC Systems.....	3
CMGT 3035	OSHA: Safety and Risk Management.....	3
CMGT 4020	Communication and Transportation Technologies .....	3
CMGT 4025	Construction Law and Legal Systems .....	3

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### Additional Courses: Construction Management Concentration

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BSAD 2010	Introduction to Financial Reporting.....	3
ENGT 2025	Strength of Materials.....	3
ENGT 3045	Analysis and Design of Structural Systems .....	3
CMGT 3005	Heavy/Highway Construction Systems .....	3
CMGT 3028	Estimating and Bidding.....	3
CMGT 4010	Project Scheduling .....	3
CMGT 4035	Site Planning and Land Development.....	3
CMGT 4045	Seminar in Construction .....	3
CMGT 4030	Construction Management Capstone.....	3

Total credit hours for the Bachelors of Science in Engineering Technology Program with Construction Management Concentration = 120