
BSET IN CONSTRUCTION ENGINEERING TECHNOLOGY

DEGREE IN THREE ACADEMIC MAP

2019-2020 CATALOG YEAR

This is an unofficial simplified checklist effective fall 2017. Degree requirements may change. You may need elective courses to help reach a minimum of 124 Total Hours & 42 Advanced Hours. Check with an advisor.

Must earn at least a grade of “C” in each course above except for most University Core courses.

CONSTRUCTION ENGINEERING TECHNOLOGY

(Bachelor of Science in Engineering Technology (B.S.E.T) degree with a major in Construction Engineering Technology)

<p>Department of Engineering Technology Discovery Park F-115; (940) 565-2022 Faculty Advisors: Mr. Al Attah Aloysisu.Attah@unt.edu</p>	<p>Engineering Advising Office Discovery Park A-101; (940) 565-4201 Academic Advisors: Mia Dallas, Rachel Smith, Adrian Stephens Mia.Dallas@unt.edu, Rachel.Smith@unt.edu, Adrian.Stephens@unt.edu</p>
University Core	Major Requirements (Grades with a C or better)
<p><u>COMMUNICATION</u></p> <ul style="list-style-type: none"> ▪ 1 Course (3 Hours) ▪ Grade of “C” or better is required <p><u>AMERICAN HISTORY I</u></p> <ul style="list-style-type: none"> ▪ 1 Course (3 Hours) <p><u>AMERICAN HISTORY II</u></p> <ul style="list-style-type: none"> ▪ 1 Course (3 Hours) 	<p><u>CONSTRUCTION ENGINEERING TECHNOLOGY</u></p> <ul style="list-style-type: none"> ▪ CNET 1160, Construction Methods & Materials (3 Hours) ▪ CNET 2180, Construction Methods & Surveying (4 Hours) ▪ CNET 2300, Architectural Drawing (2 Hours) ▪ CNET 3150, Construction Contract Documents (2 Hours) ▪ CNET 3160, Construction Cost Estimating (3 Hours) ▪ CNET 3190, Construction Scheduling (3 Hours)

FEDERAL GOVERNMENT/POLITICAL SCIENCE

- 1 Course (3 Hours)

STATE GOVERNMENT/POLITICAL SCIENCE

- 1 Course (3 Hours)

CREATIVE ARTS

- 1 Course (3 Hours)

LANGUAGE, PHILOSOPHY, & CULTURE

- 1 Course (3 Hours)

SOCIAL & BEHAVIORAL SCIENCES

- 1 Course (3 Hours)

Major Requirements (Grades of C or better)

TECHNICAL COMMUNICATIONS

- TECM 2700, Technical Writing (3 Hours)

MATHEMATICS

- MATH 1710, Calculus I (4 Hours)
- MATH 1720, Calculus II (3 Hours)

SCIENCES

- PHYS 1710, Mechanics (3 Hours) & PHYS 1730, Mechanics Lab (1 Hour)
- PHYS 2220, Electricity & Magnetism (3 Hours) & PHYS 2240, Electricity & Magnetism Lab (1 Hour)
- CHEM 1410, General Chemistry I (3 Hours) & CHEM 1430, General Chemistry I Lab (1 Hour)

- CNET 3410, Occupational Safety & Liability (3 Hours)
- CNET 3430, Structural Analysis (3 Hours)
- CNET 3440, Steel Structures (3 Hours)
- CNET 3460, Soils & Foundations (3 Hours)
- CNET 3480, Structural Design w/Concrete, Timber, etc. (3 Hours)
- CNET 4170, Construction Management (3 Hours)
- CNET 4180, Problems in Project Management (3 Hours)
- CNET 4620, Adv. Design in Cold- Formed Steel Structures (3 Hours)
- CNET 4780, Senior Design I (1 Hour)
- CENT 4790, Senior Design II (3 Hours)

- ENGR 1030, Technical System (3 Hours)
- ENGR 2301, Statics (3 Hours)
- ENGR 2332, Mechanics of Materials (4 Hours)

BUSINESS

- ACCT 2010, Accounting Principles I (3 Hours)
- BCIS 3610, Basic Information Systems (3 Hours)
- BLAW 3430, Legal & Ethical Environment of Business (3 Hours)
- BLAW 4770, Real Estate Law & Contracts (3 Hours)
- ECON 1100, Microeconomics (3 Hours)
- OPSM 3830, Operations Management (3 Hours)

TECHNICAL ELECTIVES

- Any level course chosen from appropriate elective options (3 Hours)
- Any level course chosen from appropriate elective options (3 Hours)
- Any level course chosen from appropriate elective options (2 Hours) Advanced level (3*** or 4*** level) course chosen from appropriate elective options (3 Hours)

Electives must be chosen from the subjects of business, engineering, mathematics, and science. Check with an advisor for appropriate technical elective course options. Suggestions include, but are not limited to:

MATH 1600	MFET 3110	LSCM 3960
CSCE 1030	MATH 1610	MGMT 3330
MKTG 3010	CHEM 1420	MATH 1650
MGMT 3720	MKTG 3650	PHYS 3010
MATH 3410	MGMT 3820	ENGR 1304
MATH 3680	MGMT 3850	ENGR 2302
ACCT 2020	MGMT 4470	ENGR 3450

Year 1 at UNT

FALL	Hrs.
PHYS 2220 (MATH 1720, PHYS 1710, 1730)	3
PHYS 2240 (MATH 1720, PHYS 1710, 1730)	1
CNET 2300	2
ENGR 2301 (MATH 1710, PHYS 1710, 1730)	3
ECON 1100	3
CNET 1160	3
<i>Total Hours</i>	<i>15</i>

SPRING	Hrs.
ACCT 2010 (ECON 1100)	3
ENGR 2332 (ENGR 2301)	4
TECM 2700	3
CNET 2180 (CENT 1160)	4
<i>Total Hours</i>	<i>14</i>

Year 2 at UNT

FALL	Hrs.
CNET 3150 (CNET 2180)	2
CNET 3160 (CNET 2180)	3
CNET 3430 (ENGR 2332)	3
BLAW 3430 (PSCI 2306, PSCI 2305)	3
OPSM 3830	3
<i>Total Hours</i>	<i>14</i>

SPRING	Hrs.
CNET 3190 (CNET 3160)	3
CNET 3440 (CNET 3430)	3
CNET 3460 (CNET 2180, ENGR 2332)	3
CNET 3410	3
<i>Total Hours</i>	<i>12</i>

Year 3 at UNT

FALL	Hrs.
CNET 3480 (CNET 2180, CNET 3430)	3
CNET 4170 (CENT 3160)	3
CNET 4780	1
BLAW 4770	3
BCIS 3610	3
Technical elective course	2
<i>Total Hours</i>	<i>15</i>

SPRING	Hrs.
CNET 4180 (CNET 4170)	3
CNET 4620 (CNET 3430)	3
CNET 4790 (CNET 4780)	3
Technical elective course	3
Technical elective course	3
<i>Total Hours</i>	<i>15</i>

Required prerequisite (s) indicated in parentheses

Notes:

Note 1: MATH 1710 requires one of the following as prerequisite: completion of MATH 1650 with a grade of "C" or higher; or completion of MATH 1610 with a grade of "C" or higher; or Freshman Math Group Level 3; or approval authorized by score via mathematics testing; or earned credit for a math course at or above the MATH 1710 level.

Note 2: CHEM 1410 & 1430 requires MATH 1100, College Algebra (or higher) as prerequisite. CHEM 1415 & 1435 requires MATH 1650, Pre-Calculus (or higher) as prerequisite.

Note 3: CNET 4780 requires senior classification & completion of CNET 3190, CNET 3440, and CNET 3460 as prerequisite.

Must earn at least a grade of "C" & a minimum 2.5 GPA in Communications Core, ENGR 1030, MATH 1710, PHYS 1710, CNET 1160, CNET 2180, & CNET 2300 as foundations to enroll in advanced courses.

<p><i>Credits Which Could Be Earned Prior to Enrollment at UNT – AP, IB, CLEP, DC, Transfer:</i></p> <p>Communications Core ENGR 1030 (via ENGR 1201) CHEM 1410 & 1430 HIST 2610 HIST 2620 PSCI 2305 PSCI 2306 Creative Arts Core Language Philosophy Culture Core</p>	<p><i>Credits Which Should Be Earned Prior to Enrollment at UNT – AP, IB, CLEP, DC, Transfer:</i></p> <p>MATH 1710 MATH 1720 PHYS 1710 & 1730</p>
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This is an unofficial sample schedule. Requirements, prerequisites, etc. may change. Students should meet with an advisor each semester for individual scheduling, program decisions, etc. Engineering admissions requirements must be met & a degree audit must be created in order to progress in the program to a timely graduation.