BS – Concrete Industry Management with Business Admin Minor (SC-BUS/CIM/BUS)  2024 Catalog year: College of Science and Engineering

Freshman
Fall semester
- CSM 1260 (F,S)
  Intro to Construction & Concrete Industry
- MATH 2328 (F,S,Su)
  Elementary Statistics
  TCCNS: MATH 1342

Sophomore
Fall semester
- CHEM 1335+1135 (F,S,Su)
  Engineering Chemistry
  TCCNS CHEM 1301/1109 or 1400
  (Check Prerequisites)
- TECH 2190 (Su)
  Internship

Sophomore
Spring semester
- PHYS 1315 + 1115 (F,S,Su)
  General Physics I + lab
  TCCNS: PHYS 1301+1101/1401
- TECH 2351 (F,S,Su)
  Statics and Strengths of Materials
  Also must have approved department override request

Junior
Fall semester
- ECO 2301 (F,S,Su)
  Principles of Economics
  TCCNS ECON 1301
- ACC 2301 (F,S,Su)
  Accounting in Organization & Society
- TECH 2361 (F,S,Su)
  Construction Surveying

Junior
Spring semester
- CSM 3368 (F,S)
  Construction Finance
  (Check Prerequisites)
- CSM 3350 (F,S,Su)
  Precast/Prestressed Management
- CSM 3366 (S)
  Applications of Concrete in Construction

Senior
Fall semester
- MKT 3343 (F,S,Su)
  Principles of Marketing
- CSM 4369* (F,S)
  Construction Contracts, Risks, and Ethics
- TECH 4380* (F,S,Su)
  Principles of Marketing

Senior
Spring semester
- CSM 4340 (S)
  Concrete Problems: Diagnosis, Prevention, Dispute Resolution
- CSM 4290 (F,S)
  Capstone

Technical Electives
(See page 2 for descriptions)
- 1 sustainability course from:
  TECH 2340 (F)
  CSM 4368* (F,S,Su)
  Prerequisites vary
- 1 course from:
  GEOL 1410 (F,S,Su)
  TECH 3364 (F,S)
  CSM 2342 (F,S)
  CSM 3363 (F,S)
  CSM 3366 (F,S,Su)
  Prerequisites vary

Note: In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.

This is not an official degree audit and it is subject to change. This chart is intended to be used by students who start out at Texas State. Please contact the College of Science and Engineering Undergraduate Advising Center for advising.

Core courses must be completed:
- 6 credits Core 010
- 3 credits Core 020
- 6 credits Core 030
- 3 credits Core 040
- 3 credits Core 050
- 6 credits Core 060
- 6 credits Core 070
- 3 credits Core 080
- 6 credits Core 090, 091, 092, 093, and 094

Required W1 courses: CSM 4369, CSM or TECH 4380; See Advisor for other WI options

US 1100 may be required for some students. Consult with an advisor regarding course choices.
Technical Elective Options for Concrete Industry Management Program

Technical Elective Group 1

(Choose 1 Course from the following):

- GEOL 1410 – Physical Geology – Coarse and fine aggregates (i.e. rock and sand) are integral ingredients in concrete mixes. Students who are interested in careers in aggregate operations or mining operations should consider this elective.

- TECH 3364 – Quality Assurance – Students who are interested in careers in quality management and quality control of concrete products should consider this elective.

- CSM 2342 – Construction Materials and Processes – Students who are interested in careers in vertical concrete construction, and understanding how concrete interacts with other building materials in the total construction project should consider this elective.

- CSM 3363 – Heavy, Civil and Highway Construction Systems – Concrete is an integral component of civil and highway construction. Students who are interested in careers in highway and infrastructure construction should consider this elective.

- CSM 3366 – Soils and Foundations – Understanding how soils interact with concrete structures is applicable to students considering careers in vertical concrete construction and infrastructure construction.

  (Check Prerequisites)

Technical Elective Group 2 – Sustainability Elective

(Choose 1 Course from the following):

- TECH 2340 – Environmental Technology I – Environmental and regulatory compliance issues are at the forefront of concrete material production. Students who are interested in careers in aggregate production and management, cement production and management, ready mix production and management, and precast concrete production and management should consider this elective.

- CSM 4368 – Sustainable & Lean Construction Practices – Students who are interested in careers in vertical concrete construction, and understanding how sustainability of concrete production and construction practices integrate into the overall building construction process should consider this elective.

  (Check Prerequisites)

Technical Elective Group 3 – Safety Elective (Choose 1 Course from the following):

- TECH 4380 – Industrial Safety – Safety processes and compliance differ from the plant environment to the construction jobsite. Students who are interested in careers in aggregate production and management, cement production and management, ready mix production and management, and precast concrete production and management should consider this elective.

- CSM 4380 – Construction Safety – Students who are interested in careers in vertical concrete construction and understanding safety requirements on the construction project site should consider this elective.

  (Check Prerequisites)