# **Construction Management**

#### Department Information

· Department Location:

Engineering Bldg 106

 Department Phone: 701-231-6202

· Department Web Site:

www.ndsu.edu/construction/ (http://www.ndsu.edu/construction/)

· Credential Offered:

B.S.Cons.M.

· Plan Of Study Sample:

catalog.ndsu.edu/programs-study/undergraduate/construction-management/#planofstudytext (http://catalog.ndsu.edu/programs-study/undergraduate/construction-management/#planofstudytext)

## **Major Requirements**

## **Major: Construction Management**

Degree Type: B.S.Cons.M.

Minimum Credits Required for Degree: 124

#### **University Degree Requirements**

- 1. Satisfactory completion of all requirements of the curriculum in which one is enrolled.
- 2. Earn a minimum total of 120 credits in approved coursework. Some academic programs exceed this minimum.
- 3. Satisfactory completion of the general education requirements as specified by the university.
- 4. A minimum institutional GPA of 2.00 based on work taken at NDSU.
- 5. At least 36 credits presented for graduation must be in courses numbered 300 or higher.
- 6. Transfer Students: Must earn a minimum of 60 credits from a baccalaureate-degree granting or professional institution.
  - a. Of these 60, at least 36 must be NDSU resident credits as defined in #7.
  - b. Within the 36 resident credits, a minimum of 15 must be in courses numbered 300 or higher and 15 credits in the major field of study.
- 7. At least 36 credits must be NDSU resident credits. Resident credits include credits registered and paid for at NDSU.

For complete information, please refer to the Degree and Graduation Requirements (http://catalog.ndsu.edu/past-bulletin-archive/2021-22/academic-policies/undergraduate-policies/degree-and-graduation/) section of this Bulletin.

## **University General Education Requirements**

Code	Title	Credits
Communication (C)		12
ENGL 110	College Composition I	
ENGL 120	College Composition II	
COMM 110	Fundamentals of Public Speaking	
Upper Division Writing <sup>†</sup>		
Quantitative Reasoning (R) <sup>†</sup>		3
Science and Technology (S) †		10
Humanities and Fine Arts (A) †		6
Social and Behavioral Sciences (B)		6
Wellness (W) †		2
Cultural Diversity (D) *†		
Global Perspectives (G) *†		
Total Credits		39

- \* May be satisfied by completing courses in another General Education category.
- † General education courses may be used to satisfy requirements for both general education and the major, minor, and program emphases, where applicable. Students should carefully review major requirements to determine if specific courses can also satisfy these general education categories.
- A list of university approved general education courses and administrative policies are available here (http://catalog.ndsu.edu/past-bulletin-archive/2021-22/academic-policies/undergraduate-policies/general-education/#genedcoursestext).

### **Major Requirements**

Construction Management Oce Recuirements         1           CMAE 110         Introduction to Construction Management and Engineering         3           CMAE 203         Building Construction Methods and Materials         3           CMAE 204         Construction Sturying         3           CMAE 212         Construction Graphic Communications         3           CMAE 240         Financial Cost Concepts for Construction Managers         3           CMAE 250         Construction Statics and Mechanics         3           CMAE 260         Solis and Foundations         3           CMAE 261         Construction Management         3           CMAE 262         Construction Management         3           CMAE 263         Construction Statimating Quantities and Costs         3           CMAE 263         Construction Support Operations         3           CMAE 263         Solicitudina Mechanical Construction         3           CMAE 264 <th>Code</th> <th>Title</th> <th>Credits</th>	Code	Title	Credits
CMBE 200         Construction Documents and Codes         3           CMBE 203         Building Construction: Methods and Materials         3           CMBE 212         Construction Surveying         3           CMBE 240         Financial Cost Concepts for Construction Managers         3           CMBE 250         Construction Statics and Mechanics         3           CMBE 260         Solis and Foundations         3           CMBE 201         Construction Technology and Equipment         3           CMBE 305         Pre-Construction Management         3           CMBE 315         Specifications and Contracts         3           CMBE 305         Pre-Construction Stuppert Operations         3           CMBE 403         Scheduling and Project Control         3           CMBE 405         Construction Estimating: Quantities and Costs         3           CMBE 405         Construction Support Operations         3           CMBE 405         Construction Support Operations         3           CMBE 431         Sustainable Design and Construction         3           CMBE 443         Sustainable Design and Construction         3           CMBE 448         Concrete Design and Construction         3           CMBE 448         Concrete Design and Construction </td <td>Construction Management Core F</td> <td>Requirements</td> <td></td>	Construction Management Core F	Requirements	
CMBE 203         Building Construction: Methods and Materials         3           CMBE 204         Construction Surveying         3           CMBE 212         Construction Graphic Communications         3           CMBE 250         Construction Statics and Mechanics         3           CMBE 260         Solis and Foundations         3           CMBE 301         Construction Technology and Equipment         3           CMBE 305         Pre-Construction Management         3           CMBE 306         Specifications and Contracts         3           CMBE 307         Construction Estimating Quantities and Costs         3           CMBE 308         Construction Estimating Quantities and Costs         3           CMBE 4095         Construction Estimating Quantities and Costs         3           CMBE 405         Construction Estimating Quantities and Costs         3           CMBE 405         Construction Estimating Quantities and Costs         3           CMBE 421         Electrical and Mechanical Construction         3           CMBE 422         Electrical and Mechanical Construction         3           CMBE 453         Concrete Design and Construction         3           CMBE 4543         Concrete Design and Construction         3           ELE 45	CM&E 111	Introduction to Construction Management and Engineering	1
CMBE 204         Construction Surveying         3           CMBE 212         Construction Graphic Communications         3           CMBE 240         Financial Cost Concepts for Construction Managers         3           CMBE 250         Construction Statics and Mechanics         3           CMBE 260         Soils and Foundations         3           CMBE 301         Construction Technology and Equipment         3           CMBE 305         Pre-Construction Management         3           CMBE 305         Pre-Construction Management         3           CMBE 306         Construction Estimating Quantities and Costs         3           CMBE 403         Scheduling and Project Control         3           CMBE 405         Construction Support Operations         3           CMBE 421         Electrical and Mechanical Construction         3           CMBE 431         Sustainable Design and Construction         3           CMBE 448         Concrete Design and Construction         3           CMBE 453         Concrete Design and Construction         3           CMBE 488         Construction Management Capstone         4           CHEM 121         General Chemistry I         4           S 121 L         and General Chemistry I         4	CM&E 200	Construction Documents and Codes	3
CM8E 212         Construction Graphic Communications         3           CM8E 240         Financial Cost Concepts for Construction Managers         3           CM8E 250         Construction Statics and Mechanics         3           CM8E 260         Soils and Foundations         3           CM8E 301         Construction Technology and Equipment         3           CM8E 305         Pre-Construction Management         3           CM8E 315         Specifications and Contracts         3           CM8E 300         Construction Estimating, Quantities and Costs         3           CM8E 403         Scheduling and Project Control         3           CM8E 405         Construction Support Operations         3           CM8E 421         Electrical and Mechanical Construction         3           CM8E 423         Steal Design and Construction         3           CM8E 435         Concrete Design and Construction         3           CM8E 448         Construction Management Capstone         3           Additional Courses:         CHEM 121         and General Chemistry I         4           4 121 L         and General Chemistry I Laboratory (May satisfy general education category S)         3           ENGL 320         Business and Professional Writing (May satisfy general education category S)	CM&E 203	Building Construction: Methods and Materials	3
CM8E 240         Financial Cost Concepts for Construction Managers         3           CM8E 250         Construction Statics and Mechanics         3           CM8E 301         Construction Technology and Equipment         3           CM8E 305         Pre-Construction Management         3           CM8E 315         Specifications and Contracts         3           CM8E 380         Construction Estimating: Quantities and Costs         3           CM8E 403         Scheduling and Project Control         3           CM8E 405         Construction Support Operations         3           CM8E 421         Electrical and Mechanical Construction         3           CM8E 431         Sustainable Design and Construction         3           CM8E 453         Concrete Design and Construction         3           CM8E 488         Construction Management Capstone         3           CM8E 488         Construction Management Capstone         4           Additional Courses:         CHEM 121         General Chemistry I         4           8 1211         and General Chemistry I Laboratory (May satisfy general education category S)         3           Or ENGL 321         Writing in the Technical Professions         3           GEOL 105         Physical Geology (May satisfy general education category S)	CM&E 204	Construction Surveying	3
CM8E 250         Construction Statics and Mechanics         3           CM8E 260         Soils and Foundations         3           CM8E 301         Construction Technology and Equipment         3           CM8E 305         Pre-Construction Management         3           CM8E 315         Specifications and Contracts         3           CM8E 303         Construction Estimating Quantities and Costs         3           CM8E 403         Scheduling and Project Control         3           CM8E 405         Construction Support Operations         3           CM8E 431         Sustainable Design and Construction         3           CM8E 443         Sustainable Design and Construction         3           CM8E 453         Concrete Design and Construction         3           CM8E 488         Construction Management Capstone         3           Additional Courses:         Construction Management Capstone         3           CMEL 453         Construction Management Capstone         3           Additional Courses:         Construction Management Capstone         3           CMBL 121         and General Chemistry I         4           £ 121L         and General Chemistry I         4           £ 121L         and General Chemistry I         3	CM&E 212	Construction Graphic Communications	3
CM8E 260         Soils and Foundations         3           CM8E 301         Construction Technology and Equipment         3           CM8E 305         Pre-Construction Management         3           CM8E 315         Specifications and Contracts         3           CM8E 380         Construction Estimating: Quantities and Costs         3           CM8E 403         Scheduling and Project Control         3           CM8E 405         Construction Support Operations         3           CM8E 421         Electrical and Mechanical Construction         3           CM8E 431         Sustainable Design and Construction         3           CM8E 430         Steel Design and Construction         3           CM8E 483         Construction Management Capstone         3           CM8E 488         Construction Management Capstone         3           Additional Courses:         CHEM 121         General Chemistry I         4           ENGL 320         Business and Professional Writing (May satisfy general education category S)         3           FORUL 321         Writing in the Technical Professions         3           GEOL 105         Physical Geology (May satisfy general education category S)         3           MATH 107         Precalculus         4           MATH	CM&E 240	Financial Cost Concepts for Construction Managers	3
CM8E 301         Construction Technology and Equipment         3           CM8E 305         Pre-Construction Management         3           CM8E 315         Specifications and Contracts         3           CM8E 300         Construction Estimating: Quantities and Costs         3           CM8E 403         Scheduling and Project Control         3           CM8E 405         Construction Support Operations         3           CM8E 421         Electrical and Mechanical Construction         3           CM8E 431         Sustainable Design and Construction         3           CM8E 450         Steel Design and Construction         3           CM8E 481         Concrete Design and Construction         3           CM8E 482         Construction Management Capstone         3           Additional Courses:         C           CHEM 121         and General Chemistry I         4           4 121         and General Chemistry I (May satisfy general education category S)         3           4 121         and General Chemistry I (May satisfy general education category S)         3           4 121         and General Chemistry I (May satisfy general education category S)         3           4 121         A (Marting May Satisfy General education category S)         3           4 201	CM&E 250	Construction Statics and Mechanics	3
CM8E 305         Pre-Construction Management         3           CM8E 315         Specifications and Contracts         3           CM8E 380         Construction Estimating Quantities and Costs         3           CM8E 403         Scheduling and Project Control         3           CM8E 405         Construction Support Operations         3           CM8E 421         Electrical and Mechanical Construction         3           CM8E 431         Sustainable Design and Construction         3           CM8E 450         Steel Design and Construction         3           CM8E 453         Concrete Design and Construction         3           CM8E 488         Construction Management Capstone         3           Additional Courses:         C           CHEM 121         General Chemistry I Laboratory (May satisfy general education category S)         3           ENGL 320         Business and Professional Writing (May satisfy general education category S)         3           ENGL 321         Writing in the Technical Professions           ECOL 105         Physical Geology (May satisfy general education category S)         3           MATH 105         Trigonometry         3           or ENGL 321         Applied Calculus I (May satisfy general education category R)         4           WHYS 211<	CM&E 260	Soils and Foundations	3
CM8E 315         Specifications and Contracts         3           CM8E 380         Construction Estimating: Quantities and Costs         3           CM8E 403         Scheduling and Project Control         3           CM8E 405         Construction Support Operations         3           CM8E 421         Electrical and Mechanical Construction         3           CM8E 431         Sustainable Design and Construction         3           CM8E 450         Steel Design and Construction         3           CM8E 488         Concrete Design and Construction         3           CM8E 488         Construction Management Capstone         3           Additional Courses:         CMED         4           CHEM 121         General Chemistry I Laboratory (May satisfy general education category S)         3           ENGL 320         Business and Professional Writing (May satisfy general education category C)         3           or ENGL 321         Writing in the Technical Professions         3           MATH 105         Physical Geology (May satisfy general education category S)         3           MATH 107         Precalculus         4           MATH 146         Applied Calculus I (May satisfy general education category B)         4           EVAL         2111         and College Physics I Laboratory	CM&E 301	Construction Technology and Equipment	3
CM8E 380         Construction Estimating: Quantities and Costs         3           CM8E 403         Scheduling and Project Control         3           CM8E 405         Construction Support Operations         3           CM8E 421         Electrical and Mechanical Construction         3           CM8E 431         Sustainable Design and Construction         3           CM8E 450         Steel Design and Construction         3           CM8E 488         Concrete Design and Construction         3           CM8E 488         Construction Management Capstone         3           Additional Courses:         CHEM 121         General Chemistry I         4           4 121L         and General Chemistry I Laboratory (May satisfy general education category S)         3           ENGL 320         Business and Professional Writing (May satisfy general education category S)         3           GEOL 105         Physical Geology (May satisfy general education category S)         3           MATH 105         Trigonometry         3           MATH 1105         Trigonometry         4           PHYS 211         College Physics I Laboratory (May satisfy general education category B)         4           8 211L         and College Physics I Laboratory (May satisfy general education category B)         3           STAT	CM&E 305	Pre-Construction Management	3
CM8E 403         Scheduling and Project Control         3           CM8E 405         Construction Support Operations         3           CM8E 421         Electrical and Mechanical Construction         3           CM8E 431         Sustainable Design and Construction         3           CM8E 450         Steel Design and Construction         3           CM8E 483         Concrete Design and Construction         3           CM8E 488         Construction Management Capstone         4           Additional Courses:         CHEM 121         General Chemistry I         4           & 121L         and General Chemistry I Laboratory (May satisfy general education category S)         3           FNGL 320         Business and Professional Writing (May satisfy general education category C)         3           GEOL 105         Physical Geology (May satisfy general education category S)         3           MATH 105         Trigonometry         6           or MATH 107         Precalculus         4           MATH 146         Applied Calculus I (May satisfy general education category R)         4           A 211L         and College Physics I Laboratory (May satisfy general education category S)         3           STAT 330         Introductory Statistics         3           Business Minor Courses:	CM&E 315	Specifications and Contracts	3
CM&E 405         Construction Support Operations         3           CM&E 421         Electrical and Mechanical Construction         3           CM&E 431         Sustainable Design and Construction         3           CM&E 450         Steel Design and Construction         3           CM&E 488         Concrete Design and Construction         3           Additional Courses:         CHEM 121         General Chemistry I         4           & 121L         and General Chemistry I Laboratory (May satisfy general education category S)         3           ENGL 320         Business and Professional Writing (May satisfy general education category C)         3           or ENGL 321         Writing in the Technical Professions         3           GEOL 105         Physical Geology (May satisfy general education category S)         3           MATH 105         Trigonometry         3           or MATH 107         Precalculus         4           MATH 146         Applied Calculus I (May satisfy general education category R)         4           PHYS 211         College Physics I Laboratory (May satisfy general education category R)         4           8 211L         and College Physics I Laboratory (May satisfy general education category R)         3           STAT 330         Introductory Statistics         3	CM&E 380	Construction Estimating: Quantities and Costs	3
CM&E 421         Electrical and Mechanical Construction         3           CM&E 431         Sustainable Design and Construction         3           CM&E 450         Steel Design and Construction         3           CM&E 453         Concrete Design and Construction         3           CM&E 488         Construction Management Capstone         3           Additional Courses:         CHEM 121         General Chemistry I Laboratory (May satisfy general education category S)         4           ENGL 320         Business and Professional Writing (May satisfy general education category C)         3           or ENGL 321         Writing in the Technical Professions         3           GEOL 105         Physical Geology (May satisfy general education category S)         3           MATH 105         Trigonometry         3           or MATH 107         Precalculus         4           MATH 146         Applied Calculus I (May satisfy general education category R)         4           EVIL         and College Physics I Laboratory (May satisfy general education category S)         3           STAT 330         Introductory Statistics         3           Business Minor Courses:         24           ACCT 102         Fundamentals of Accounting         3           Select one from the following (May satisfy g	CM&E 403	Scheduling and Project Control	3
CM&E 431         Sustainable Design and Construction         3           CM&E 450         Steel Design and Construction         3           CM&E 453         Concrete Design and Construction         3           CM&E 488         Construction Management Capstone         3           Additional Courses:         CHEM 121         General Chemistry I         4           & 121 L         and General Chemistry I Laboratory (May satisfy general education category S)         3           ENGL 320         Business and Professional Writing (May satisfy general education category S)         3           GEOL 105         Physical Geology (May satisfy general education category S)         3           MATH 105         Trigonometry         3           or MATH 107         Precalculus         4           MATH 346         Applied Calculus I (May satisfy general education category R)         4           A 211 L         and College Physics I Laboratory (May satisfy general education category S)         3           STAT 330         Introductory Statistics         3           Business Minor Courses:         24           ACCT 102         Fundamentals of Accounting         3           Select one from the following (May satisfy general education category B & G):         3 or 6           ECON 201         Principles of	CM&E 405	Construction Support Operations	3
CM&E 450Steel Design and Construction3CM&E 453Concrete Design and Construction3CM&E 488Construction Management Capstone3Additional Courses:CHEM 121General Chemistry I4& 121Land General Chemistry I Laboratory (May satisfy general education category S)3ENGL 320Business and Professional Writing (May satisfy general education category C)3or ENGL 321Writing in the Technical ProfessionsGEOL 105Physical Geology (May satisfy general education category S)3MATH 105Trigonometry3MATH 146Applied Calculus I (May satisfy general education category R)4PHYS 211College Physics I Laboratory (May satisfy general education category S)3STAT 330Introductory Statistics3Business Minor Courses:2ACCT 102Fundamentals of Accounting3Select one from the following (May satisfy general education category B & G):3ECON 201Principles of MicroeconomicsECON 201Principles of MicroeconomicsECON 202and Principles of MacroeconomicsMMT 320Foundations of Management3MRKT 320Foundations of Management3 </td <td>CM&amp;E 421</td> <td>Electrical and Mechanical Construction</td> <td>3</td>	CM&E 421	Electrical and Mechanical Construction	3
CM&E 453Concrete Design and Construction3CM&E 488Construction Management Capstone3Additional Courses:CHEM 121General Chemistry I and General Chemistry I Laboratory (May satisfy general education category S)ENGL 320Business and Professional Writing (May satisfy general education category C)3or ENGL 321Writing in the Technical Professions3GEOL 105Physical Geology (May satisfy general education category S)3MATH 105Trigonometry3or MATH 107Precalculus4MATH 146Applied Calculus I (May satisfy general education category R)4PHYS 211College Physics I and College Physics I Laboratory (May satisfy general education category S)4STAT 330Introductory Statistics3Business Minor Courses:24ACCT 102Fundamentals of Accounting3Select one from the following (May satisfy general education category B & G):3 or 6ECON 105Elements of Economics3 or 6ECON 201Principles of MicroeconomicsECON 202Foundations of Marcegory Marketing3MRKT 320Foundations of Marketing3Or FIN 320Foundations of Marketing3BUSN 431Business Law I-Contracts, Property and Torts3BuSh Minor 300/400 Elec. I3	CM&E 431	Sustainable Design and Construction	3
CM&E 488 Construction Management Capstone  Additional Courses:  CHEM 121 General Chemistry I and General Chemistry I Laboratory (May satisfy general education category S)  FINGL 320 Business and Professional Writing (May satisfy general education category C)  GEOL 105 Physical Geology (May satisfy general education category S)  MATH 105 Trigonometry  or MATH 107 Precalculus  MATH 146 Applied Calculus I (May satisfy general education category R)  PHYS 211 College Physics I aboratory (May satisfy general education category R)  FINGL 320 Introductory Statistics  STAT 330 Introductory Statistics  STAT 330 Introductory Statistics  SUSSIESS FUNDAMENTALS of Scounting  Select one from the following (May satisfy general education category B)  ACCT 102 Fundamentals of Accounting  Select one from the following (May satisfy general education category B & G):  ECON 201 Principles of Microeconomics  ECON 201 Principles of Microeconomics  ACCT 320 Foundations of Management  ACCT 320 Foundations of Management  ACCT 320 Principles of Microeconomics  ACCT 320 Principles of Microeconomics  ACCT 320 Principles of Microeconomics  ACCT 320 Principles of Marcreconomics  ACCT 320 Principles of Microeconomics  ACCT 320 Principles of	CM&E 450	Steel Design and Construction	3
Additional Courses:  CHEM 121 General Chemistry I and General Chemistry I Laboratory (May satisfy general education category S)  ENGL 320 Business and Professional Writing (May satisfy general education category C) 3  or ENGL 321 Writing in the Technical Professions  GEOL 105 Physical Geology (May satisfy general education category S) 3  MATH 105 Trigonometry 3  or MATH 107 Precalculus  MATH 146 Applied Calculus I (May satisfy general education category R) 4  ENGL 211 College Physics I and College Physics I Laboratory (May satisfy general education category R) 4  ENGL 102 Fundamentals of Accounting 3  Business Minor Courses: 24  ACCT 102 Fundamentals of Accounting 3  Select one from the following (May satisfy general education category B & G): 3 or 6  ECON 105 Elements of Economics  ECON 201 Principles of Microeconomics  & ECON 202 and Principles of Microeconomics  & ECON 202 Foundations of Macroeconomics  MGMT 320 Foundations of Maragement 3  MRKT 320 Foundations of Maragement 3  MRKT 320 Foundations of Maragement 3  MRKT 320 Foundations of Marketing 3  or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3  BA Minor 300/400 Elec. I	CM&E 453	Concrete Design and Construction	3
CHEM 121 General Chemistry I and General Chemistry I Laboratory (May satisfy general education category S)  ENGL 320 Business and Professional Writing (May satisfy general education category C) 3 or ENGL 321 Writing in the Technical Professions  GEOL 105 Physical Geology (May satisfy general education category S) 3  MATH 105 Trigonometry 3 or MATH 107 Precalculus  MATH 146 Applied Calculus I (May satisfy general education category R) 4 PHYS 211 College Physics I and College Physics I Laboratory (May satisfy general education category R) 4 8 211L and College Physics I Laboratory (May satisfy general education category S)  STAT 330 Introductory Statistics 3  Business Minor Courses: 24  ACCT 102 Fundamentals of Accounting 3  Select one from the following (May satisfy general education category B & G): 3 or 6  ECON 105 Elements of Economics  ECON 201 Principles of Microeconomics & ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Macroeconomics  MGMT 320 Foundations of Maragement 3  MRKT 320 Foundations of Maragement 3  MRKT 320 Foundations of Maragement 3  BUSN 431 Business Law I-Contracts, Property and Torts 3  BA Minor 300/400 Elec. I	CM&E 488	Construction Management Capstone	3
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ENGL 320 Business and Professional Writing (May satisfy general education category C) or ENGL 321 Writing in the Technical Professions GEOL 105 Physical Geology (May satisfy general education category S)  MATH 105 Trigonometry or MATH 107 Precalculus  MATH 146 Applied Calculus I (May satisfy general education category R)  4 PHYS 211 College Physics I Laboratory (May satisfy general education category S)  STAT 330 Introductory Statistics 3  Business Minor Courses: 24  ACCT 102 Fundamentals of Accounting 3 Select one from the following (May satisfy general education category B & G): ECON 105 Elements of Economics ECON 201 Principles of Microeconomics & ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Management  MRKT 320 Foundations of Management  MRKT 320 Foundations of Marketing or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts  3 3  BA Minor 300/400 Elec. I	CHEM 121	General Chemistry I	4
or ENGL 321 Writing in the Technical Professions  GEOL 105 Physical Geology (May satisfy general education category S) 3  MATH 105 Trigonometry 3  or MATH 107 Precalculus  MATH 146 Applied Calculus I (May satisfy general education category R) 4  PHYS 211 College Physics I and College Physics I Laboratory (May satisfy general education category S)  STAT 330 Introductory Statistics 3  Business Minor Courses: 24  ACCT 102 Fundamentals of Accounting 3  Select one from the following (May satisfy general education category B & G): 3 or 6  ECON 105 Elements of Economics  ECON 201 Principles of Microeconomics  ECON 201 Principles of Macroeconomics  MGMT 320 Foundations of Management 3  MRKT 320 Foundations of Marketing 3  or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3  BA Minor 300/400 Elec. I 3	& 121L	and General Chemistry I Laboratory (May satisfy general education category S)	
GEOL 105Physical Geology (May satisfy general education category S)3MATH 105Trigonometry3or MATH 107PrecalculusMATH 146Applied Calculus I (May satisfy general education category R)4PHYS 211College Physics I4& 211Land College Physics I Laboratory (May satisfy general education category S)3STAT 330Introductory Statistics3Business Minor Courses:24ACCT 102Fundamentals of Accounting3Select one from the following (May satisfy general education category B & G):3 or 6ECON 105Elements of EconomicsECON 201Principles of Microeconomics& ECON 202and Principles of MacroeconomicsMGMT 320Foundations of Management3MRKT 320Foundations of Marketing3or FIN 320Principles of FinanceBUSN 431Business Law I-Contracts, Property and Torts3BA Minor 300/400 Elec. I3	ENGL 320		3
MATH 105 Trigonometry Precalculus  MATH 107 Precalculus  MATH 146 Applied Calculus I (May satisfy general education category R) 4  PHYS 211 College Physics I and College Physics I Laboratory (May satisfy general education category S)  STAT 330 Introductory Statistics 3  Business Minor Courses: 24  ACCT 102 Fundamentals of Accounting 3  Select one from the following (May satisfy general education category B & G): 3 or 6  ECON 105 Elements of Economics  ECON 201 Principles of Microeconomics & ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Management 3  MRKT 320 Foundations of Management 3  MRKT 320 Foundations of Marketing 3  or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3  BA Minor 300/400 Elec. I	or ENGL 321	Writing in the Technical Professions	
or MATH 107 Precalculus  MATH 146 Applied Calculus I (May satisfy general education category R) 4  PHYS 211 College Physics I and College Physics I Laboratory (May satisfy general education category S)  STAT 330 Introductory Statistics 3  Business Minor Courses: 24  ACCT 102 Fundamentals of Accounting 3  Select one from the following (May satisfy general education category B & G): 3 or 6  ECON 105 Elements of Economics  ECON 201 Principles of Microeconomics and Principles of Macroeconomics  & ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Management 3  MRKT 320 Foundations of Marketing 3  or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3  BA Minor 300/400 Elec. I	GEOL 105	Physical Geology (May satisfy general education category S)	3
MATH 146 Applied Calculus I (May satisfy general education category R)  PHYS 211 College Physics I Laboratory (May satisfy general education category S)  STAT 330 Introductory Statistics 3  Business Minor Courses: 24  ACCT 102 Fundamentals of Accounting 3  Select one from the following (May satisfy general education category B & G): 3 or 6  ECON 105 Elements of Economics  ECON 201 Principles of Microeconomics  & ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Management 3  MRKT 320 Foundations of Management 3  MRKT 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3  BA Minor 300/400 Elec. I	MATH 105	Trigonometry	3
PHYS 211 College Physics I Aboratory (May satisfy general education category S)  STAT 330 Introductory Statistics 3  Business Minor Courses: 24  ACCT 102 Fundamentals of Accounting 3  Select one from the following (May satisfy general education category B & G): 3 or 6  ECON 105 Elements of Economics ECON 201 Principles of Microeconomics & ECON 202 and Principles of Macroeconomics  & ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Management 3  MRKT 320 Foundations of Marketing 3  or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3  BA Minor 300/400 Elec. I 3	or MATH 107	Precalculus	
8 211L and College Physics I Laboratory (May satisfy general education category S)  STAT 330 Introductory Statistics 3  Business Minor Courses: 24  ACCT 102 Fundamentals of Accounting 3  Select one from the following (May satisfy general education category B & G): 3 or 6  ECON 105 Elements of Economics  ECON 201 Principles of Microeconomics and Principles of Macroeconomics  & ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Management 3  MRKT 320 Foundations of Marketing 3  or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3  BA Minor 300/400 Elec. I	MATH 146	Applied Calculus I (May satisfy general education category R)	4
STAT 330 Introductory Statistics 3  Business Minor Courses: 24  ACCT 102 Fundamentals of Accounting 3  Select one from the following (May satisfy general education category B & G): 3 or 6  ECON 105 Elements of Economics  ECON 201 Principles of Microeconomics & ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Management 3  MRKT 320 Foundations of Marketing 3  or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3  BA Minor 300/400 Elec. I			4
Business Minor Courses:  ACCT 102 Fundamentals of Accounting 3 Select one from the following (May satisfy general education category B & G): 3 or 6 ECON 105 Elements of Economics ECON 201 Principles of Microeconomics & ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Management 3 MRKT 320 Foundations of Marketing 3 or FIN 320 Principles of Finance BUSN 431 Business Law I-Contracts, Property and Torts 3 BA Minor 300/400 Elec. I 3			
ACCT 102 Fundamentals of Accounting 3  Select one from the following (May satisfy general education category B & G): 3 or 6  ECON 105 Elements of Economics  ECON 201 Principles of Microeconomics & ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Management 3  MRKT 320 Foundations of Marketing 3  or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3  BA Minor 300/400 Elec. I 3		Introductory Statistics	
Select one from the following (May satisfy general education category B & G):  ECON 105 Elements of Economics  ECON 201 Principles of Microeconomics & ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Management 3 MRKT 320 Foundations of Marketing or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts  3 BA Minor 300/400 Elec. I			
ECON 105 Elements of Economics ECON 201 Principles of Microeconomics & ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Management 3 MRKT 320 Foundations of Marketing 3 or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3 BA Minor 300/400 Elec. I 3		3	
ECON 201 Principles of Microeconomics & ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Management 3  MRKT 320 Foundations of Marketing 3  or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3  BA Minor 300/400 Elec. I 3	Select one from the following (May satisfy general education category B & G):		
& ECON 202 and Principles of Macroeconomics  MGMT 320 Foundations of Management 3  MRKT 320 Foundations of Marketing 3  or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3  BA Minor 300/400 Elec. I 3			
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MRKT 320 Foundations of Marketing 3 or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3 BA Minor 300/400 Elec. I 3			
or FIN 320 Principles of Finance  BUSN 431 Business Law I-Contracts, Property and Torts 3  BA Minor 300/400 Elec. I 3			
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BA Minor 300/400 Elec. I 3		·	
		Business Law I-Contracts, Property and Torts	
BA Minor 300/400 Elec. II 3			
	BA Minor 300/400 Elec. II		3

BA Minor 300/400 Elec. III 3

Students must apply for the minor through the College of Business and maintain a minimum 2.50 cumulative GPA to be eligible to enroll in all 300/400 level courses offered by the College of Business

Total Credits 103-106

### **Degree Requirements and Notes**

- An overall minimum cumulative GPA of 2.50 in all courses and a minor in Business Administration with a minor GPA of 2.50 are required to graduate with a B.S. in Construction Management.
- A cumulative GPA of 2.50 is required for both internal and external transfer students into this program.
- To satisfy the Gen Ed Category B requirements, a student can choose between two options: ECON 105 plus an additional course within Category B OR ECON 201 and ECON 202. Both options satisfy the Gen Ed Category G requirement and the requirements for the BA minor.