

PROGRAM SUMMARY

- **Credit Hours:** 126
- **Concentrations:** Applied Energy and Sustainable Systems
- **Declaring the Major:** Students may declare a major in Construction Management at the time of admission. Students in good academic standing may submit a Change of Major form at any time to declare a major in Construction Management. Orientation and/or advising sessions are required for new students.
- **Advising (For the Major):** Required upon admission to the major and before each semester. Assigned advisors hold group advising sessions, followed by individual advising by appointment.
- **Advising (For General Education):** By Student Services Specialists in the department.
- **Minimum Grades/GPA:** GPA of 2.0 in the major required for graduation. Grades of C or better required in all freshman level courses, as shown on Suggested Plan of Study.
- **Teacher Licensure:** No.
- **Evening Classes Available:** Some upper division (junior/senior) classes are available late afternoon or evening on a rotating basis. It is highly unlikely that students would be able to complete degree requirements through evening courses alone.
- **Weekend Classes Available:** No.
- **Other Information:** Students who complete an Associate in Applied Science Degree (AAS) in a related field before enrolling at UNC Charlotte are eligible for the Construction Management 2+2 Program, which allows students to complete their B.S.C.M. degree with two additional years of coursework. Students have the option of completing the requirements of the Civil Engineering Technology degree as a dual major with the B.S.E.T. in Civil Engineering Technology. This plan of study typically takes two additional semesters to complete.
- **Contact(s):** Ms. Jamie Sheppard, Academic Advisor, (jshepp12@uncc.edu)
Dr. Thomas Nicholas, PE, Ph.D., Program Director (tnichola@uncc.edu)

PROGRAM REQUIREMENTS

The Construction Management program at UNC Charlotte includes education, research, and technology development in the areas of structures, construction, transportation, water resources, and geotechnics. The program is further enhanced by a business management core. In the first two years, emphasis is placed on fundamental mathematical, scientific, and communication skills through topics including the fundamentals of engineering technology, surveying, construction materials, construction methods, environmental technology, and structures. The third and fourth years provide emphasis on civil infrastructure, including foundations and earthwork, elementary structures, building systems, and highway design and construction, and construction project management areas, including scheduling & control, contracting, planning, and cost estimating. The technical core utilizes state-of-the-practice software applications.

Areas	Credit Hours	Description
Pre-Major/ Prerequisites	-	Any student declaring a major in the Construction Management program at UNC Charlotte must submit a Change of Major application for review. AAS transfer students must fulfill a series of specified prerequisite courses before proceeding with upper-division coursework. All new CMET majors are required to meet with a Student Services Specialist for pre-registration advising.
Major	83	Major courses are specified by the department.
General Education (not satisfied by other major requirements)	34	First-Year Writing courses / Basic Skills of Information Technology (UWRT 1103 or 1104); Mathematical & Logical Reasoning (MATH 1103 & STAT 1220); Social Science (ANTH 1101/GEOG 1105/ECON 1101 or 2101/POLS 1110/SOCY 1101); Natural Science (PHYS 1101 & 1101L, PHYS 1102 & 1102L, and GEOL 1200 or CHEM 1251); Themes of Liberal Education (LBST 110X and 2301; and two from: LBST 2101, 2102, and 221X).
Related Work	-	
Foreign Language	-	
Electives	9	Students must complete three major elective courses of 3 credit hours each. Major electives are selected from the list of approved core Construction Management electives and approved by the
Total Credit Hours	126	

SUGGESTED PLAN OF STUDY

Freshman Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
UWRT 1103	Writing and Inquiry in Academic Contexts I & II	3	X		Grade of C or better required
ETCE 1222	Construction Materials	3			Grade of C or better required
ETCE 1222L	Construction Materials Lab	1			Grade of C or better required
ETGR 1100L	Engineering Computer Applications Lab	1			Grade of C or better required
ETCE 1104	Civil / Construction CAD Apps.	3			Grade of C or better required
ETGR 1201	Intro. to Engineering Technology	2			Grade of C or better required
MATH 1103	Pre-Calculus Math for Science & Engineering	3	X		Grade of C or better required
<i>Spring Semester</i>					
CMET 1680	Prof. Development I: Construction Safety	1			Grade of C or better required
ETCE 2015	Plan Reading and Quantity Takeoff	3			Grade of C or better required
ETCE 1211	Construction Surveying I	3			Grade of C or better required
ETCE 1211L	Construction Surveying I Laboratory	1			Grade of C or better required
LBST 110X	LBST 110X Series: Arts and Society	3	X		Grade of C or better required
MATH 1121	ET Calculus or ETGR 2171	3			Grade of C or better required
XXXX XXXX	Science/Math Elective	3	X		Selected from list of approved electives

33 Credit Hours for Year

Sophomore Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
ECON 2101	Principles of Economics – Macro	3	X		Grade of C or better required
ETGR 2101	Applied Mechanics I	3			
CMET 2135	Building Information Modeling (BIM)	3			
ETGR 2272	Engineering Analysis II	3			
PHYS 1101	Introductory Physics I	3	X		Must complete prior to taking 4000 level ET courses
PHYS 1101L	Introductory Physics I Laboratory	1	X		
<i>Spring Semester</i>					
ETCE 2221	Construction Means & Methods	3			
ETCE 2410	Introduction to Environmental Engineering Technology	3			
ETGR 2102	Applied Mechanics II	3			
PHYS 1102	Introductory Physics II	3	X		Must complete prior to taking 4000 level ET courses
STAT 1220	Elements of Statistics I	3	X		

31 Credit Hours for Year

Junior Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
ACCT 2121	Principles of Accounting I	3			Grade of C or better required
CMET 3224	Construction Project Administration	3			
ETCE 3131	Soil Mechanics and Earthwork	3			
ETCE 3131L	Soil Testing Laboratory	1		W	
ETCE 3163	Structural Analysis and Design I	3			
ETCE 3163L	Structures and Materials Laboratory	1		W	
ETGR 3295	Multidisciplinary Professional Development	1			
<i>Spring Semester</i>					
ACCT 2122	Principles of Accounting II	3			Grade of C or better required
CMET 3123	Cost of Estimating	3			
LBST 2301	Critical Thinking and Communication	3	X		
ETCE 3271	Building Systems	3			
ETGR 3222	Engineering Economics	3			

30 Credits Hours for Year

Senior Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
BLAW 3150	Business Law I or CMET 4127	3			Grade of C or better required (BLAW 3150)
XXXX XXXX	Major Elective	3			Selected from list of approved electives
CMET 4126	Project Scheduling and Control	3			
CMET 4129L	Construction Planning Laboratory	1		W	
LBST 2XXX	LBST Series	3	X		
XXXX XXXX	Major Elective	3			Selected from list of approved electives
<i>Spring Semester</i>					
CMET 4272	Capstone Project	3		W,O	
CMET 4680	Prof. Development IV	1			
ETCE 4350	Construction Geotechnics & Foundations	3			
LBST 2XXX	LBST Series	3	X		
CMET 4130	Infrastructure Systems	3			
XXXX XXXX	Major Elective	3			Selected from list of approved electives

32 Credit Hours for Year

ADVISING RESOURCES

- General Education Requirements for ALL Students: ucol.uncc.edu/general-education
- Undergraduate Catalog: catalog.uncc.edu
- Central Advising website: advising.uncc.edu
- William States Lee College of Engineering advising website: coe.uncc.edu/current-students/advising.html
- Department of Engineering Technology advising website: et.uncc.edu/advising.html
- University Advising Center website: advisingcenter.uncc.edu

