BSET Civil Engineering Technology Checksheet

Last Name: _____
First Name: _____
Student ID: _____

SEM & YR	Course #	Course Name	Hr	Grade	Pre/Co-Requisites	Comments
Junior - Fall						
	CMET 3224	Construction Project Administration	3		Junior or senior standing or AAS transfer	
	ETCE 3131	Soil Mechanics and Earthwork	3		ETGR 2102 or AAS transfer	
	ETCE 3131L	Soil Testing Laboratory	1		*ETCE 3131*	
	ETCE 3264	Structural Analysis	3		ETGR 2102, ETGR 2272	
	GEOL 1200	Physical Geology	3			
	CTCM 2530	Critical Thinking and Communication	3			
			Total 16			
Junior - Spring						
	CMET 3680	Prof. Develop. III: Professional Ethics	1		CIET/CM majors only. Junior standing	
	ETCE 3242	Hydraulics and Hydrology	3		ETGR 2102, ETCE 2410, PHYS 1102 or AAS transfer	
	ETCE 4350	Construction Geotechnics and Foundations	3		ETCE 3131	
	ETGR 3171 or ETGR4272	Engineering Analysis III or IV	3		ETGR 2272* or MATH 1242* (and STAT 1220* for ETGR 4272)	
	ETGR 3295	Multidisciplinary Professional Dev.	1		Junior or Senior standing	
	Science/Math	Science/Math Elective(a)	3			
			Total 14			
Senior - Fall						
	ETCE 4165	Structural Steel Design	3		ETCE 3163 or ETCE 3264	
	ETCE 4251	Highway Design & Construction	3		ETCE 1211, ETCE 3131	
	ETGR 3222	Engineering Economics	3			
	XXXX 15XX	Theme Course	3			
	Major Elective(b)		3			
			Total 15			
Senior - Spring						
	CMET 3123	Cost Estimating	3		ETCE 2105, CMET 3224	
	ETCE 4266	Reinforced Concrete Design	3		ETCE 3264 or ETCE 3163	
	ETCE 4272	Capstone Project	3		Senior standing and CIET major, or permission of department	
	XXXX 15XX	Theme Course	3			
	Major Elective(b)		3			
			Total 15			

Course in *italics* can be taken as a pre or co requisite

Course in **bold** must be taken as a co requisite

* = grade of C or better required in prerequisite course

Footnotes:

(a) Science/Math elective courses are chosen jointly by student and advisor from the approved list.

(b) Major elective courses are chosen jointly by student and advisor from the course list approved by the Department as major electives. Other courses related to the student's professional interests and career goals may be considered but all such requests to take alternative major elective courses must be approved in writing by the ETCM Department.

(c) These courses must be completed with a grade of C or better.

BSET Civil Engineering Technology 2+2 Checksheet

Catalog Date: 2023-24

Last Name: _____ 0   Community College: _____

Student ID: _____ 0   Degree Program: _____

Final AAS Transcript Received: ☐

Community College Prerequisites

UNC Charlotte General	Hrs	UNC Charlotte Course	Grade	NCCCS Acceptable Course	Course	Grade	MET
English Composition and/or Technical Writing	3	WRDS 1103		ENG 111, 112, 113, 114			NO
Precalculus	3	MATH 1103		MAT 172, 175			NO
Differential and Integral Calculus	6	MATH1121* or ETGR2171*		MAT 223, 263, 271			NO
		ETGR 2272		MAT 272			NO
Physics I +Lab	3	PHYS 1101		PHY 151, 251			NO
	1	PHYS 1101L					
Physics II (lab not required)	3	PHYS 1102		PHY 152, 252			NO
Computer Aided Drafting	3	ETCE 1104		CIV 125, ARC 114, CEG 151, DFT 151, EGR 120			NO
Construction Surveying	3	ETCE 1211		SRV 110, 111, CST 211			NO
Construction Materials	3	ETCE 1222**		CEG 210 and CIV 111 or CIV 210 and CIV 111			NO
Plan Reading and Quanitty Takeoff	3	ETCE 2105		BPR 130			NO
Construction Materials and Structures Lab	1	ETCE 2163L					NO
Construction Methods	3	ETCE 2221		CEG 210, 235, CIV 230, 240, ARC 112, CST 242			NO
Environmental Tech, Hydraulics or Hydrology	3	ETCE 2410		CIV 211, 212, CEG 211, 212			NO
Building Information Modeling	3	CMET 2135		ARC 225			NO
Statics	3	ETGR 2101**		CIV 110, ARC 214, EGR 220, 250, 251, MEC 210, 250, 251, CST 221			NO
Strength of Materials	3	ETGR 2102**		CIV 221, 222, ARC 215, EGR 228, 252, MEC 252			NO

Other CET Specific / Technical Classes

**In lieu of a course by course substitution, the following block will be accepted: MEC250 (5 hrs), CIV111 (4 hrs) and CIV 210 (3 hrs)