



MSU COLLEGE OF AEROSPACE, COMPUTING, ENGINEERING, AND DESIGN

Civil Engineering Technology-Construction- B.S. Minimum 128 credits

Minor (NOT required)

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes. Recommendation only.

First Year		
Fall	CET 1100 Intro to CET OR CET 1040: Introduction to Engineering	3
	CET 1215 Engineering Graphics	3
	MTH 1410 Calculus I	4
	Oral Communication	3
	Written Communication	3
Total Credits		16
Spring	Written Communication	3
	MTH 2410 Calculus II	4
	PHY 2311 General Physics I AND PHY 2321 Laboratory	5
	ARCH 2003 Building Structures	3
	Arts and Humanities	3
Total Credits		18

Second Year		
Fall	JMP 2610 Introduction to Technical Writing	3
	MTH 2420 Calculus III	4
	CET 2150 Mechanics I-Statics	3
	CHE 1100 Principles of Chemistry AND CHE 1150 Laboratory	5
	EET 2340 Technical Programming Applications	3
Total Credits		18
Spring	PHY 2331 General Physics II AND PHY 2341 Laboratory	5
	CET 3135 Mechanics of Materials with Laboratory	4
	MET 3160 Mechanics II-Dynamics	3
	Historical (GD or ESSJ)*	3
Total Credits		15

*GD = global diversity class *ESSJ = ethnic studies and social justice class

Third Year		
Fall	CET 3185 Fundamental Fluid Mechanics I for CET (Fall only)	3
	CET 3100 Construction Methods	3
	CET 3110 Construction Estimating	3
	MET 3110 Thermodynamics	3
	CET 4570 Engineering Law (Fall only)	3
	CET 3120 Engineering Economy (Social and Behavioral)	3
Total Credits		18
Spring	CET 3190 Fluid Mechanics II for CET (Spring only)	3
	CET 3170 Intro to Structural Analysis (Spring only)	3
	Social and Behavioral Science (ESSJ)*	3
	Arts and Humanities	3
	CET 3330 Environmental Technology Processes	3
Total Credits		15

Fourth Year		
Fall	CET 4100 Senior Project I (Fall or Spring)	1
	CET 4450 Timber Design (Fall only)	3
	CET 4120:Concrete Design I (Fall only)	3
	CET 4400: Steel Design I (Fall only)	3
	CET 4130: Soil Mechanics (Fall only)	4
Total Credits		14
Spring	CET 4135 Foundation & Geotechnical Engineering (Spring only)	3
	CET 4150 Highway Engineering and Surveying (Spring only)	3
	CET 4110 Senior Project II (Spring only)	2
	Approved Elective	3
	Approved Elective	3
Total Credits		14

CET Electives: Please talk to CET faculty advisor