



A.A.S. CIVIL ENGINEERING TECHNOLOGY

Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>

FIRST SEMESTER

16 credits

ENS 105 Introduction to AutoCAD
1 Lect, 2 Lab, 2 credit
Pre-Req: None

Fall/Spring Day & Evening, Summer Evening

CET 101 Construction Methods
1 Lect, 3 Lab, 2 credit
Pre-Req: None

Fall/Spring Day & Evening

CET 103 Intro. To Civil Eng. Tech.
1 Lect, 3 Lab, 2 credit
Pre-Req: None

Fall/Spring Day & Evening

CET 150 Blueprint Reading
2 Lect, 2 Lab, 3 credit
Pre-Req: None

Fall/Spring Day & Evening

English ⁽¹⁾ 100, 101 or 108
3 Lect, 3 credit

Math by Advisement ⁽²⁾
4.5 Lect, 4 credit

SECOND SEMESTER

15 credits

CET 111 Structural Drawing I
1 Lect, 3 Lab, 2 credit
Pre-Req: ENS 105

Fall Evening, Spring Day

CET 218 Statics of Structures
3 Lect, 3 credit
Pre-Req: MAT 109

Fall Evening, Spring Day

*A student may take **CET 201 Construction Estimating** (2cr.) upon successful completion of CET: 101, 103, & 150.*

CET 231 Elementary Surveying
2 Lect, 3 Lab, 3 credit
Co-Req: ENS 105, Pre-Req MAT 109

Fall Saturday, Spring Day

COM 101 or ENG 111 ⁽³⁾
3 Lect, 3 credit

Math by Advisement ⁽²⁾
4.5 Lect, 4 credit

THIRD SEMESTER

16 credits

CET 211 Structural Drawing II
1 Lect, 3 Lab, 2 credit
Pre-Req: CET 111

Fall Day, Spring Evening

CET 219 Mechanics of Materials
3 Lect, 3 credit
Pre-Req: CET 218

Fall Day, Spring Evening

CET 222 Material Testing Laboratory
3 Lab, 1 credit
Suggested Co-Req: CET 219

Fall Day, Spring Evening

CET 232 Route Surveying
2 Lect, 3 Lab, 3 credit
Pre-Req: CET 231

Fall Day, Spring Saturday

CET 201 Construction Estimating ⁽⁴⁾
1 Lect, 3 Lab, 2 credit
Pre-Reqs: CET 101, CET 103, CET 150

Fall Day, Spring Evening

PED Activity ⁽⁷⁾
1.0 credit

Physics by Advisement ⁽⁵⁾
3 Lect, 3 Lab, 4 credit

FOURTH SEMESTER

17 credits

CET 223 Structural Steel Design
2 Lect, 3 Lab, 3 credit
Pre-Req: CET 219

See back for Course Offering

CET 225 Soils and Foundations
2 Lect, 3 Lab, 3 credit
Pre-Req: CET 219

See back for Course Offering

CET 240 Hydraulics
2 Lect, 3 Lab, 3 credit
Pre-Req: CET 219 or PHY 101

See back for Course Offering

Social Science Elective ⁽⁶⁾
3 Lect, 3 credit

PED Activity ⁽⁷⁾
1.0 credit

Physics by Advisement ⁽⁵⁾
3 Lect, 3 Lab, 4 credit

Schedules subject to change due to enrollment and/or budget conditions

- (1) Depending on placement
- (2) Students are required to take two courses of college level math. These courses shall be MAT 109 - Algebra and Trigonometry or above. So they are required to take two of the following depending on their ability:
- MAT 109 Algebra and Trigonometry,
 - MAT 111 Pre-Calculus,
 - MAT 122 Calculus I, or
 - MAT 123 Calculus II
- (3) Choose from:
- COM 101 Interpersonal Communications or
 - ENG 111 Technical Writing
- (4) A student may take CET 201 Construction Estimating (2cr.) upon successful completion of CET: 101, 103, & 150.
- (5) Students are required to take a two course sequence of Physics. These courses
- PHY 101 General Physics I or - PHY 151 Physics Science and Math I
 - PHY 102 General Physics II - PHY152 Physics Science and Math II
- Students shall have Math pre-requisite for each course.
- (6) Social Science courses are designated as SUNY Gen. Ed. courses with the code SUNY GE-SSBS; SUNY GEN ED-GSBS; NCC GEN ED-SBS must be selected from the courses of the following departments: African American Studies [AFR history classes and AFR 185 only], Economics/Finance, History/Political Science/Geography, Interdisciplinary Global Studies, Psychology, Sociology/Anthropology/Social Work .
- (7) Choose courses designated PED from the following departments: Health/Physical Education/ Recreation, Theatre/Dance [DAN 126 only]. Exempt students are: Veterans, Students over 25 at first date of attendance, Students over 30 at date of graduation. PED 279 & PED 280 for students with medical limitations or special situations and requires prior approval.

Three Year Cycle for Fourth Semester Course Offerings							
		Fall	Spr	Fall	Spr	Fall	Spr
CET 223					DAY		DAY
STEEL DESIGN			EVE			EVE	
CET 225			DAY		DAY		
SOILS & FNDS				EVE			EVE
CET 240			DAY				DAY
HYDRAULICS	EVE				EVE		
Year Offered							
	2018	2019	2019	2020	2020	2021	
	2021	2022	2022	2023	2023	2024	
	2024	2025	2025	2026	2026	2027	
	2027	2028	2028	2029	2029	2030	
Schedules subject to change due to enrollment and/or budget conditions							

<u>0.5 credit Activities for Men (M)</u>	<u>0.5 credit Activities for Women (W)</u>	<u>0.5 credit Co-Ed Activities (C)</u>	<u>1.0 credit Co-Ed Activities (C)</u>
PED 218 Weight Training I	PED 232 Fitness	PED 253 Tennis I	PED 279 & 280 Adapted Phys Ed I & II
PED 210 Weight Training II	PED 235 Weight Training	PED 255 Golf I	PED 269 Dance Fundamentals or DAN 126 Modern Dance
PED 208 Badminton	PED 226 Badminton	PED 263 Self Defense	PED 260
PED 206 Golf I	PED 227 Racquetball	Racquetball	PED 268 Stunts and Tumbling
PED 211 Racquetball	PED 228 Tennis I	PED 262 Spinning	PED 277 Circus Arts
PED 214 Tennis I	PED 234 Tennis II	PED 281 Social Dancing	PED 282 Outdoor Living
PED 217 Tennis II	PED 229 Volleyball	PED 267 Jazz Dance	PED 270 Adventure Activities
PED 215 Softball		PED 261 Yoga	PED 264 & 265 Karate I & II
PED 216 Volleyball		PED 258 Bowling I	PED 273 & 274 Swimming & Rescue I & II
		PED 259 Bowling II	PED 275 Water Safety Instructor

Prerequisite or Corequisite: The course description has the phrase "Pre-req., or coreq." This indicates that the course(s) that follow the phrase must be either successfully completed prior to registering for the desired course (pre-req.) or the course can be taken concurrently (co-req.) with the listed course. This does not mean that the courses must be taken together in the same semester. In banner, the student must add the courses at the same time to avoid errors.