



TRINE UNIVERSITY

Siena Heights Transfer Guide to BS - Civil Engineering

63 hours total eligible for transfer. Only 57 hours left to complete 120 hours of program requirements.

TRINE UNIVERSITY BACHELOR OF SCIENCE CIVIL ENGINEERING (129 HRS)				
Siena Heights University BS - General Engineering				63
Trine University BS - Civil Engineering				57
			Total Credits	129
General Education Requirements – 41 hours			Transfer Institution Information	
Communication – 9 hrs.		Credits	Siena Heights Univ	Credits
ENG 133	Technical Communication	3		
HUM 203	Humanities Seminar	3		
SP 203	Effective Speaking	3	TSO 101	3
Humanities and Social Science – 9 hrs.				
	Social Science	3	SOCIAL SCIENCE	3
	Social Science or Humanities Elective	3	FINE & PERFORMING ARTS	3
	Humanities Elective	3	PHILOSOPHY or RELIGIOUS STUDIES	3
Mathematics and Science – 23 hrs.				
MA 134	Calculus I	4	MAT 181	4
MA 164	Calculus II	4	MAT 182	4
MA 213	Calculus III	3	MAT 292	3
CH 104	General Chemistry I	4	CHE 141	4
CH 114	General Chemistry II	4	CHE 142	4
PH 224	University Physics I	4	PHY 161	4
Additional Requirements - 9 hrs.				
GE 101	Introduction to Engineering	1	ENR 149	1
EGR 152	Engineering Graphics for Civil Engineering	2	ENR 104	2
MA 233	Differential Equations	3	MAT 282	3
MA 393	Probability & Statistics	3	ENR 348	3
Engineering Science - 11 hrs.				
ES 213	Statics	3	ENR 150	3
ES 323	Fluid Mechanics	3		
ES 243	Solid Mechanics	3	ENR 250	3
ES 382	Engineering Economics	2		
Civil Engineering Core Requirements – 47 hrs.				
CE 1023	Engineering Math	3	ENR 140	3
CE 2001	Basic Surveying Lab	1		
CE 2003	Basic Surveying	3		
CE 3101	Environmental Engineering Lab	1		
CE 3103	Environmental Engineering	3		
CE 3201	Civil Engineering Materials Lab	1		
CE 3203	Civil Engineering Materials	3		
CE 3301	Hydraulic Engineering Lab	1		
CE 3303	Hydraulic Engineering	3		
CE 3501	Structural Analysis Lab	1		
CE 3503	Structural Analysis I	3		
CE 3521	Structural Design Lab	1		
CE 3523	Structural Design I	3		
CE 3603	Transportation Engineering	3		
CE 3701	Soil Mechanics Lab	1		
CE 3703	Soil Mechanics	3		
CE 3903	Introduction to Site Development	3		
CE 4911	Capstone Design I	1		
CE 4913	Civil & Environmental Engineering Design	3		
CE 4923	Sustainability in Civil Engineering	3		
GE 203	Introduction to GIS	3		
Civil Engineering In-dept Electives – 9 hrs.				
CE 4103	Pollution Control Technologies	3		
CE 4113	Environmental Remediation	3		
CE 4123	Water & Wastewater Treatment	3		
CE 4303	Open Channel Hydraulics	3		
CE 4323	Engineering Hydrology	3		
CE 4333	Design of Water Distribution Systems & Sewers	3		
CE 4603	Highway Geometric Design	3		
CE 4713	Foundation Engineering	3		
CE 4723	Pavement Design	3		
Additional Electives – 12 hrs.				
	Business Elective	3		
	Science Elective - PH 234	4	PHY 162	4
	Professional Development Elective	3		
	Professional Development Elective	3		
Electives – 6 hrs.				
	Elective	3	ENG 101	3
	Elective	3	ENG 102	3
TOTAL		129		63

Transfer Policy

- Official transcripts and scores sent to Trine University.
- A grade of “C” or higher earned.