

**SUNY Institute of Technology**  
**BS/Civil Engr. Technology Program of Study**

**Freshman**                      **1/20/2012**

<b>Total</b>	

**I. Arts & Sciences - 60 Credits**

**A. Mathematics & Science**

	TRANSFER		Bridge	Transferred	Required
Math. Coursework - 12 credits req'd	cr.	course	description		
Calculus I <sup>1</sup>			3 - 4 [MAT 121]	0	4
Calculus II			3 - 4 [MAT 122]	0	4
Calc-Based Math			3 - 4 [MAT 225]	0	4
Science Coursework - 12 credits req'd					
Physics I with Lab			4 [PHY 101]	0	4
Physics II with Lab			4 [PHY 102]	0	4
Chemistry with Lab <sup>2</sup>			4 [CHE 110]	0	4
Math/Science Electives			4 - 7 [MSCI 000]	0	4

**Totals:**  
**Math&Science**                      **0**                      **28**                      **28**  
(24 min.)

**B. Liberal Arts & Communications**

At least 5 of the following 7 categories:

Social Science <sup>3</sup> (ANT/ECO/POS/PSY/SOC/STS)			2-4 [SOS 001]	0	4
American History <sup>4</sup> (Some HIS)			2-4 [AMH 001]	0	4
Western Civilization <sup>5</sup> (HIS 306, 370, GEN, some HIS)			2-4 [WCV 001]	0	2
Other World Civilizations <sup>6</sup> (HIS 306,370, PHI 330)			2-4 [OCV 001]	0	2
Humanities <sup>7</sup> (ART, COM, ENG, some HIS, PHI 350)			2-4 [HUM 001]	0	4
Arts <sup>8</sup> (COM315, ART, ENG305, MUS)			2-4 [ART 001]	0	0
Foreign Language <sup>9</sup>			2-4 [FLN 001]	0	0
Communications-9 min.      Upper Division Writing <sup>10</sup>			3-4 [COM 306]	0	4
Oral Communication			3-4 [COM 300]	0	4
Written Communications			3-4 [ENG 101]	0	4

**Totals:**  
**LA & Comm.**                      **0**                      **28**                      **28**  
(24 min.)

**C. Computer Programming Language &**

**D. Arts and Science Electives**

Computer Programming Language - 3 credits req'd			3-4 [CPRG 000]	0	4
Arts and Science Electives			8-9 [ASCI 000]	0	0

**Totals:**  
**CS&AS**                      **0**                      **4**                      **4**

**A&S TOTAL**                      **0**                      **60**  
(60 min.)

**II. Technical Courses - 54 credits**

Required Upper Level Courses

Professionalism			2 [CTC 301]	0	2
Structural Analysis			3-4 [CTC 320]	0	4
Water/Wastewat. Systems			3-4 [CTC 450]	0	4
Engineering Economics			3-4 [CTC 475]	0	4
Civil Emphasis I			3-4 [CTC 340/415/422]	0	4
Civil Emphasis II			3-4 [CTC 440/470/424]	0	4
Upper Civil Elective			3-4 [                      ]	0	4
Capstone			3-4 [CTC 490]	0	3

Coverage in Knowledge Area (Some Courses above may count):

Computer Applications			2-4 [CTC 101]	0	26
Statics			2-4 [STCS 000]		
Strength of Mat'l			2-4 [STOM 000]		
Graphics			2-4 [EGRA 000]		
Surveying			3-4 [SURV 000]		
Soils & Foundations			3-4 [SOAF 000]		
Conc. Or Steel Design			2-4 [CEMT 000]		
Transportation			2-4 [TRAN 000]		
Hydrology			2-4 [CTC 260]		
Hydraulics			2-4 [CTC 261]		
Civil Electives			[CTC 000]		

**Tech. Courses**                      **0**                      **55**                      **55**  
(54 min.)

**III. Open Electives**

			varies [ELEC 000]	0	13

**Totals:**  
**Open Electives**                      **0**                      **13**                      **13**

**Summary of Transfer Hours:**

	Transfer:	Required:	Total:
Math & Science Requirements	0	28	28
Liberal Arts Requirements	0	28	28
Comp. Prgrm. Lang + A/S Electives	0	4	4
Technical Coursework	0	55	55
Open Electives	0	13	13

**TOTAL**                      **0**                      **128**                      **128**