

COGSWELL POLYTECHNICAL COLLEGE			SAN DIEGO CITY COLLEGE		
<b>Software Engineering</b>			Recommended Comparable Courses		
CPC Credits			Transferred Credits		
Engineering Courses (65 Credits)					
4	SE 110	C Programming	4	CISC 192	C/C++ Programming
			Total SE	4	
General Education (59 Credits)					
3	EN 100	Composition	3	ENGL 101	Reading and Composition
3	EN 210	Cultural Div in Lit	3	ENGL 220 or 221	Masterpieces of World Literature I or II
3	HU 170	US History		HIST 109 and 110 (6 cr)	History of the U.S. I and II
			or		
	SS 100	US Government	3	POLI 102	The American Political System
3	SS 123	World Cultures	3	ANTH 103	Intro to Cultural Anthropology
6	HU	Electives	6	Humanities Electives*	
3	SS	Elective	3	Social Sciences Electives*	
6	EN/HU/SS	Electives	6	English, Humanities or Soc. Sci. Electives*	
4	MA 133	Calculus I	5	MATH 150	Calculus with Analytic Geometry I
4	MA 134	Calculus II	4	MATH 151	Calculus with Analytic Geometry II
4	MA 235	Calculus III	4	MATH 252	Calculus with Analytic Geometry III
4	SC 145	College Physics I	6	PHYS 195A and 195B	Mechanics , Electricity, Magnetism
4	SC 155	College Physics II	6	PHYS 195B and 195C	Waves ,Light, and Modern Physics
			Total GE	52	
<b>Digital Arts Engineering</b>					
Basic Courses in SE (16 Credits)					
4	SE 110	C Programming	4	CISC 192	C/C++ Programming
Basic Courses in Digital Art (15 Credits)					
3	DA 200	Audio Recording	3	MUSI 201	Recording Arts
3	CV 101	2D Design and Color	3	ARTF 150A and	Design I and
			3	PHOT 180	Digital Imaging
3	CV 125	Intro to Drawing	3	ARTF 155A	Freehand Drawing I
3	CV 260	Intro to Photography	3	PHOT 100 and 180	Basic Black and White Photo and Digital Image
			Total SE/C	19.0	
General Education Courses (59 Credits)					
3	EN 100	English Composition	3	ENGL 101	Reading and Composition
3	EN 210	Cultural Div in Lit.	3	ENGL 220 or 221	Masterpieces of World Literature I or II
3	HU 120	History of Western Art	3	ARTF 111	Art History: Renaissance to Modern
3	HU 170	US History		HIST 109 and 110 (6 cr)	History of the U.S. I and II
			or		
	SS 100	US Government	3	POLI 102	The American Political System
3	SS 123	World Cultures	3	ANTH 103	Intro to Cultural Anthropology
3	SS	Elective	3	SS Elective*	
6	EN/HU/SS	Electives	6	English, Humanities or Social Sciences Electives*	
4	MA 133	Calculus I	5	MATH 150	Calculus with Analytic Geometry I
4	MA 134	Calculus II	4	MATH 151	Calculus with Analytic Geometry II

4	MA 235	Calculus III		4	MATH 252	Calculus with Analytic Geometry III
4	SC 145	College Physics I		6	PHYS 195A and 195B	Mechanics , Electricity, Magnetism
4	SC 155	College Physics II		6	PHYS 195B and 195C	Waves ,Light, and Modern Physics
			Total GE	49		
<b>Electrical Engineering</b>						
Engineering Courses (62 Credits)						
4	SE 110	C programming		4	CISC 192	C/C++ Programming
4	EE 270	Intro to Circuits		3	ENGE 260	Electric Circuits
			Total EE	7		
General Education (66 Credits)						
3	EN 100	English Composition		3	ENGL 101	Reading and Composition
3	EN 210	Cultural Div. In Lit.		3	ENGL 220 or 221	Masterpieces of World Literature I or II
3	HU 170	US History			HIST 109 and 110 (6 cr)	History of the U.S. I and II
		or			or	
	SS 100	US Government		3	POLI 102	The American Political System
3	SS 123	World Cultures		3	ANTH 103	Intro to Cultural Anthropology
6	HU	Electives		6	Humanities Electives*	
3	SS	Elective		3	Social Sciences Electives*	
6	EN/HU/SS	Electives		6	English, Humanities or Soc. Sci. Electives*	
4	MA 133	Calculus I		5	MATH 150	Calculus with Analytic Geometry I
4	MA 134	Calculus II		4	MATH 151	Calculus with Analytic Geometry II
4	MA 235	Calculus III		4	MATH 252	Calculus with Analytic Geometry III
4	SC 145	College Physics I		6	PHYS 195A and 195B	Mechanics , Electricity, Magnetism
4	SC 155	College Physics II		6	PHYS 195B and 195C	Waves ,Light, and Modern Physics
7	SC	Electives		7	Science Electives*	
			Total GE	59		
* CAN or IGETC Courses are recommended for all Electives						