Curriculum for B.S. Degree in Graphic Communications (120 units)

CALIFORNIA STATE UNIVERSITY, LOS ANGELES

(Effective Fall 2016)

Lower Division General Education Requirements (39 units)

BLOCK A – Basic Subjects (9 units)	**1 course each A1, A2, A3**
A1: COMM 1100 or HNRS 1100	**Oral Communication (3)**
A2: ENGL 1005B or ENGL 1010	**Written Communication (3)**
A3: COMM1200/ENGL 1050/PHIL 1600/POLS 1555	**Critical Thinking and Composition (3)**
American Institutions (6 units)	
U.S. History	**1 course (3)**
U.S. Constitution	**1 course (3)**
BLOCK B – Natural Sciences & Mathematics/ Quantitative Reasoning (9 units)	
	1 course each B1, B2, B4
B1 – PHYS 1560 and 1570	**NOTE: B3 (course can be taken in place**
B2 – Biological	**of either B1 or B2, but not both)**
B3 – Interdisciplinary Physical /Biological	**1 course (3)**
B4 – MATH 1000 or	**1 course (3)**
MATH 1040 (required if you choose CS option)	
BLOCK C – Arts and Humanities (6 units)	**1 course (3)**
BLOCK D – Social Sciences (6 units)	**1 course each C1, C2 (6)**
BLOCK E – Lifelong Understanding and Self-Development (3 units)	**2 courses (6)**
	ENGR 1500 (3)

Requirements for the Program (72 units)

A total of 72 units are required with 48 semester units of required courses, 18 semester units in emphases, and 6 semester units in technical electives with advisor approval.

Required Courses (48 units):

TECH 1300	Introduction to Graphic Communications (3) *Prerequisites: None*
TECH 2340	Lithographic and Digital Reproduction Processes (3) *Prerequisites: TECH 1300*
TECH 2500	Impact of Technology on the Individual and Society (3) *Prerequisites: None*
TECH 3300	Graphic Communications Processes and Materials (3) *Prerequisites: Junior standing*
TECH 4000	Written Communication Skills for Industrial Technology (3) *Prerequisites: Writing Proficiency Exam (WPE)*
TECH 4340	Graphic Communications Production Management I (3) *Prerequisites: TECH 3300*
TECH 4350	Color Theory, Reproduction, and Management (3) *Prerequisites: TECH 3300*
TECH 4950	Industrial Technology Senior Project I (3) *Prerequisites: Completion of an area of concentration, senior standing, and/or instructor consent; must be taken in sequence starting with TECH 4950*
TECH 4951	Industrial Technology Senior Project II (3) *Prerequisites: TECH 4950*
CS 1200	Living in a Technology-Based World (3) *Prerequisites: None*
CS 1220	Introduction to Website Development (3) *Prerequisites: Computer Literacy*
CS 2010	Computer Programming Fundamentals (3) *Prerequisites: Computer Literacy*
CS 1222	Introduction to Relational Databases (3) *Prerequisites: Computer Literacy*
CS 3801	Societal and Ethical Issues in Computing (3) *Prerequisites: Junior or Senior standing*
CS 1550	Fundamentals for Computer Graphics (3) *Prerequisites: GE mathematics requirement*
CS 2550	Introduction to Computer Graphics tools (3) *Prerequisites: CS 1550*

Options. Concentrations or Special Emphasis (18 units)

Computer Science Option: (18 units leading to a minor in Computer Science)

CS 2011	Introduction to Programming I (3) *Prerequisites: MATH 1040 or consent of the instructor*
CS 2012	Introduction to Programming II (3) *Prerequisites: CS 2011, recommended MATH 2110*
CS 2013	Programming with Data Structures (3) *Prerequisites: CS 2012, recommended MATH 2120*
CS 2445	Introduction to Computer Systems (3) *Prerequisites: CS 2011*
CS 3550	Game Development for Graphic Communications (3) *Prerequisites: CS 1550*
CS 3555	Mobile Development for Graphic Communications (3) *Prerequisites: CS 1550*

Management Option: (18 units leading to a minor in Operations and Supply Chain Management)

MGMT 3060	Operations Management (3) *Prerequisites: None*
MGMT 4500	Case Studies in Operations Management (3) *Prerequisites: MGMT 3060*
MGMT 4504	Supply Chain Management (3) *Prerequisites: MGMT 3060*

Select 3 additional courses for a total of 9 units from the following:

MGMT 4501	Process Design and Improvement (3) *Prerequisites: MGMT 3060 or equivalent*
MGMT 4502	Production and Inventory Management (3) *Prerequisites: MGMT 3060*
MGMT 4503	Total Quality Management (3) *Prerequisites: MGMT 3060*
MGMT 4505	Project Management (3) *Prerequisites: None*
MGMT 4506	Service Management (3) *Prerequisites: MGMT 3060 and MGMT 3070*
MGMT 4507	Operations Research (3) *Prerequisites: MGMT 3060*
MGMT 4105	Managerial Leadership and Motivation (3) *Prerequisites: MGMT 3070*

Electives (6 units)

Select 6 units with the approval of an advisor

General Education Upper Division Theme (9 units)

UPPER DIVISION GE THEME	3 Courses (9 units)

Notes:

- GE requirements must add up to at least 48 semester units. (39 Lower Division, 9 Upper Division units).
- An Introduction to Higher Education course (IHE) is required of all first-time freshman.
- A minimum C- grade in A1, A2, A3, and B4 classes is required. This does not apply to meeting prerequisite for courses that require these courses to be completed with a grade of C or better.
- A minimum C grade average in general education is required of all students following the Fall 2016 or later catalog.
- Civic Learning/Community Engagement Requirement (6 semester units). Three semester units will be fulfilled by completing the IHE course. One (cl) course must be completed at the upper division general education level. These courses are designated as (cl) after the course listing.
- Diversity Requirement (6 semester units). Students must complete one race/ethnicity (re) course and one diversity(d) course or another race/ethnicity (re) course. These courses are designated as (re) and (d) after the course listing.
- Writing Intensive Requirement (3 semester units). Students must complete one writing intensive (wi) course in their major. These courses are designated as (wi) after the course listing.