BERKELEY CITY COLLEGE CATALOG SUPPLEMENT 2015–2017

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BERKELEY CITY COLLEGE

CATALOG SUPPLEMENT

2015-17

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CATALOG SUPPLEMENT 2015-17

The Berkeley City College Catalog Supplement for 2015-17 is a summary of additions, reactivations, deactivations, and changes that have been made in curriculum and policies affecting students since the publication of the 2015-17 Catalog. Changes to curriculum are made on an ongoing basis throughout the academic year and are usually effective for a subsequent term. All individual course additions and changes show the effective term at the end of each entry. All program additions and changes show the effective term after the program title.

ACCURACY STATEMENT

Berkeley City College endeavors to accurately and fairly present its programs and its policies to the public. Those responsible for the preparation of this catalog, the class schedule and all other public announcements make every effort to ensure that the information presented is correct and up to date. However, Berkeley City College reserves the right to add, amend or repeal any rules, regulations, policies and procedures. The college assumes no responsibility for program changes or publication errors beyond its control. For the most current information, please check our Web site at http://www.berkeleycitycollege.edu and our catalog supplement.

COURSE ADDITIONS

DEPT/NO.	COURSE TITLE/INFORMATION	EFF
ART 175A	**ART 175A, 1 Unit** **Studio Art Laboratory** *3 hours laboratory (GR or P/NP). Prerequisite for ART 175A: ART 175. Co-requisite: to ART 175A: ART 018, ART 020, ART 022, ART 024, ART 025, ART 026, ART 029, ART 030, ART 031, ART 047, ART 050, ART 052, ART 054, ART 119, ART 133A, ART 133B or ART 181. Acceptable for credit: CSU.* Independent exploration, consultation and refinement of drawing, painting, and sculpture skills beyond normal classroom assignments: project development and realization. 1002.00	Spring 2016
ART 175B	**ART 175B, 1 Unit** **Studio Art Laboratory** *3 hours laboratory (GR or P/NP). Prerequisite for ART 175B: 175A. Co-requisite: to ART 175B: ART 018, ART 020, ART 022, ART 024, ART 025, ART 026, ART 030, ART 031, ART 047, ART 050, ART 052, ART 054, ART 119, ART 133A, ART 133B or ART 181. Acceptable for credit: CSU.* Independent exploration, consultation and refinement of drawing, painting, and sculpture skills beyond normal classroom assignments: project development and realization; portfolio preparation. 1002.00	Spring 2016
BUS 102	**BUS 102, 1 Unit** **Social Networking Tools for Job Searches** *1 hours lecture (GR or P/NP). Acceptable for credit: CSU* Social networking for job searches: Social media platforms, blogs, and other resources as appropriate; interpersonal networking skills. 0501.00 *AA/AS area 4C*	Fall 2015
CHEM 18	**CHEM 18, 3 Units** **Analytical Instrumentation** *2 hours lecture, 3 hours Lab (GR). Prerequisite: CHEM 1B. Acceptable for credit: CSU* Fundamentals of quantitative analysis: Solubility, acid-base, redox, complex formation and chemical equilibrium, and their applications in volumetric, gravimetric, colorimetric, chromatographic and spectroscopic analyses. This course emphasizes familiarity and skills in laboratory techniques and instrumental analysis. 0955.00 *AA/AS area 1; CSU areas B1, B3*	Fall 2015
ENGL 15	**ENGL 15, 3 Units** **Non-Fiction: Special Projects** *3 hours lecture, (GR or P/NP). Prerequisite: ENGL 001A. Acceptable for credit: CSU* Non-fiction writing and editing for publication: Editorial essays, interviews, reviews, and feature stories for newspapers and magazines. 1507.00 *AA/AS area 3*	Fall 2016
MMART 114	**MMART 114, 2 Units** **Data Design for Digital Media** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Co-requisite: MMART 114L. Acceptable for credit: CSU* Data graphics basics: Overview of statistics, choices for charting data, digital input techniques and display methods for illustrating complex information; survey design, user experience, and the use of color, typography and narrative in creating compelling data visualizations. 0614.00	Spring 2016

COURSE ADDITIONS

DEPT/NO.	COURSE TITLE/INFORMATION	EFF
MMART 114L	**MMART 114L, 1 Unit** **Data Design for Digital Media Lab** *4 hours laboratory (GR or P/NP). Co-requisite: MMART 114. Acceptable for credit: CSU* Practical training for development of multimedia skills presented in MMART 114. 0614.00	Spring 2016
MMART 117	**MMART 117, 2 Units** **Introduction to Desktop Publishing** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Co-requisite: MMART 117L. Acceptable for credit: CSU* Not open for credit to students who have completed or are currently enrolled in MMART 228C. Introduction to the use of page layout software: Basics of page layout, font selection and formatting, setting defaults, text and graphic placement, graphic scanning, and laser printing. This course utilizes industry standard software, such as InDesign. 0614.40	Fall 2016
MMART 117L	**MMART 117L, 1 Unit** **Introduction to Desktop Publishing Lab** *4 hours laboratory (GR or P/NP). Co-requisite: MMART 117. Acceptable for credit: CSU* Not open for credit to students who have completed or are currently enrolled in MMART 228C. Practical training for development of multimedia skills presented in MMART 117. 0614.00	Fall 2016
MMART 138	**MMART 138, 1.5 Units** **Location Sound Recording** *1.5 hours lecture (GR or P/NP). Acceptable for credit: CSU* Location sound recording for video production and the multimedia arts: Audio theory and principles; critical listening; analysis of studio and location audio environments; microphone types, selection, placement and use; use of audio mixers and digital recorders; crew organization, function and responsibilities. 0612.20 *AA/AS area 4C*	Spring 2017
MMART 141A	**MMART 141A, 3 Units** **Video Production I** *2 hours lecture, 4 hours laboratory (GR or P/NP). Prerequisite: MMART 110. Acceptable for credit: UC/CSU* Theory and practice of shooting video in studio and field environments: Recording formats and mechanics, basic cinematography styles and techniques, lighting, sound-recording; planning shoots with scripts, directorial guidance, and postproduction specifications. Not open for credit to students who have completed or are currently enrolled in MMART 151A. 0614.10 *AA/AS area 4C (C-ID FTVE 130)*	Spring 2016
MMART 141B	**MMART 141B, 3 Units** **Video Production II: Directing & Producing** *2 hours lecture, 4 hours laboratory (GR or P/NP). Prerequisite: MMART 141A. Acceptable for credit: CSU* Directing and producing a video project from script to screen: Script analysis from pragmatic and aesthetic perspectives, direction of actors, cinematography, lighting, creation of budgets and standard production materials. Not open for credit to students who have completed or are currently enrolled in MMART 151B. 0614.10 *AA/AS area 4C*	Spring 2016

COURSE ADDITIONS

DEPT/NO.	COURSE TITLE/INFORMATION	EFF
MMART 141C	**MMART 141C, 3 Units** **Digital Video Production III** *2 hours lecture, 4 hours laboratory (GR or P/NP). Prerequisite: MMART 142, MMART 141A and* *MMART 141B. Acceptable for credit: CSU* Video production emphasizing the development of advanced skills in one area of the students' choice: Direction, preproduction planning, cinematography, sound design, lighting or art direction. Not open for credit to students who have completed or are currently enrolled in MMART 151C. 0614.10 *AA/AS area 4C*	Spring 2016
MMART 142	**MMART 142, 3 Units** **Visual Storytelling & Cinematography** *2 hours lecture, 4 hours laboratory (GR or P/NP). Recommended Preparation: MMART 141A.* *Acceptable for credit: CSU* Visual Storytelling in Cinematography, Lighting and Art Direction: Visual aspects of filmmaking, including preproduction, storyboards, blocking, lighting, locations and props; technical skills, including camera functions and movement, safe use of lighting gear, on-set protocol, industry terminology, duties; responsibilities of the camera, lighting and art teams. 0614.10 *AA/AS area 4C*	Spring 2016
MMART 179	**MMART 179, 3 Units** **Animation Layout and Visual Development** *3 hours laboratory (GR or P/NP). Recommended Preparation: MMART 170 and MMART 170L. Acceptable for credit: CSU.* Dynamic composition and visual development for animation: Use of character actions, camera angles and perspective to stage effective layouts; application of storytelling elements, research, color theory and basic design principles. 0614.40 *AA/AS area 4C*	Spring 2016
MMART 180	**MMART 180, 2 Units** **Animation Special Effects** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Co-requisite: MMART 180L. Recommended Preparation: MMART 177and MMART 177L. Acceptable for credit: CSU* Introduction to the history and production of 2D/3D visual effects animation: Live action and animated video; researching and planning special effects based on natural phenomena; animation of 2D/3D objects and effects to be composited into existing video with appropriate sounds. 0614.40 *AA/AS area 4C*	Spring 2016
MMART 180L	**MMART 180L, 1 Unit** **Animation Special Effects Lab** *4 hours laboratory (GR). Co-requisite: MMART 180. Acceptable for credit: CSU* Practical training for development of multimedia skills presented in MMART 180. 0614.40 *AA/AS area 4C*	Spring 2016

COURSE ADDITIONS

DEPT/NO.	COURSE TITLE/INFORMATION	EFF
MMART 182	**MMART 182, 3 Units** **Scripting and Programming for Computer Graphics** *2 hours lecture, 3 hours laboratory (GR or P/NP). Recommended Preparation: MMART 130 and MMART 130L. Acceptable for credit: CSU* Introduction to scripting and programming for visual artists: Fundamental scripting techniques for integrated graphical development environments, including computer modeling, animation, video game and other visual media. 0614.20 *AA/AS area 4C*	Spring 2016
MMART 189	**MMART 189, 3 Units** **Introduction to 3D Character Animation** *2 hours lecture, 4 hours laboratory (GR or P/NP). Recommended Preparation: MMART 188. Acceptable for credit: CSU* Study and practice of creating the illusion of life through techniques of 3D Animation: Application of theory to practical scene work with emphasis on movement and acting in animated characters. 0614.10 *AA/AS area 4C*	Fall 2016
MMART 191	**MMART 191, 3 Units** **3D Modeling for Animation & Game Design** *2 hours lecture, 4 hours laboratory (GR or P/NP). Acceptable for credit: CSU* *Recommended Preparation: MMART 188, MMART 177, MMART 177 L* 3D Modeling: Principles and practices of modeling in polygons, NURBS, and subdivision surfaces; applications of textures, materials, and lighting to models; rendering with appropriate materials, lighting and cameras. 0614.10 *AA/AS area 4C*	Fall 2016
MMART 192	**MMART 192, 3 Units** **3D Rigging for Animation & Game Design** *3 hours laboratory (GR or P/NP). Recommended Preparation: MMART 188. Acceptable for credit: CSU.* Theories and techniques of 3D computer animation: Development of rigs for characters and mechanical; character animation; rigging; simulation; motion capture; rendering; exporting of rigged characters and objects to a game platform. 0614.40 *AA/AS area 4C*	Spring 2016
MMART 193	**MMART 193, 3 Units** **Game Design Level Development** *3 hours lecture. (GR or P/NP). Recommended Preparation: MMART 175B. Acceptable for credit: CSU.* Comprehensive game design: Detailed storyline, level design, artistic approach, implementation technologies, and art-asset pipeline; creation of a playable level demonstrating the core design and the approved scoped features for the game; game programming and software project management. 0614.10 *AA/AS area 4C*	Spring 2016
MMART 194	**MMART 194, 3 Units** **2D/3D Animation Production** *2 hours lecture, 3 hours laboratory (GR or P/NP). Recommended Preparation: MMART 187 and MMART 191. Acceptable for credit: CSU.* Creating a short animated piece from design through production: Team dynamics, acting, visual storytelling, working with clients, and completing a short animated film in 2D/2.5D or 3D depending on story. 0614.40 *AA/AS area 4C*	Spring 2016

COURSE ADDITIONS		
DEPT/NO.	**COURSE TITLE/INFORMATION**	**EFF**
SPAN 202	**SPAN 202, 3 Units** **Introduction to Medical Interpreting in Health Care** *0.5 hours lecture (P/NP). Recommended Preparation: ENGL 001A, SPAN 002B, and SPAN 022B.* Introduction to the field of Spanish Medical Interpreting: Orientation to BCC's Spanish Medical Interpreter Program; review of California Standards for Interpreting in Healthcare Settings; differences between ad-hoc and trained healthcare interpreters. 2104.00	Fall 2015
SPAN 208A	**SPAN 208A, 1 Unit** **Spanish Language Lab** *0.5 hours lecture, 1.5 hours laboratory (P/NP).* Individualized instruction in grammar, comprehension, and writing skills for students taking elementary Spanish (Spanish 1A). 1105.00	Fall 2015
SPAN 208B	**SPAN 208B, 1 Unit** **Spanish Language Lab II** *0.5 hours lecture, 1.5 hours laboratory (P/NP). Prerequisite: SPAN 001A.* Individualized instruction in grammar, comprehension, and writing skills for students taking elementary Spanish (Spanish 1B). 1105.00	Fall 2015
SPAN 208C	**SPAN 208C, 1 Unit** **Spanish Language Lab** *0.5 hours lecture, 1.5 hours laboratory (P/NP).* Individualized instruction in grammar, comprehension, and writing skills for students taking intermediate Spanish (Spanish 2A). 1105.00	Fall 2015
SPAN 208D	**SPAN 208D, 1 Unit** **Spanish Language Lab** *0.5 hours lecture, 1.5 hours laboratory (P/NP). Prerequisite: SPAN 002A.* Individualized instruction in grammar, comprehension, and writing skills for students taking intermediate Spanish (Spanish 2B). 1105.00	Fall 2015

COURSE REACTIVATIONS

DEPT/NO.	COURSE TITLE/INFORMATION	EFF
ESL 222A	**ESL 222A, 6 Units** **Intermediate Reading and Writing** *6 hours lecture (GR or P/NP). Prerequisites: ESL 285B or placement by Peralta multiple assessment.* Intermediate level of reading and writing: Academic vocabulary and critical thinking skills using intermediate-level ESL reading materials; expanding paragraphs into simple narratives and essays. 4930.87	Spring 2016
ESL 222B	**ESL 222B, 6 Units** **Intermediate Reading and Writing** *6 hours lecture (GR or P/NP). Prerequisites: ESL 222A or placement by Peralta multiple assessment.* Continuation of intermediate level of reading and writing: Academic vocabulary and critical thinking skills using intermediate-level ESL reading materials; expanding paragraphs into simple narratives and essays. 4930.87	Spring 2016
MMART 111B	**MMART 111B, 3 Units** **Narrative Scriptwriting II** *3 hours lecture (GR or P/NP). Prerequisites: MMART 111A. Acceptable for credit: CSU* Advanced workshop in revising and completing a professional-level narrative script: Critique and discussion of individual student scripts; revision and review, professional screenplay and film analysis; dissection of complex narrative elements such as voice, character, pacing; agent and producer pitch and strategy sessions. 0614.00	Fall 2016

COURSE MODIFICATIONS

DEPT/NO.	CHANGE COURSE FROM	CHANGE COURSE TO
CIS 36A EFF: Spring 2017	**CIS 36A, 4 Units** **Java Programming Language I** *3 hours lecture, 3 hours laboratory (GR or P/NP).* *Prerequisite: CIS 6 or 26.* *Acceptable for credit: UC/CSU* Introduction to object-oriented program design using Java: Developing web pages and stand-alone applications. 0707.10 *AA/AS area 4c*	**CIS 36A, 4 Units** **Java Programming Language I** *3 hours lecture, 3 hours laboratory (GR or P/NP).* *Prerequisite: CIS 6 or 61.* *Acceptable for credit: UC/CSU* Introduction to object-oriented program design using Java: Developing web pages and stand-alone applications. 0707.10 *AA/AS area 4c*
CIS 36B EFF: Fall 2016	**CIS 36B, 4 Units** **Java Programming Language II** *3 hours lecture, 3 hours laboratory (GR or P/NP).* *Prerequisite: CIS 25 and 36A and Equivalent Object-Oriented Programming Experience.* *Acceptable for credit: UC/CSU* Object-oriented program design using the Java programming language: Designing and programming with exceptions, threads, file input/output (I/O); networking and graphics classes; developing codes using tools such as Java 2D API and SWING; and working with projects in areas such as animation. 0707.10 *AA/AS area 4c*	**CIS 36B, 4 Units** **Java Programming Language II** *3 hours lecture, 3 hours laboratory (GR or P/NP).* *Prerequisite: CIS 25 or 36A.* *Acceptable for credit: UC/CSU* Object-oriented program design using the Java programming language: Designing and programming with exceptions, threads, file input/output (I/O); networking and graphics classes; developing codes using tools such as Java 2D API and SWING; and working with projects in areas such as animation. 0707.10 *AA/AS area 4c*
ENGL 1A EFF: Fall 2016	**ENGL 1A, 4 Units** **Composition and Reading** *4 hours lecture (GR). Prerequisite: ENGL 201B or appropriate placement through multiple measures assessment process.* *Acceptable for credit: UC/CSU* Reading and writing expository prose: Critical thinking, identifying logical fallacies, and reasoning inductively and deductively. 1501.00 *AA/AS area 4a; CSU area A2;* *IGETC area 1A (C-ID ENGL 100)*	**ENGL 1A, 4 Units** **Composition and Reading** *4 hours lecture (GR). Prerequisite: ENGL 201B, 264B, ESL 52B or appropriate placement through multiple measures assessment process.* *Acceptable for credit: UC/CSU* Reading and writing expository prose: Critical thinking, identifying logical fallacies, and reasoning inductively and deductively. 1501.00 *AA/AS area 4a; CSU area A2;* *IGETC area 1A (C-ID ENGL 100)*

COURSE MODIFICATIONS

DEPT/NO.	CHANGE COURSE FROM	CHANGE COURSE TO
ENGL 21 EFF: Spring 2016	**ENGL 21, 3 Units** **Film: Art and Communication** *3 hours lecture (GR or P/NP). Also offered as ART 98 and HUMAN 21. Not open for credit to students who have completed or are currently enrolled in and ART 98 or HUMAN 21. Acceptable for credit: UC/CSU* Analysis of history and aesthetics of film from its inception in the late nineteenth century to the present: Language of film, factual films vs. fictional films, and effect of films on contemporary society. 1501.00 *AA/AS area 3; CSU area C1; IGETC area 3A*	**ENGL 21, 3 Units** **Film Criticism and Analysis** *3 hours lecture (GR or P/NP). Acceptable for credit: UC/CSU.* Critical analysis of film: Formal elements, such as plot, character analysis, symbolism, and theme; application of critical theory, including new historicist, feminist, Marxist, post-colonial, psychological, and other critical lenses. 1501.00 *AA/AS area 3; CSU area C1; IGETC 3A*
HUMAN 21 EFF: Spring 2016	**HUMAN 21, 3 Units** **Film: Art and Communication** *3 hours lecture (GR). Also offered as ART 98 and ENGL 21. Not open for credit to students who have completed or are currently enrolled In ART 98 or ENGL 21. Acceptable for credit: UC/CSU* Analysis of history and aesthetics of film from its inception in the late nineteenth century to the present: Language of film, factual films vs. fictional films, and effect of films on contemporary society. 1599.00 *AA/AS area 3; CSU area C1; IGETC area 3A*	**HUMAN 21, 3 Units** **Film: Art and Communication** *3 hours lecture, (GR). Acceptable for credit: UC/CSU* Analysis of history and aesthetics of film from its inception in the late 19th century to the present: Language of film, factual film vs. fictional films, effect of films on contemporary society. 4903.00 *AA/AS area 3; CSU area C1; IGETC area 3A*
HUSV 70 EFF: Fall 2015	**HUSV 70, 3 Units** **Boundaries and Ethics** *3 hours lecture (GR). Acceptable for credit: CSU* Analysis of ethical principles and dilemmas that arise in health care settings: Criteria of conduct in professional boundaries, language and cultural guidelines to be applied by health care interpreters. 2104.00	**HUSV 70, 3 Units** **Boundaries and Ethics** *3 hours lecture, (GR). Recommended Preparation: SPAN 202. Acceptable for credit: CSU* Analysis of ethical principles and dilemmas that arise in health care settings: Criteria of conduct in professional boundaries, language and cultural guidelines to be applied by health care interpreters. 2104.00

COURSE MODIFICATIONS

DEPT/NO.	CHANGE COURSE FROM	CHANGE COURSE TO
HUSV 71 EFF: Fall 2015	**HUSV 71, 3 Units** **Cultural Brokerage** *3 hours lecture (GR). Acceptable for credit: CSU* Analysis of cultural brokerage: Interpreter as liaison, cultural guide, mediator, and catalyst for change; bridging the gap between patients and providers; integrating awareness, knowledge, and skills. 2104.00	**HUSV 71, 3 Units** **Cultural Brokerage** *3 hours lecture, (GR). Recommended Preparation: SPAN 202. Acceptable for credit: CSU* Analysis of cultural brokerage: Interpreter as liaison, cultural guide, mediator, and catalyst for change; bridging the gap between patients and providers; integrating awareness, knowledge, and skills. 2104.00
LIS 80 EFF: Fall 2016	**LIS 80, 1 Unit** **Introduction to Information Resources** *2 Units, 2 Hours Lecture (GR or P/NP).* *Recommended preparation: Students must be able to communicate in written English. Students must be able to navigate the Internet and communicate via e-mail.* *Recommended Preparation: BUS 219, or CIS 205, or CIS 237, and ENGL 201A or ENGL 204A. Acceptable for credit: UC/CSU,* Basic research skills: Introduction to concepts and skills necessary to conduct college-level research using electronic databases, book catalogs, and the Internet. Concurrent enrollment in a course with a research assignment is recommended. 1699.00 *AA/AS area 4c*	**LIS 80, 1 Unit** **Introduction to Information Resources** *2 Units, 2 Hours Lecture (GR or P/NP).* *Recommended preparation: Students must be able to communicate in written English. Students must be able to navigate the Internet and communicate via e-mail.* *Recommended Preparation: BUS 219, or CIS 205, or CIS 237, and ENGL 201A or ENGL 204A, or ENGL 264B.* *Acceptable for credit: UC/CSU,* Basic research skills: Introduction to concepts and skills necessary to conduct college-level research using electronic databases, book catalogs, and the Internet. Concurrent enrollment in a course with a research assignment is recommended. 1699.00 *AA/AS area 4c*
LRNRE 220 EFF: Fall 2015	**LRNRE 220, 3 Units** **Introduction to Team Self-Management** *2 hours lecture, 3 hours laboratory (GR or P/NP). Co-requisite: LRNRE 221, 222, and 223* Introduction to team self-management and leadership: Team development, communication, listening skills, dynamic leadership, self-assessment, and working styles. 4930.72	**LRNRE 220, 2 Units** **Introduction to Team Self-Management** *2 hours lecture, (GR or P/NP). Recommended Preparation: LRNRE 221* Introduction to team self-management and leadership: Team development, communication, listening skills, dynamic leadership, self-assessment, and working styles. 4930.72

COURSE MODIFICATIONS

DEPT/NO.	CHANGE COURSE FROM	CHANGE COURSE TO
MATH 3F EFF: Fall 2015	**MATH 3F, 3 Units** **Differential Equations** *3 hours lecture (GR). Prerequisite: MATH 3B and 3E. Co-requisite: MATH 3C. Math 3E and 3F are equivalent to MATH 3D. Not open for credit to students who have completed or are currently enrolled in MATH 3D. Acceptable for credit: UC/CSU* Ordinary differential equations: First-order, second-order, and higher-order equations; separable and exact equations, series solutions, LaPlace transformations, systems of differential equations. 1701.00 *AA/AS area 4b; CSU area B4; IGETC area 2 (C-ID MATH 240)*	**MATH 3F, 3 Units** **Differential Equations** *3 hours lecture, (GR). Co-requisite: MATH 3B, MATH 3E. Recommended Preparation: MATH 3C. Acceptable for credit: UC/CSU* Ordinary differential equations: First-order, second-order, and higher-order equations; separable and exact equations, series solutions, LaPlace transformations, systems of differential equations. MATH 3E and 3F are equivalent to MATH 3D. Not open for credit to students who have completed or are currently enrolled in MATH 3D. 1701.00 *AA/AS area 4B; CSU area B4; IGETC area 2; (C-ID Math 240)*
MATH 13 EFF: Fall 2016	**MATH 13, 4 Units** **Introduction to Statistics** 4 hours lecture (GR). Prerequisite: MATH 203 or 211D. Acceptable for credit: UC/CSU Introduction to theory and practice of statistics: Collecting data: Sampling, observational and experimental studies. Organizing data: Univariate and bivariate tables and graphs, histograms. Describing data: Measures of location, spread, and correlation. Theory: Probability, random variables; binomial and normal distributions. Drawing conclusions from data: Confidence intervals, hypothesis testing, z-tests, t-tests, and chi-square tests; one-way analysis of variance. Regression and non-parametric methods. 1701.00 AA/AS area 4b; CSU area B4; IGETC area 2 (C-ID MATH110)	**MATH 13, 4 Units** **Introduction to Statistics** 4 hours lecture (GR). Prerequisite: MATH 203, 206, or 211D. Acceptable for credit: UC/CSU Introduction to theory and practice of statistics: Collecting data: Sampling, observational and experimental studies. Organizing data: Univariate and bivariate tables and graphs, histograms. Describing data: Measures of location, spread, and correlation. Theory: Probability, random variables; binomial and normal distributions. Drawing conclusions from data: Confidence intervals, hypothesis testing, z-tests, t-tests, and chi-square tests; one-way analysis of variance. Regression and non-parametric methods. 1701.00 AA/AS area 4b; CSU area B4; IGETC area 2 (C-ID MATH110)
MMART 110 EFF: Spring 2016	**MMART 110, 3 Units** **Scriptwriting and Storyboarding I** *3 hours lecture (GR or P/NP). Recommended preparation: ENGL 1A. Acceptable for credit: CSU* Introduction to storytelling as an art: Pre-production planning for linear and interactive multimedia; development of treatments, scripts and storyboards; organization of drama through effective pacing and design. 0614.00	**MMART 110, 3 Units** **Scriptwriting and Storyboarding I** *3 hours lecture (GR or P/NP). Acceptable for credit: CSU* Introduction to storytelling as an art: Pre-production planning for linear and interactive multimedia; development of treatments, scripts and storyboards; organization of drama through effective pacing and design. 0614.00

COURSE MODIFICATIONS

DEPT/NO.	CHANGE COURSE FROM	CHANGE COURSE TO
MMART 116 EFF: Spring 2016	**MMART 116, 3 Units** **Storytelling in Animation** *3 hours lecture (GR or P/NP). Recommended preparation: MMART 110. Acceptable for credit: CSU* Animated project design using storytelling elements, improvisation and brainstorming: Developing effective characters, story arcs, primary and secondary action, pacing, and layout. 0614.00	**MMART 116, 3 Units** **Storytelling in Animation** *3 hours lecture (GR or P/NP). Prerequisite: MMART 110. Acceptable for credit: CSU* Animated project design using storytelling elements, improvisation and brainstorming: Developing effective characters, story arcs, primary and secondary action, pacing and layout. 0614.40
MMART 135A EFF: Spring 2016	**MMART 135A, 2 Units** **Advanced Practices for Digital Printmaking I** *1 hour lecture, 3 hours laboratory (GR or P/NP). Co-requisite: MMART 135LA.* *Recommended Preparation: MMART 134B/134LB , ART 41. Acceptable for credit: CSU* Project-based study of digital printmaking: Focus on enhancing basic technological and visual skills; history and theory of printmaking, hands-on projects using advanced digital technologies, class critiques of projects, portfolio development, operation of digital printing technologies. 0614.60 *AA/AS area 4c*	**MMART 135A, 2 Units** **Advanced Practices for Digital Printmaking I** *1 hour lecture, 3 hours laboratory (GR or P/NP). Co-requisite: MMART 135LA.* *Recommended Preparation: MMART 134B/134LB , ART 41. Acceptable for credit: CSU* Project-based study of digital printmaking: Enhancing basic technological and visual skills; history and theory of printmaking; hands-on projects using advanced digital technologies; class critiques of projects; portfolio development; operation of digital printing technologies. 0614.60 *AA/AS area 4c*
MMART 135B EFF: Spring 2016	**MMART 135B, 2 Units** **Advanced Practices for Digital Printmaking II** *1 hour lecture, 3 hours laboratory (GR or P/NP). Co-requisite: MMART 135LB.* *Recommended Preparation: MMART 135A/135LA. Acceptable for credit: CSU* Project-based study of digital printmaking: Focus on advancing input and acquisition skills to realize artistic vision; history and theory of printmaking, hands-on projects using advanced digital technologies, class critiques of projects, portfolio development, operation of digital printing technologies. 0614.60 *AA/AS area 4c*	**MMART 135B, 2 Units** **Advanced Practices for Digital Printmaking II** *1 hour lecture, 3 hours laboratory (GR or P/NP). Co-requisite: MMART 135LB.* *Recommended Preparation: MMART 135A/135LA. Acceptable for credit: CSU* Project-based study of digital printmaking: Advancing input and acquisition skills to realize artistic vision; history and theory of printmaking; hands-on projects using advanced digital technologies; class critiques of projects; portfolio development; operation of digital printing technologies. 0614.60 *AA/AS area 4c*

COURSE MODIFICATIONS

DEPT/NO.	CHANGE COURSE FROM	CHANGE COURSE TO
MMART 135C EFF: Spring 2016	**MMART 135C, 2 Units** **Advanced Practices for Digital Printmaking III** *1 hour lecture, 3 hours laboratory (GR or P/NP). Co-requisite: MMART 135LC.* *Recommended Preparation: MMART 135B/135LB.* *Acceptable for credit: CSU* Project-based study of digital printmaking: Focus on output and presentation techniques for conceptual realization; history and theory of printmaking, hands-on projects using advanced digital technologies, class critiques of projects, portfolio development, operation of digital printing technologies. 0614.60 *AA/AS area 4c*	**MMART 135C, 2 Units** **Advanced Practices for Digital Printmaking III** *1 hour lecture, 3 hours laboratory (GR or P/NP). Co-requisite: MMART 135LC.* *Recommended Preparation: MMART 135B/135LB.* *Acceptable for credit: CSU* Project-based study of digital printmaking: Output and presentation techniques for conceptual realization; history and theory of printmaking; hands-on projects using advanced digital technologies; class critiques of projects; portfolio development; operation of digital printing technologies. 0614.60 *AA/AS area 4c*
MMART 135D EFF: Spring 2016	**MMART 135D, 2 Units** **Advanced Practices for Digital Printmaking IV** *1 hour lecture, 3 hours laboratory (GR or P/NP). Co-requisite: MMART 135LD.* *Recommended Preparation: MMART 135C/135LC.* *Acceptable for credit: CSU* Project-based study of digital printmaking: Focus on preparation for participation in the cultural dialectic of digital print media; history and theory of printmaking, hands-on projects using advanced digital technologies, class critiques of projects, portfolio development, operation of digital printing technologies. 0614.60 *AA/AS area 4c*	**MMART 135D, 2 Units** **Advanced Practices for Digital Printmaking IV** *1 hour lecture, 3 hours laboratory (GR or P/NP). Co-requisite: MMART 135LD.* *Recommended Preparation: MMART 135C/135LC.* *Acceptable for credit: CSU* Project-based study of digital printmaking: Preparation for participation in the cultural dialectic of digital print media; history and theory of printmaking; hands-on projects using advanced digital technologies; class critiques of projects; portfolio development; operation of digital printing technologies. 0614.60 *AA/AS area 4c*
MMART 148A EFF: Spring 2016	**MMART 148A, 2 Units** **Sound Design I** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Corequisite: MMART 148LA Recommended preparation: MMART 150A/150LA and 200.* *Acceptable for credit: UC/CSU* Theory and practice of sound design: Survey of sound-recording formats and mechanics, professional editing systems, preparing sound for postproduction, integrating sound and video editing software, techniques of sound editing and sound-sweetening, export and output issues, project management. 0614.10 *AA/AS area 4c*	**MMART 148A, 2 Units** **Sound Recording and Editing** *2 hours lecture, 1 hours laboratory (GR or P/NP). Corequisite: MMART 148LA. Acceptable for credit: UC/CSU* Introduction to the theory and practice of recording and editing Audio: Fundamentals of sound design and aesthetics, microphone use, and digital recording equipment; hands on experience recording, editing, mixing and mastering audio. 0614.10 *AA/AS area 4C*

COURSE MODIFICATIONS

DEPT/NO.	CHANGE COURSE FROM	CHANGE COURSE TO
MMART 148LA EFF: Spring 2016	**MMART 148LA, 1 Unit** **Sound Design I Lab** *4 hours laboratory (GR or P/NP). Co-requisite: MMART 148A. Acceptable for credit: UC/CSU* Practical training for development of multimedia skills presented in MMART 148A. 0614.10 *AA/AS area 4c*	**MMART 148LA, 1 Unit** **Sound Recording and Editing Lab** *4 hours laboratory (GR or P/NP). Co-requisite: MMART 148. Acceptable for credit: UC/CSU* Practical training for development of sound recording and editing skills presented in MMART 148A. 0614.10 *AA/AS area 4C*
MMART 148B EFF: Spring 2016	**MMART 148B, 2 Units** **Sound Design II** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Corequisite: MMART 148LB Recommended Preparation: MMART 148A/148LA. Acceptable for credit: CSU* Advanced practice and theory of sound design: Video, the internet, and live performance settings; advanced sound editing techniques using industry-standard tools, research/ screenings of influential sound artists and revolutionary sound technologies. 0614.10 *AA/AS area 4c*	**MMART 148B, 2 Units** **Sound for Film & Animation** *2 hours lecture, 1 hours laboratory (GR or P/NP). Prerequisite: MMART 148A and 148LA. Corequisite: MMART 148LB. Acceptable for credit: CSU* Recording and editing sound for moving images: Use of microphones, booms, mixers and digital recorders; postproduction sound, including cutting dialog, spotting, sound-sweetening, building presence and mixing audio levels to accompany image; sound design, including creatively and emotionally enhancing the moving image. 0614.10 *AA/AS area 4C*
MMART 148LB EFF: Spring 2016	**MMART 148LB, 1 Unit** **Sound Design II Lab** *4 hours laboratory (GR or P/NP). Co-requisite: MMART 148B. Acceptable for credit: CSU* Practical training for development of multimedia skills presented in MMART 148B. 0614.10 *AA/AS area 4c*	**MMART 148LB, 1 Unit** **Sound for Film & Animation Lab** *4 hours laboratory (GR or P/NP). Co-requisite: MMART 148B. Acceptable for credit: CSU* Practical training for development of multimedia skills presented in MMART 148B. 0614.10 *AA/AS area 4C*

COURSE MODIFICATIONS

DEPT/NO.	CHANGE COURSE FROM	CHANGE COURSE TO
MMART 162 EFF: Spring 2016	**MMART 162, 2 Units** **Web Graphics** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Co-requisite: MMART 162L. Recommended preparation: Art 41, and MMART 130/130L and 200. Acceptable for credit: CSU* Image analysis and preparation for web-ready graphics and animation: Principles of web color theory, file size economy, and efficient online image presentation. 0614.30 *AA/AS area 4c*	**MMART 162, 2 Units** **Contemporary Scripting for Games, Mobile and Web** *2 hours lecture, 1.5 hours laboratory (GR or P/NP). Co-requisite: MMART 162L. Recommended Preparation: MMART 168. Acceptable for credit: CSU* Introduction to scripting and programming for visual artists: Fundamental scripting techniques for web, mobile, video games, virtual reality, and other visual media; designing, implementing, and testing foundational application programs. 0614.30 *AA/AS area 4C*
MMART 162L EFF: Spring 2016	**MMART 162L, 1 Unit** **Web Graphics Lab** *4 hours laboratory (GR or P/NP). Corequisite: MMART 162. Acceptable for credit: CSU* Practical training for development of multimedia skills presented in MMART 162. 0614.30 *AA/AS area 4c*	**MMART 162L, 1 Unit** **Contemporary Scripting for Games, Mobile and Web Lab** *4 hours laboratory (GR or P/NP). Corequisite: MMART 162. Acceptable for credit: CSU* Practical training for development of multimedia skills presented in MMART 162. 0614.30 *AA/AS area 4C*
MMART 170 EFF: Spring 2016	**MMART 170, 2 Units** **Creative Design Industry Projects** *1.5 Hours Lecture, 1.5 Hours Lab (GR or P/NP). Co-requisite: MMART 170L. Recommended Preparation: MMART 164. Not open for credit to students who have completed or are currently enrolled in MMART160B. Acceptable for credit: CSU* Advanced web design skills relevant to creative business standards: Professional and strategic training for development of multimedia skills presented in MMART 170L. Course will include simulation of a real world online production environment. 0614.30 *AA/AS area 4c*	**MMART 170, 2 Units** **Virtual Reality and Digital Spaces** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Co-requisite: MMART 170L. Recommended Preparation: MMART 165 and MMART 164. Acceptable for credit: CSU* Interactive and game based architectures: virtual reality environments, visible and invisible data, interactive design environments, and visual mapping. 0614.30 *AA/AS area 4C*

COURSE MODIFICATIONS

DEPT/NO.	CHANGE COURSE FROM	CHANGE COURSE TO
MMART 170L EFF: Spring 2016	**MMART 170L, 1 Unit** **Creative Design Industry Projects Lab** *4 Hours Lab (GR or P/NP). Co-requisite: MMART 170. Not open for credit to students who have completed or are currently enrolled in MMART160LB. Acceptable for credit: CSU* Apply advanced web design skills relevant to creative business standards. Emphasis on grid based display architecture, refined design elements, detailed image creation, interactivity, project management, and technical understanding. Practical training for development of multimedia skills presented in MMART 170. 0614.30 *AA/AS area 4c*	**MMART 170L, 1 Unit** **Virtual Reality and Digital Spaces Lab** *4 hours laboratory (GR or P/NP). Co-requisite: MMART 170. Acceptable for credit: CSU* Practical training for development of multimedia skills presented in MMART 170. 0614.30 *AA/AS area 4C*
MMART 177 EFF: Spring 2016	**MMART 177, 2 Units** **Introduction to Animation Principles** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Co-requisite: MMART 177L. Recommended Preparation: ART 25, MMART 110. Acceptable for credit: CSU* Introduction to the principles of animation: Creating characters; drawing key poses and in-betweens; designing movement paths, pose manipulation and cycles; timing movement based on sound tracks; utilizing storyboards and dynamic composition to create animated scenes; testing motion studies and scene storytelling with software. 0614.40 *AA/AS area 4c*	**MMART 177, 2 Units** **Introduction to Animation Principles** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Co-requisite: MMART 177L. Recommended Preparation: MMART 110 and MMART 116. Acceptable for credit: CSU* Introduction to the principles of animation: Creating characters; drawing key poses and in-betweens; designing movement paths, pose manipulation and cycles; timing movement based on sound tracks; utilizing storyboards and dynamic composition to create animated scenes; testing motion studies and scene storytelling with software. 0614.40 *AA/AS area 4c*
MMART 178 EFF: Spring 2016	**MMART 178, 2 Units** **Drawing for Animation** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Co-requisite: MMART 178L. Recommended preparation: ART 20. Acceptable for credit: CSU* Freehand drawing techniques in traditional animation: Gesture drawing, designing key poses, drawing figures in motion, capturing motion in fast sketches, analysis and development of motion paths. 0614.40 *AA/AS area 4c*	**MMART 178, 2 Units** **Drawing for Animation** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Co-requisite: MMART 178L. Acceptable for credit: CSU* Freehand drawing techniques in traditional animation: Gesture drawing, designing key poses, drawing figures in motion, capturing motion in fast sketches, analysis and development of motion paths. 0614.40 *AA/AS area 4c*

COURSE MODIFICATIONS

DEPT/NO.	CHANGE COURSE FROM	CHANGE COURSE TO
MMART 186 EFF: Spring 2016	**MMART 186, 2 Units** **Flash 2D Animation** *1.5 hours lecture, 1.5 hours lab (GR or P/NP). Co-requisite: MMART 186L. Recommended Preparation: MMART 177/177L. Acceptable for credit: CSU* 2D animation using a vector-based imaging and animation program : Survey of traditional animation techniques; importing graphics; creating and manipulating symbols; using keyframes; designing motion paths; using Motion Tweens and Shape Tweens to animate symbols; and publishing the animations to various formats. 0614.40 *AA/AS area 4c*	**MMART 186, 2 Units** **Introduction to 2D Digital Animation** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Co-requisite: MMART 186L. Recommended Preparation: MMART 177/177L. Acceptable for credit: CSU* 2D animation using a vector-based imaging and animation program : Survey of traditional animation techniques; importing graphics; creating and manipulating symbols; using key frames; designing motion paths; using Motion Tweens and Shape Tweens to animate symbols; and publishing the animations to various formats. 0614.40 *AA/AS area 4C*
MMART 186L EFF: Spring 2016	**MMART 186L, 1 Unit** **Flash 2D Animation Lab** *4 hours lab (GR or P/NP). Co-requisite: MMART 186. Acceptable for credit: CSU* Practical training for development of multimedia skills presented in MMART 186. 0614.40 *AA/AS area 4c*	**MMART 186L, 1 Unit** **Introduction to 2D Digital Animation Lab** *4 hours laboratory (GR or P/NP). Co-requisite: MMART 186. Acceptable for credit: CSU* Practical training for development of multimedia skills presented in MMART 186. 0614.40 *AA/AS area 4C*
MMART 187 EFF: Spring 2016	**MMART 187, 2 Units** **Animation Practice I** *1.5 hours lecture, 1.5 hours lab (GR or P/NP). Co-requisite: MMART 187L. Recommended Preparation: MMART 177/177L, ART 25. Acceptable for credit: CSU* Project-based study of animation: Developing movement based on the principles of animation; designing characters; timing based on lip-synching; rotoscoping; coordinating sound to animated shorts and exploring the themes of American animation history. 0614.40 *AA/AS area 4c*	**MMART 187, 2 Units** **Animation Practice I** *1.5 hours lecture, 1.5 hours lab (GR or P/NP). Co-requisite: MMART 187L. Recommended Preparation: MMART 177/177L. Acceptable for credit: CSU* Project-based study of animation: Developing movement based on the principles of animation; designing characters; timing based on lip-synching; rotoscoping; coordinating sound to animated shorts and exploring the themes of American animation history. 0614.40 *AA/AS area 4c*

COURSE MODIFICATIONS

DEPT/NO.	CHANGE COURSE FROM	CHANGE COURSE TO
MMART 188 EFF: Fall 2016	**MMART 188, 2 Units** **Introduction to 3D Animation I** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP).* *Acceptable for credit: CSU* Introduction to the theory, history and production techniques of 3D Animation: Pre-production through post-production and deliverables; considerations for game and other industries. 0614.40 *AA/AS area 4c*	**MMART 188, 3 Units** **Introduction to 3D Animation I** *2 hours lecture, 4 hours laboratory (GR or P/NP).* *Acceptable for credit: CSU* Introduction to the theory, history and production techniques of 3D Animation: Pre-production through post-production and deliverables; considerations for game and other industries. 0614.10 *AA/AS area 4C*
MMART 196A EFF: Spring 2016	**MMART 196A, 2 Units** **Art Marketing and Portfolio Management** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP).* *Co-requisite: MMART 196LA* *Acceptable for credit: CSU* Principles of marketing digital artwork: Business models and marketing structures, professional collaboration, systems approach to marketing digital artwork, portfolio development, networking opportunities, and career management for the professional digital artist. 0614.00 *AA/AS area 4c*	**MMART 196A, 2 Units** **Art Marketing and Portfolio Management** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP).* *Recommended Preparation: MMART 196LA.* *Acceptable for credit: CSU.* Principles of marketing digital artwork: Business models and marketing structures, professional collaboration, systems approach to marketing, portfolio development, networking opportunities, and career management for the professional digital artist. 0614.00 *AA/AS area 4C*
MMART 197 EFF: Spring 2016	**MMART 197, 2 Units** **Multimedia Portfolio/Sample Reel Development** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Co-requisite: MMART 197L. Recommended Preparation: MMART 130/130L, 150A/150LA, 159, 160A/160LA. Acceptable for credit: CSU* Development of professional-level portfolio in printed form, on the web, and/or on CD/DVD in the context of job-search preparation: Portfolio design and production, resume refinement, interview and customer relations skills, job-search activities, and networking in the multimedia field. 0614.00 *AA/AS area 4c*	**MMART 197, 2 Units** **Multimedia Portfolio/Sample Reel Development** *1.5 hours lecture, 1.5 hours laboratory (GR or P/NP). Co-requisite: MMART 197L. Recommended Preparation: MMART 130, MMART 130L, MMART 150A, MMART 150LA, MMART 164, and MMART 160/160LA. Acceptable for credit: CSU.* Development of professional-level portfolio or demo reel for the web in the context of job-search preparation: Portfolio design and production, resume refinement, interview skills, job-search activities, and networking in the multimedia field. 0614.00 *AA/AS area 4C*

COURSE MODIFICATIONS

DEPT/NO.	CHANGE COURSE FROM	CHANGE COURSE TO
SOC 5 EFF: Spring 2016	**SOC 5, 3 Units** **Minority Groups** *3 hours lecture (GR or P/NP). Acceptable for credit: UC/CSU* Analysis of racial, religious, and ethnic minority groups: General principles of dominant-minority group relations. 2208.00 *AA/AS area 2, 5; CSU area D; IGETC area 4 (C-ID SOCI 150)*	**SOC 5, 3 Units** **Minority Groups** *3 hours lecture (GR or P/NP). Acceptable for credit: UC/CSU* Analysis of racial, religious, and ethnic minority groups: General principles of dominant-minority group relations. 2208.00 *AA/AS area 2, 5; CSU area D; IGETC area 4; UCB American Cultures*
SPAN 70 EFF: Fall 2015	**SPAN 70, 3 Units** **Spanish Medical Terminology** *3 hours lecture (GR). Prerequisite: SPAN 2A. Acceptable for credit: CSU* Spanish medical terminology for the human body: Internal and external anatomy, its nature and system, general diseases, treatment modalities and procedures, first aid in emergencies and common injuries; bridging the language and cultural gap between clients and providers. 1105.00	**SPAN 70, 3 Units** **Spanish Medical Terminology** *3 hours lecture (GR). Prerequisite: SPAN 2A and SPAN 202. Acceptable for credit: CSU.* Spanish medical terminology for the human body: Internal and external anatomy, its nature and system, general diseases, treatment modalities and procedures, first aid in emergencies and common injuries; bridging the language and cultural gap between clients and providers. 2140.00
SPAN 71 EFF: Fall 2015	**SPAN 71, 3 Units** **Spanish Medical Interpreting I** *3 hours lecture, (GR). Acceptable for credit: CSU* Effective language interpretation in health care settings: Basic knowledge of common medical conditions; treatments and procedures, insight in language and cultural nuances for specific communities; basic modes of interpretation; techniques for strengthening memory; and interpreting accurately; overview of the U.S. health care system and the responsibilities of health care interpreters. 1105.00	**SPAN 71, 3 Units** **Spanish Medical Interpreting I** *3 hours lecture (GR). Prerequisite: SPAN 70. Acceptable for credit: CSU.* Effective language interpretation in health care settings: Basic knowledge of common medical conditions; treatments and procedures, insight in language and cultural nuances for specific communities; basic modes of interpretation; techniques for strengthening memory; and interpreting accurately; overview of the U.S. health care system and the responsibilities of health care interpreters. 2140.00

COURSE DEACTIVATIONS

DEPT/NO.	COURSE TITLE	EFF
ANTHR 5	American Indian History and Culture	Fall 2016
ARAB 30A	Beginning Conversational Arabic	Spring 2016
ARAB 801	Advanced Beginner Arabic Readings	Spring 2016
ART 14	Themes, Trends, and Traditions in World Art	Spring 2016
ART 17A	History of Western Art: Prehistory Through the Middle Ages	Spring 2016
ART 17B	History of Western Art: Renaissance to Contemporary Art	Spring 2016
ART 21	Continuing Drawing and Composition	Spring 2016
ART 23	Advanced Drawing and Composition	Spring 2016
ART 27	Intermediate Figure Drawing and Composition	Spring 2016
ART 28	Advanced Figure Drawing and Composition	Spring 2016
ART 41	Basic Design	Spring 2016
ART 44	Three Dimensional Design	Spring 2016
ART 48UY	Art	Spring 2016
ART 48VO	Introduction to Conceptual	Spring 2016
ART 48VR	Introduction to Islamic Art	Spring 2016
ART 48VS	Introduction to Conceptual Art	Spring 2016
ART 51	Continuing Painting	Spring 2016
ART 53	Advanced Painting	Spring 2016
ART 60	Beginning Painting	Spring 2016
ART 61	Continuing Painting: Watercolor	Spring 2016
ART 62	Intermediate Watercolor	Spring 2016
ART 63	Advanced Paint/Watercolor	Spring 2016
ART 64	Special Projects: Watercolor Painting	Spring 2016
ART 80	Beginning Ceramics	Spring 2016
ART 81	Continuing Ceramics	Spring 2016
ART 84	Special Projects: Ceramics	Spring 2016
ART 95A	Beginning Photography I	Spring 2016
ART 95B	Beginning Photography II	Spring 2016
ART 96A	Intermediate Photography	Spring 2016
ART 96B	Advanced Photography	Spring 2016
ART 98	Film: Art and Communication	Spring 2016
ART 201A	Art Destination Studies Eastern Mediterranean	Spring 2016
ART 201B	Art Destination Studies Western Mediterranean	Spring 2016
ART 201C	Art Destination Studies Central and Southern Europe	Spring 2016
ART 201D	Art Destination Studies Northern Europe & British Isles	Spring 2016
ART 201E	Art Destination Studies Central Asia, Indian Sub-Continent; Himalayan Regions	Spring 2016
ART 201F	Art Destination Studies Southeast Asia and East Asia	Spring 2016
ART 201G	Art Destination Studies: Africa	Spring 2016
ART 201H	Art Destination Studies	Spring 2016
ART 201I	Dest: Mexico/C.America/Carib	Spring 2016
ART 201J	Dest: South America	Spring 2016
ART 201K	Dest: United States	Spring 2016
ART 201L	Dest: Canada	Spring 2016
ART 848UA	Art and Cultures at the Crossroads	Spring 2016
ASL 202	American Sign Language	Spring 2016
BUS 248UB	Office Systems/Tech.	Spring 2016

COURSE DEACTIVATIONS

DEPT/NO.	COURSE TITLE	EFF
BUS 248UG	Business	Spring 2016
BUS 248UM	Networking Tools/Job Searches	Spring 2016
CHIN 40A	Conversational Chinese (Mandarin)	Spring 2016
CIS 26	C Programming	Spring 2016
CIS 40	Database Management	Spring 2016
CIS 83	Capstone Project	Spring 2016
CIS 88	Introduction to Microcomputer Hardware and Software	Spring 2016
CIS 97A	Oracle SQL and PL/SQL	Spring 2016
CIS 206	Network Cabling	Spring 2016
CIS 207	Computer Systems Troubleshooting	Spring 2016
CIS 216	Introduction to Programming in Visual Basics	Spring 2016
CIS 220	Introduction to Database Management	Spring 2016
CIS 222	Advanced Database Programming	Spring 2016
CIS 243	Foundations in Computer Skills	Spring 2016
CIS 245C	Microsoft Access with Visual Basic for Applications (VBA) II	Spring 2016
CIS 848UA	Introduction to Robotics Programming	Spring 2016
COMM 220A	Communication for Employment Preparation	Spring 2016
COMM 220B	Communication	Spring 2016
COMM 220C	Communication	Spring 2016
COMM 220D	Communication	Spring 2016
COMM 220E	Communication	Spring 2016
COMM 220F	Communication	Spring 2016
COPED 456L	General Work Experience	Spring 2016
ENGL 43	Introduction to Poetry	Spring 2016
ENGL 71B	Introduction to Fiction Writing	Spring 2016
ENGL 72B	Intermediate Fiction Writing	Spring 2016
ENGL 73B	Intensive Fiction Writing	Spring 2016
ENGL 91B	Introduction to Poetry Writing	Spring 2016
ENGL 92B	Intermediate Poetry Writing	Spring 2016
ENGL 93B	Intensive Poetry Writing	Spring 2016
ENGL 100	College Composition and Reading	Spring 2016
ENGL 248UQ	English	Spring 2016
ENGL 248UX	Preparation for Composition, Reading, and Research	Spring 2016
ENGL 267A	Basic Writing	Spring 2016
ENGL 268A	Basic Reading	Spring 2016
ENGL 348A	English	Spring 2016
ESL 206	Spelling 3/Spell/Dictionary	Spring 2016
ESL 248UX	English Through Topics In U.S. Academic Culture	Spring 2016
ESL 256B	Spelling 2: Difficult/Words	Spring 2016
FLANG 48	Selected Topics in Foreign Languages	Spring 2016
FLANG 248	Selected Topics in Foreign Languages	Spring 2016
GEOG 5	Economic Geography	Spring 2016
HIST 43	Berkeley History	Spring 2016
HIST 60A	Prep/Oral History Interview	Spring 2016
HIST 60B	Cond/Oral History Interview	Spring 2016
HIST 60C	Trans/Oral History Interview	Spring 2016

COURSE DEACTIVATIONS

DEPT/NO.	COURSE TITLE	EFF
HUMAN 48UA	Humanity and Violence	Spring 2016
HUMAN 48UB	Personhood and Philosophy in Africa	Spring 2016
LABST 10	American Labor Movement	Spring 2016
LRNRE 248UN	Critical Academic Skills	Spring 2016
LRNRE 248UQ	College Success Skills and Strategies	Spring 2016
LRNRE 257A	Learning Resources	Spring 2016
MATH 248VA	Algebra: Graphs of Linear Equations	Spring 2016
MATH 248VB	Algebra: Operations on Polynomials	Spring 2016
MATH 248VC	Algebra: Factoring Polynomials	Spring 2016
MATH 248VD	Algebra: Rational Expressions and Equations	Spring 2016
MATH 248VE	Algebra: Functions, Graphs, and Lines	Spring 2016
MATH 248VF	Algebra: Systems of Equations	Spring 2016
MATH 248VG	Algebra: Absolute Value Equations and Inequalities	Spring 2016
MATH 248VH	Algebra: Radical Expressions and Equations	Spring 2016
MATH 248VJ	Algebra: Quadratic Equations and Functions	Spring 2016
MATH 248VK	Algebra: Exponential and Logarithmic Functions	Spring 2016
MATH 251	Arithmetic	Spring 2016
MATH 251A	Arithmetic	Spring 2016
MATH 251B	Arithmetic	Spring 2016
MATH 251C	Arithmetic	Spring 2016
MATH 251D	Arithmetic	Spring 2016
MATH 259	Math Workshop (Basic Skills)	Spring 2016
MATH 348A	Selected Topics in Mathematics	Spring 2016
MATH 348UD	Arithmetic: Whole Numbers	Spring 2016
MATH 348UE	Arithmetic: Fractions	Spring 2016
MATH 348UF	Arithmetic: Mixed Numbers	Spring 2016
MATH 348UG	Arithmetic: Decimals	Spring 2016
MATH 348UH	Arithmetic: Ratio and Proportion	Spring 2016
MATH 348UK	Arithmetic: Percents	Spring 2016
MATH 348UL	Arithmetic: Geometry	Spring 2016
MATH 348UM	Arithmetic: Probability and Statistics	Spring 2016
MATH 348UN	Pre-Algebra: Signed Number Operations	Spring 2016
MATH 348UO	Pre-Algebra: Introduction to Algebra	Spring 2016
MMART 101	Writing Basics for Multimedia	Spring 2016
MMART 112	Writing for News and Documentary	Spring 2016
MMART 115	Advanced Storyboarding	Spring 2016
MMART 121	Digital Culture	Spring 2016
MMART 132B	Painter I	Spring 2016
MMART 132LB	Painter I Lab	Spring 2016
MMART 152B	Multimedia Arts	Spring 2016
MMART 160A	Web I: Dreamweaver	Spring 2016
MMART 160B	Web II: Advanced Design Projects	Spring 2016
MMART 160C	Web III: Web Commerce Applications	Spring 2016
MMART 160LA	Web I: Dreamweaver Lab	Spring 2016
MMART 160LB	Web II: Advanced Design Projects Lab	Spring 2016
MMART 160LC	Web III: Web Commerce Applications Lab	Spring 2016

COURSE DEACTIVATIONS

DEPT/NO.	COURSE TITLE	EFF
MMART 161A	Information Architecture I: Interface Design	Spring 2016
MMART 163	Advanced CSS	Spring 2016
MMART 163L	Advanced CSS Lab	Spring 2016
MMART 174A	Flash	Spring 2016
MMART 174LA	Flash Lab	Spring 2016
MMART 175A	Interactive DVD Authoring	Spring 2016
MMART 175LA	Interactive DVD Authoring Lab	Spring 2016
PERS 48UA	Beginning Modern Persian	Spring 2016
PHIL 48UC	Personhood and Philosophy in Africa	Spring 2016
PORT 801	Conversational Portuguese	Spring 2016
SPAN 30A	Beginning Conversational Spanish	Spring 2016
SPAN 30B	Beginning Conversational Spanish	Spring 2016
SPAN 201	Spanish for the Workplace	Spring 2016
SPAN 248UB	Introduction to Spanish Grammar	Spring 2016
THART 48	Selected Topics in Theater Arts	Spring 2016

PROGRAMS

Associate Degree and Certificate Programs at Berkeley City College

The college awards an Associate in Art degree (AA), an Associate in Science degree (AS), a Certificate of Achievement (CA), or a Certificate of Proficiency (CP) in liberal arts, science, occupational fields, or specialized areas of study. The Associate in Arts for transfer (AA-T) and the Associate in Science for transfer (AS-T) are intended for students who plan to complete a Bachelor's degree in a similar major at a CSU campus. BCC Catalog Supplements are issued regularly to update this information.

American Sign Language	AA	CA	
Analytical Chemistry	AS	CA	
Anthropology	AA-T		
Art			
Art		AA	
Art History		AA-T	
Art: Figure Studies			CA
Public Art			CA
Studio Art		AA-T	
Biology	AS-T		
Biotechnology	AS	CA	CP
Business			
Accounting	AA		CP
Business Administration	AS-T		
General Business	AA	CA	
Office Skills for Business		CA	
Communication Studies	AA-T		
Computer Information Systems			
Advanced Computer Programming	AS	CA	CP
Advanced Windows Desktop	AS	CA	CP
Applied Computer Information Systems	AS	CA	CP
Web Programming	AS	CA	CP
Economics	AA-T		
Education			
Elementary Teacher Education	AA-T		
Teacher's Aide		CA	
English	AA-T		
English Language/Writing	AA		
Creative Writing/Fiction		CA	
Creative Writing/Poetry		CA	
Creative Writing/Playwriting and Screenwriting			CP

PROGRAMS

English as a Second Language			
ESL: High Intermediate			CP
ESL: Advanced			CP
Global Studies	AA		
History	AA-T*		
Liberal Arts			
Liberal Arts with Emphasis in Arts and Humanities	AA		
Liberal Arts with Emphasis in Social and Behavioral Sciences	AA		
Liberal Arts: CSU General Education Breadth		CA	
Liberal Arts: Intersegmental General Education Transfer (IGETC)		CA	
Mathematics	AS-T		
Multimedia Arts			
Animation	AA*		
Imaging: Infographic Design and Data Visualization	AA		
Mobile and Web Design	AA		
Video Arts	AA		
Animation Level I		CA	
Animation Level II		CA	
Game Design Level I		CA	
Game Design Level II		CA	
Imaging (Information Graphics & Digital Design)		CA	
Imaging (Photography & Printmaking)		CA	
Mobile and Web Design Level I		CA	
Mobile and Web Design Level II		CA	
Video Arts Level I		CA	
Writing, Directing, and Producing for Multimedia Arts		CA	
Advanced 3D Illustration			CP*
Advanced Animation			CP*
Advanced Cinematography			CP*
Advanced Digital Imaging			CP
Advanced Digital Photography			CP*
Advanced Digital Printmaking			CP
Advanced Digital Video Production			CP*
Advanced Editing			CP*
Advanced Web Design			CP
Basic 3D Illustration			CP*
Basic Animation			CP*
Basic Digital Imaging			CP*
Basic Digital Photography			CP
Basic Digital Printmaking			CP
Basic Editing			CP*
Basic Motion Graphics			CP*
Basic Multimedia			CP*
Basic Web Design			CP

PROGRAMS

Cinematography I			CP*
Cinematography II			CP*
Documentary			CP*
Foundation for Animation			CP*
Foundation for Multimedia			CP*
Foundations of Video			CP*
Intermediate Animation			CP*
Intermediate Digital Imaging			CP
Intermediate Digital Photography			CP
Intermediate Digital Printmaking			CP
Intermediate Editing			CP*
Intermediate Video Production			CP*
Intermediate Web Design			CP
Music Video			CP*
Video Editing			CP*
Video Production			CP*
Writing for Multimedia			CP*
Philosophy	AA-T		
Political Science	AA-T		
Psychology	AA-T*		
Public and Human Services			
Community and Public Services	AA	CA	
Community Health Worker	AA	CA	
Social Services Paraprofessional	AA	CA	
Public and Human Services Overview			CP
Public and Human Services Systems			CP
Sociology	AA-T*		
Spanish	AA-T		
Spanish Language for Heritage Speakers	AA	CA	
Spanish Medical Interpreting		CA*	
Women's Studies			CP

**This program is being offered, but is currently undergoing revision, pending approval from the California Community Colleges Chancellor's Office. Please see a counselor for the most current program requirements.*

PROGRAM ADDITIONS

Biology Program
Biology
Associate in Science for Transfer Degree*
Effective Term: Fall 2016

The Associate of Science Degree for Transfer (AST) in Biology is designed for students who plan to transfer to CSU as biology majors. In this program, they gain exposure to the six main topics of biology (cell, molecular, organismal biology, and evolution and ecology).

Students who successfully complete the AST in Biology earn specific guarantees for transfer to the CSU system: admission to a CSU with junior status, and priority admission to their local CSU campus and to a program or major in biology or a similar major. Students transferring to a CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree.

Students are required to complete 60 semester units or 90 quarter units that are eligible for transfer to a California State University, including the following: (1) The Intersegmental General Education Transfer Curriculum (IGETC for STEM) Breadth Requirements (31 units) and (2) 39 semester units with a grade of C or better in the major or area of emphasis and an overall minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework.

Students are advised to consult with a Berkeley City College counselor for additional information and to verify transfer requirements.

Required Courses:	**Units**
BIOL 1A General Biology	5
BIOL 1B General Biology	5
CHEM 1A General Chemistry	5
CHEM 1B General Chemistry	5
MATH 3A Calculus I	5
PHYS 3A General Physics	5
PHYS 3B General Physics	5
Select one of the following courses:	
CHEM 30B Introductory Organic and Biochemistry	4
MATH 13 Introduction to Statistics	4
Major Requirements	39
General Education	21
Total Units:	**60**

* Please note that students can only take the IGETC for Stem as the GE pattern for this program.

Program Learning Outcomes

Students who complete the program will be able to:

- Demonstrate skills in the scientific methods used in the biological sciences.
- Explain core concepts of biology: chemical makeup of biomolecules and their importance in the structure and function of the cell; functions of organelles, cellular processing, including respiration, photosynthesis, mitosis, meiosis, transcription/translation, and fundamental biological concepts in classical and molecular genetics, and molecular biology; classification, life cycles, physiology, anatomy and development of animals, plants, fungi, protista and prokaryotes.
- Explain the core concepts of evolution and ecology.

PROGRAM ADDITIONS

Chemistry Program
Analytical Chemistry
Associate in Science Degree and Certificate of Achievement*
Effective Term: Spring 2016

Chemistry technicians play very important roles in analytical laboratories in academic, research and industrial institutions. They perform chores such as assisting instructors prepare materials for laboratory classes, assisting researchers collect and analyze scientific data, or gathering data for product quality control in industries. At Berkeley City College we offer an Associate in Science Degree and Certificate of Achievement designed to provide individuals with the analytical skills needed for entry-level employment as laboratory technicians in those institutions. At the same time, the Analytical Chemistry program at BCC also prepares students for transfer to four year colleges or universities. Students have to complete both the minimum requirements and general education requirements to obtain an Associate in Science Degree.

Career Opportunities: Entry level technicians in State and Federal laboratories, academic research laboratories, industrial, pharmaceutical and environmental health laboratories.

Required Courses:	**Units**
CHEM 1A General Chemistry	5
CHEM 1B General Chemistry	5
CHEM 12A Organic Chemistry	5
CHEM 12B Organic Chemistry	5
CHEM 18 Analytical Instrumentation	3
CIS 1 Introduction to Computer Information Systems	4
Select two of the following courses (9-10 units):	
BIOL 1A General Biology	5
BIOL 1B General Biology	5
MATH 3A Calculus I	5
MATH 3B Calculus II	5
MATH 13 Introduction to Statistics	4
PHYS 3A General Physics	5
PHYS 3B General Physics	5
PHYS 4A General Physics with Calculus	5
PHYS 4B General Physics with Calculus	5
Major Requirements	36- 37
General Education and Electives	23- 24
Total Units:	**60**

*For the Certificate of Achievement, students must complete the 36- 37 units of Core courses. For the Associate Degree, students must complete the 36- 37 units of Core courses plus 23- 24 units of General Education requirements and elective courses.

Program Learning Outcomes

Students who complete the program will be able to:

- Demonstrate an understanding of and ability to follow protocols and use of standard and analytical equipment, materials, and techniques employed in general, organic and analytical chemistry laboratory.
- Demonstrate the ability to perform basic calculations related to preparation of solutions and quantitative and qualitative analyses commonly used in experiments in chemistry.
- Demonstrate the ability to work individually or with a team on any assignments.

PROGRAM ADDITIONS

Multimedia Arts Program
Game Design Level I
Certificate of Achievement
Effective Term: Fall 2016

The Multimedia Arts Certificates of Achievement in Game Design are available at Level I and Level II. Students who have little background in game design are encouraged to complete Level I prior to the Level II Certificate of Achievement. The Game Design Level I Certificate of Achievement provides introductory technical training in game design and programming techniques, allowing students to prepare for positions in the industry such as pre-visualization and game testing.

Career Opportunities: Pre-visualization, game testing, technical artist.

Required Courses:	**Units**
CIS 6 Introduction to Computer Programming	5
MMART 168/168L Online Games & Interactivity & Lab	3
MMART 175B Game Design	3
MMART 179 Animation Layout and Visual Development	3
MMART 182 Scripting and Programming for Computer Graphics	3
MMART 191 3D Modeling for Animation & Game Design	3
Total Units:	**20**

Program Learning Outcomes
Students who complete the program will be able to:

- Demonstrate entry level skills in level design through the completion of individual and team projects.
- Apply basic programming concepts as they relate to computer graphics.
- Create an interactive game in either a 2D or 3D environment.

PROGRAM ADDITIONS

Multimedia Arts Program
Game Design Level II
Certificate of Achievement
Effective Term: Fall 2016

The Multimedia Arts Certificates of Achievement in Game Design are available at Level I and Level II. Students who have little background in game design are encouraged to complete Level I prior to Level II. The Game Design Level II Certificate of Achievement provides comprehensive technical training in game design, prototyping, and programming techniques, allowing students to prepare for entry level positions in various fields of Game, Medical Visualization and Simulation industries as level designers, technical artists, and production assistants.

Career Opportunities: Entry level positions in various fields of Game, Medical Visualization and Simulation industries as level designers, technical artists, and production assistants.

Required Courses:	**Units**
CIS 23 C# Programming	4
MMART 109 Writing for the Business of Multimedia	3
Or	
BUS 54 Small Business Management	3
MMART 193 Game Design Level Development	3
MMART 197/197L Multimedia Portfolio/Sample Reel Development & Lab	3
Select 5 - 7 units from the following:	
BUS 102 Social Networking Tools for Job Searches	1
CIS 36A Java Programming Language I	4
MMART 148B/148LB Sound for Film & Animation & Lab	3
MMART 167/167L Mobile and Cross Platform Web Design & Lab	3
MMART 170/170L Virtual Reality and Digital Spaces & Lab	3
MMART 186/186L Introduction to 2D Digital Animation & Lab	3
MMART 188 Introduction to 3D Animation I	3
MMART 189 Introduction to 3D Character Animation	3
MMART 192 3D Rigging for Animation and Game Design	3
Total Units:	**18 - 20**

Program Learning Outcomes
Students who complete the program will be able to:

- Demonstrate entry level skills in game design through the completion of individual and team interactive game projects.
- Apply basic programming concepts as they relate to computer graphics.
- Obtain information related to the profession using traditional and electronic sources. Synthesize the information into a business report.

PROGRAM REACTIVATIONS

Multimedia Arts Program
Animation Level I
Certificate of Achievement
Effective Term: Fall 2016

The Multimedia Arts Certificates of Achievement in Animation are available at Level I and Level II. The Animation Certificates of Achievement are a comprehensive study of 2D and 3D animation techniques, allowing students to choose from a range of 2D and 3D courses in order to prepare for an entry level position in the industry.

Career Opportunities: Entry level positions in various fields of Animation, Game, Medical Visualization and Simulation as Animators, 3D modelers and pre-visualization artists.

Required Courses:	**Units**
MMART 116 Storytelling in Animation	3
MMART 177/177L Introduction to Animation Principles & Lab	3
MMART 188 Introduction to 3D Animation I	3
Select 12 units from the following:	
MMART 131A/131LA Photoshop I & Lab	3
MMART 178/178L Drawing for Animation & Lab	3
MMART 179 Animation Layout and Visual Development	3
MMART 180/180L Animation Special Effects & Lab	3
MMART 182 Scripting and Programming for Computer Graphics	3
MMART 186/186L Introduction to 2D Digital Animation & Lab	3
MMART 187/187L Animation Practices I & Lab	3
MMART 191 3D Modeling for Animation & Game Design	3
Total Units:	**21**

Program Learning Outcomes
Students who complete the program will be able to:

- Demonstrate entry level skills in Animation through the completion of individual and team projects.
- Describe, plan and evaluate design principles, aesthetic forms and historical context of animated works.
- Create shorts utilizing 2D/3D techniques.

PROGRAM REACTIVATIONS

Multimedia Arts Program
Animation Level II
Certificate of Achievement
Effective Term: Fall 2016

The Multimedia Arts Certificates of Achievement in Animation are available at Level I and Level II. The Animation Certificates of Achievement are a comprehensive study of 2D and 3D animation techniques, allowing students to choose from a range of 2D and 3D courses in order to prepare for an entry level position in the industry.

Career Opportunities: Entry level positions in various fields of animation, game, medical visualization and simulation such as animation, concept arts, production assistance, 3D modeling, pre-visualization arts, 3D rigging, and computer graphics.

Required Courses:	**Units**
BUS 54 Small Business Management	3
Or	
MMART 109 Writing for the Business of Multimedia	3
MMART 148B/148LB Sound for Film & Animation & Lab	3
MMART 194 2D/3D Animation Production	3
MMART 197/197L Multimedia Portfolio/Sample Reel Development & Lab	3
Select 6 units from the following:	
BUS 102 Social Networking Tools for Job Searches	1
CIS 6 Introduction to Computer Programming	5
MMART 152A/152LA Motion Graphics/After Effects I & Lab	3
MMART 152B/152LB Motion Graphics / After Effects II & Lab	3
MMART 175B Game Design	3
MMART 181/181L Experimental Animation & Lab	3
MMART 185A/185LA 3-D Illustration / Cinema 4D I & Lab	3
MMART 185B/185LB 3-D Illustration / Cinema 4D II & Lab	3
MMART 189Introduction to 3D Character Animation	3
MMART 192 3D Rigging for Animation and Game Design	3
Total Units:	**18**

Program Learning Outcomes
Students who complete the program will be able to:

- Demonstrate entry level skills in animation through the completion of individual and team projects.
- Analyze, document, plan and evaluate a budget for a short production.
- Collaborate within a diverse team environment.

PROGRAM REACTIVATIONS

Multimedia Arts Program
Imaging: Information Graphics and Digital Design
Certificate of Achievement
Effective Term: Spring 2016

There are two Multimedia Arts Certificates of Achievement in Imaging, one in Photography and Printmaking, and another in Information Graphics and Digital Design. The Certificate of Achievement Imaging (Information Graphics & Digital Design) provides skills in artistic digital design, information theory, data analysis and processing, information graphics design, interactive media, user experience testing, and an iteratively appraising graphical quality and content with an emphasis on flexibility for media output display.

Career Opportunities: Technical publication editing, data visualization and analysis, information graphic design, new media marketing, medical visualization.

Required Courses:	**Units**
MMART 114/114L Data Design for Digital Media & Lab	3
MMART 165/165L Fundamentals of Graphic Visualization & Lab	3
MMART 166/166L User Experience and Interface Design & Lab	3
MMART 168/168L Online Games & Interactivity & Lab	3
MMART 228C Intro to InDesign Desktop Publishing	2
Select 6 units from the following:	
MMART 171/171L Web Commerce & Internet Start Up & Lab	3
MMART 196A/196LA Art Marketing and Portfolio Management & Lab	3
MMART 197/197L Multimedia Portfolio/Sample Reel Development & Lab	3
Total Units:	**20**

Program Learning Outcomes
Students who complete the program will be able to:

- Create an information graphic, using basic data assessment methods.
- Generate interactive data graphics and visualizations, using design, analytics, and presentation skills.
- Establish professional identity with project presentation skills.

PROGRAM REACTIVATIONS

Multimedia Arts Program
Imaging: Photography and Printmaking
Certificate of Achievement
Effective Term: Spring 2016

There are two Multimedia Arts Certificates of Achievement in Imaging, one in Photography and Printmaking, and another in Information Graphics and Digital Design. The Certificate of Achievement in Imaging (Photography & Printmaking) provides skills in photography, studio production, professional image editing, various print media, design aesthetics, and professional imaging presentation skills.

Career Opportunities: Studio photography, pre-processing, digital marketing, digital design, advertising, pre-press and press production, and independent printmaking.

Required Courses:	**Units**
MMART 131A/131LA Photoshop I & Lab	3
MMART 132A/132LA Illustrator I & Lab	3
MMART 133A/133LA Digital Photography I & Lab	3
MMART 134A/134LA Digital Printmaking I & Lab	3
MMART 135A/135LA Advanced Practices for Digital Printmaking I & Lab	3
MMART 137A/137LA Applications of Large Scale Print I & Lab	3
Total Units:	**18**

Program Learning Outcomes
Students who complete the program will be able to:

- Create a suite of related photographic prints in a studio environment.
- Generate a portfolio of photographic or other print-related images and learn a critique method for iterative design.
- Express professional identity with project presentation skills.

PROGRAM REACTIVATIONS

Multimedia Arts Program
Mobile and Web Design Level I
Certificate of Achievement
Effective Term: Spring 2016

The Multimedia Arts Certificates of Achievement in Mobile and Web are available at Level I and Level II. The Level I Certificate of Achievement in Mobile and Web provides foundational skills in mobile design, web design, UI/UX design, interactive design, aesthetic visualization, project collaboration, and server-side web management. It emphasizes team-building skills, integration with software platforms, interactive applications, modular design, mobile and web frameworks.

Career Opportunities: UI/UX design, social media strategy, digital marketing, interactive design, and front end web design.

Required Courses:	**Units**
MMART 141A Video Production I	3
MMART 164/164L Introduction to Web Design & Lab	3
MMART 165/165L Fundamentals of Graphic Visualization & Lab	3
MMART 166/166L User Experience and Interface Design & Lab	3
MMART 167/167L Mobile and Cross-Platform Web Design & Lab	3
MMART 168/168L Online Games & Interactivity & Lab	3
Total Units:	**18**

Program Learning Outcomes
Students who complete the program will be able to:

- Assess current trends in mobile + web design, and formulate an online presence.
- Produce original graphic designs employing both traditional-manual skills and computer skills.
- Express identity with project visualizations.

PROGRAM REACTIVATIONS

Multimedia Arts Program
Mobile and Web Design Level II
Certificate of Achievement
Effective Term: Spring 2016

The Multimedia Arts Certificates of Achievement in Mobile and Web are available at Level I and Level II. The Level II Certificate of Achievement in Mobile and Web provide information and practice with advanced techniques in mobile, interactive, and web design. Advanced skills attributed to a front-end web and mobile developer, client-side management, and professional work environments.

Career Opportunities: Mobile design, responsive web design, interactive design, front end web design, game design, digital marketing, software engineering, creative technology, virtual reality design, and social media strategy.

Required Courses:	**Units**
MMART 114/114L Data Design for Digital Media & Lab	3
MMART 162/162L Contemporary Scripting for Games, Mobile and Web & Lab	3
MMART 169/169L Social & Emergent Media & Lab	3
MMART 170/170L Virtual Reality and Digital Spaces & Lab	3
MMART 171/171L Web Commerce & Internet Start Up & Lab	3
Select 3-5 units from the following:	
ART 46 2-D Visual Design	3
CIS 6 Introduction to Computer Programming	5
MMART 120 Media and Communications	3
MMART 175B Game Design	3
Total Units:	**18 – 20**

Program Learning Outcomes
Students who complete the program will be able to:

- Construct web design projects, demonstrating proof of concept.
- Work alone or in a team to create, develop and present storyboards, written proposals and sophisticated websites for client/organization.
- Analyze contemporary avenues for social media discourse and presentation.
- Appraise peer work in relation to the project goals.

PROGRAM REACTIVATIONS

Multimedia Arts Program
Video Arts Level I
Certificate of Achievement
Effective Term: Spring 2016

The Level I Certificate of Achievement in Video Arts provides technical training in professional video production and use of equipment, as well as post-production practices and software, with an emphasis on establishing effective communication skills in a highly collaborative industry.

Career Opportunities: Video production, post-production, corporate and independent media organizations, audio recording, cinematography.

Required Courses:	**Units**
MMART 148A/148LA Sound Recording and Editing & Lab	3
MMART 150A/150LA Video Editing I & Lab	3
MMART 197/197L Multimedia Portfolio/Sample Reel Development & Lab	3
Select 9 units from the following:	
MMART 141B Video Production II: Directing & Producing	3
MMART 142 Visual Storytelling & Cinematography	3
MMART 148B/148LB Sound for Film & Animation & Lab	3
MMART 150B/150LB Video Editing II & Lab	3
MMART 150C/150LC Video Editing III & Lab	3
MMART 156 Documentary Production Intensive	3
MMART 195A Special Project: Digital Arts Festival Organization	3
Total Units:	**18**

Program Learning Outcomes
Students who complete the program will be able to:

- Demonstrate technical knowledge by satisfactory completion of video and audio content.
- Analyze the various components of video and audio to better understand its psychological and emotional impact.
- Display appropriate professional and collegiate behavior within a team.

PROGRAM MODIFICATIONS

Art Program
Art
Associate in Arts Degree
Effective Term: Spring 2016

The Art Department offers both an Associate in Arts Degree and Certificates of Achievement programs. Various required and elective courses focus on individual creative development and provide a broad range of classroom and studio experiences. Art courses fulfill requirements for transfer or prepare students for careers requiring competency in visual media.

Career Opportunities: Art courses fulfill requirements for transfer or prepare you for careers requiring competency in visual media.

Required Courses:	**Units**
ART 18 Critique and the Creative Process	3
ART 20 Beginning Drawing & Composition	3
ART 22 Intermediate Drawing & Composition	3
ART 25 Beginning Figure Drawing & Composition	2
ART 26 Continuing Figure Drawing & Composition	2
ART 50 Beginning Painting	3
Select 3 units from the following:	
ART 1 Introduction to Art History	3
ART 2 History of Western Art from Prehistory through the Middle Ages	3
ART 3 History of Western Art from Renaissance to Contemporary Art	3
ART 4 History of Modern Art (1800 to Present)	3
ART 13 History of Women in Art (19th & 20th Centuries)	3
ART 16 Introduction to Islamic Art	3
ART 182 Or HUMAN 182 Introduction to Visual Culture	3
Select 6 units from the following:	
ART 24 Special Projects: Drawing	2
ART 29 Special Projects: Figure Drawing	2
ART 30 Beginning Figure Drawing: Anatomy	2
ART 31 Continuing Figure Drawing: Anatomy	2
ART 46 2-D Visual Design	3
ART 47 3-D Visual Design	3
ART 52 Intermediate Painting	3
ART 54 Special Projects: Painting	2
ART 119 Figure Painting in Context	3
ART 133A Mural Design and Creation I	3
ART 133B Mural Design and Creation II	4
ART 175 Studio Art Laboratory	1
ART 181 Artist as Citizen: Community-Based Art Practices	3
Major Requirements	25
General Education and Electives	35
Total Units:	**60**

Program Learning Outcomes

Students who complete the program will be able to:

- Communicate and problem-solve in at least two media.
- Write a visual analysis/ critique of their own and others' art based on both form and content, and its relation to a global context.
- Recall and summarize key movements in the history of art and contemporary art on a global scale and understand and articulate how this legacy influences their artwork.
- Assemble a portfolio of strong artwork which collectively demonstrates skill, understanding of techniques in a given medium, originality, thoughtfulness, and personal expression.

Art Major (AA)

PROGRAM MODIFICATIONS

Art Program
Art: Figure Studies
Certificate of Achievement
Effective Term: Spring 2016

Berkeley City College's Art: Figure Studies Certificate of Achievement provides students with a strong foundation in both traditional and contemporary approaches to the figure. Students who complete the Certificate of Achievement in Art: Figure Studies can obtain entry-level jobs in Illustration, Multimedia, Gaming, Mobile Technology and other industries that rely on creating and rendering the figure.

Required Courses:	**Units**
ART 20 Beginning Drawing & Composition	3
ART 25 Beginning Figure Drawing & Composition	2
ART 29 Special Projects: Figure Drawing	2
ART 30 Beginning Figure Drawing: Anatomy	2
ART 119 Figure Painting in Context	3
MMART 178/178L Drawing for Animation & Lab	3
Select one course from the following art history electives:	
ART 1 Introduction to Art History	3
ART 2 History of Western Art from Prehistory through the Middle Ages	3
ART 3 History of Western Art from Renaissance to Contemporary Art	3
ART 4 History of Modern Art (1800 to Present)	3
ART 13 History of Women in Art (19th & 20th Centuries)	3
ART 182 Or HUMAN 182 Introduction to Visual Culture	3
Select 4 - 5 units from the following studio art electives:	
ART 18 Critique and the Creative Process	3
ART 24 Special Projects: Drawing	2
ART 31 Continuing Figure Drawing: Anatomy	2
ART 54 Special Projects: Painting	2
ART 133A Mural Design and Creation I	3
ART 133B Mural Design and Creation II	4
ART 175 Studio Art Laboratory	1
MMART 131A/131LA Photoshop I & Lab	3
Total Units:	**22 - 23**

Program Learning Outcomes
Students who complete the program will be able to:

- Assemble a portfolio of strong drawings, painting, sculptures or digital media featuring the human figure that demonstrate skill and understanding of techniques in various media.
- Assemble a portfolio of strong drawings, painting, sculptures or digital media featuring the human figure that combine personal style and technical skills to create a provocative, insightful, and inventive composition that integrates the figure with its environment.
- Produce drawings in various media reflecting an understanding of anatomical function, surface depiction, skeletal and muscle attachments, proportion and physicality particular to the human form.
- Write a visual analysis/ critique of their own and others' art of the figure based on both form and content, and its relation to a historical and global context.

PROGRAM MODIFICATIONS

Art Program
Public Art
Certificate of Achievement
Effective Term: Spring 2016

Berkeley City College's Public Art Certificate of Achievement prepares students to participate in local, national and international arenas of public art, for which working with clients and community are a critical part. The True Colors Mural Program at BCC is the cornerstone for the certificate. The program, in collaboration with Earth Island Institute, supports the development of young artist activists for the improvement of the urban environment through the creation of public murals. The purpose of the murals is to both educate urban dwellers and beautify the urban environment with messages and images that support ecological sustainability, conservation and restoration. With a fully implemented Public Art Certificate Program, students will have a range of course offerings that are both theory and practice based. They will graduate with skills in the technical areas of mural design and creation, public installation and performance, and public art administration and management. Students will be fully prepared to pursue a professional career at any four year college or university in any of these areas.

Required Courses:	**Units**
ART 20 Beginning Drawing & Composition	3
ART 50 Beginning Painting	3
ART 133A Mural Design and Creation I	3
ART 133B Mural Design and Creation II	4
ART 181 Artist as Citizen: Community-Based Art Practices	3
Required Art History Electives (select 3 units from the following):	
ART 1 Introduction to Art History	3
ART 4 History of Modern Art (1800 to Present)	3
ART 13 History of Women in Art (19th & 20th Centuries)	3
ART 14 Themes, Trends, and Traditions in World Art	3
ART 16 Introduction to Islamic Art	3
ART 182 Or HUMAN 182 Introduction to Visual Culture	3
Studio Art Electives (select 2 - 3 units from the following):	
ART 18 Critique and the Creative Process	3
ART 47 3-D Visual Design	3
ART 175 Studio Art Laboratory	1
MMART 196A/196LA Art Marketing and Portfolio Management & Lab	3
Total Units:	**21 - 22**

Program Learning Outcomes

Students who complete the program will be able to:

- Produce and present works of public art which reflect collaboration with peers and the public and address critical issues identified by local organizations.
- Research the history, problems and needs of their community using interviews, written, drawn and photographed observations, and collected source materials, and develop a visual project proposal applying this information.
- Produce written works regarding the public art process, including visual analysis/ critique of their own and others' public art based on both form and content, and its relation to a historical and global context.
- Produce written works regarding the public art process, including press releases and other forms of journalistic documentation for the development of their respective artistic voices, and for the public education and promotion of artworks.

Art Major: Public Art (Certificate of Achievement)

PROGRAM MODIFICATIONS

Biotechnology Program
Biotechnology
Associate in Science Degree and Certificate of Achievement*
Effective Term: Spring 2016

Biotechnology draws from many disciplines including genetics, biochemistry, and molecular biology. Recent advances in biotechnology have resulted in the development of products that are having a positive impact on our health, food, and environment. Berkeley City College's program, which integrates academic and occupational instruction, prepares you for entry-level employment as a bioscience technician in this exciting field. When you finish the two-year program in biotechnology, you will earn either an Associate in Science degree or a Certificate of Achievement.

Career Opportunities: State and Federal laboratories, academic research laboratories, public and private laboratories, pharmaceutical and biotechnology industries.

Required Courses:	**Units**
BIOL 3 Microbiology	5
BIOL 10 Introduction to Biology **	4
BIOL 32 Scientific Literature	2
BIOL 33 Applied Immunology	6
BIOL 34 Molecular Genetics	6
BIOL 50A Introduction to Biotechnology: Techniques and Methods	3
BIOL 50B Protein Chemistry and Fermentation	3
CHEM 30A Introductory General Chemistry **	4
CHEM 30B Introductory Organic and Biochemistry **	4
CIS 200 Computer Concepts & Applications **	1.5
ENGL 1A Composition and Reading	4
HUMAN 30A Or PHIL 31A Human Values/Ethics	3
MATH 1 Pre-Calculus **	4
PHYS 10 Introduction to Physics **	4
Major Requirements	53.5
General Education and Electives:	6.5
Total Units:	**60**

*For the Certificate of Achievement, students must complete the 53.5 units of Core courses. For the Associate Degree, students must complete the 53.5 units of Core courses plus 6.5 units of General Education requirements and elective courses.
**You may substitute higher level courses in biology, chemistry, mathematics, and physics.

Program Learning Outcomes
Students who complete the program will be able to:

- Demonstrate a facility with laboratory mathematics, an ability to follow scientific protocols, operate standard equipment, handle hazardous materials, work aseptically and make solutions.
- Demonstrate ability to understand and interpret scientific research papers, use scientific databases, construct scientific research papers and use presentation software.
- Demonstrate an ability to select appropriate laboratory tools and experimental materials to conduct experiments, interpret and analyze results, trouble shoot and maintain lab manuals.
- Demonstrate ability to conduct scientific work as a member of a team and alone.
- Demonstrate general knowledge of the ethical issues and key concepts in the fields of general biology, microbiology, immunology, molecular genetics and protein chemistry.

Biotechnology Major (AS and Certificate of Achievement)

PROGRAM MODIFICATIONS

Computer Information Systems Program
Advanced Computer Programming
Certificate of Proficiency
Effective Term: Spring 2016

In this program, students will learn how to write object-oriented programs using Java and C# programming languages. The courses cover the necessary skills for all computer programming career opportunities. This Certificate of Proficiency prepares students for the Certificate of Achievement in Web Programming.

Career Opportunities: Entry-level computer programmer, web developer.

Required Courses:	**Units**
CIS 6 Introduction to Computer Programming	5
CIS 23 C# Programming	4
CIS 36A Java Programming Language I	4
CIS 36B Java Programming Language II	4
Total Units:	**17**

Program Learning Outcomes
Students who complete the program will be able to:

- Solve problems using object-oriented decomposition and write programs using C++, Java, and C# programming languages.
- Use IDEs to write, compile, debug, and execute programs.
- Use advanced programming concepts including threads, networking, databases, and graphical user interfaces.

PROGRAM MODIFICATIONS

Computer Information Systems Program
Advanced Windows Desktop
Associate in Science Degree & Certificate of Achievement*
Effective Term: Spring 2016

This program will help students advance their careers in IT Desktop Administration and serve as technical resources at work. They will master Microsoft Windows operating systems, networking concepts, and security, and learn to make computers safe, reliable, and efficient at work and home.

Career Opportunities: IT Specialist/Coordinator, Senior Support Technician, Network Administrator/Coordinator, Systems Administrator I.

Required Courses:	**Units**
CIS 5 Introduction to Computer Science	5
CIS 6 Introduction to Computer Programming	5
CIS 86 Windows Operating Systems	4
CIS 87 Window Server Administration Fundamentals	4
CIS 89 Networking Fundamentals	4
CIS 90 Security Fundamentals	4
CIS 91 Configuring and Supporting a Windows Enterprise System	4
CIS 92 Fundamentals of Linux	4
Major Requirements	34
General Education and Electives	26
Total Units:	**60**

*For the Certificate of Achievement, students must complete the 34 units of Core courses. For the Associate Degree, students must complete the 34 units of Core courses plus 26 units of General Education requirements and elective courses.

Program Learning Outcomes
Students who complete the program will be able to:

- Implement operating system configuration, install and upgrade desktop operating systems.
- Manage applications, files and folders, devices, and server performance.
- Understand Network infrastructure, hardware, protocols, and services.
- Understand core security principles and threats, install security software, and manage operating system security and network security.

PROGRAM MODIFICATIONS

Computer Information Systems Program
Advanced Windows Desktop
Certificate of Proficiency
Effective Term: Spring 2016

This certificate provides the skills students need to master Microsoft Windows operating systems and networking concepts. Students will learn many useful techniques that will make your computers safe, reliable, and function efficiently.

Career Opportunities: Desktop Support Technician, Help Desk Technician, Entry-Level IT Assistant, Computer Support Specialist, Technical Support Level I.

Required Courses:	**Units**
CIS 86 Windows Operating Systems	4
CIS 87 Window Server Administration Fundamentals	4
CIS 89 Networking Fundamentals	4
CIS 90 Security Fundamentals	4
Total Units:	**16**

Program Learning Outcomes
Students who complete the program will be able to:

- Understand operating system configuration, install and upgrade desktop operating systems.
- Manage applications, files and folders, hardware devices, services, and protocols.
- Understand core security principles and threats, install security software, and manage operating system security and network security.

PROGRAM MODIFICATIONS

Computer Information Systems Program
Applied Computer Information Systems
Certificate of Proficiency
Effective Term: Spring 2016

In this program, students will develop in-demand computer skills that lead to jobs or increase their productivity and efficiency and prepare for career advancement. They will understand computer hardware and software in order to use computers effectively at work and home. This certificate teaches them the skills they need to be proficient users of computers.

Career Opportunities: Entry-level office jobs.

Required Courses:	**Units**
CIS 1 Introduction to Computer Information Systems	4
CIS 42A Spreadsheet Applications I	2
CIS 42B Spreadsheet Applications II	2
CIS 231A Advanced Laboratory Projects in Word	1
CIS 245A Introduction to Microsoft Access I	2
CIS 246 Introduction to PowerPoint	1.5
Additional required courses:	
CIS 231B Advanced Laboratory Projects in Outlook	1
And	
CIS 245B Introduction to Microsoft Access II	2
Or	
MMART 131A/131LA Photoshop I & Lab	3
Or	
MMART 132A/132LA Illustrator I & Lab	3
Total Units:	**15.5**

Program Learning Outcomes
Students who complete the program will be able to:

- Demonstrate knowledge of computer terminology and trends in Computer Information Systems.
- Demonstrate knowledge of computer hardware and software and use computers effectively at work and home.
- Demonstrate proficiency in using office productivity applications for work in entry-level employment.

PROGRAM MODIFICATIONS

Computer Information Systems Program
Web Programming
Certificate of Proficiency
Effective Term: Spring 2016

In this program, students will learn how to make their web pages interactive and dynamic and the client-side scripting languages and programing skills needed to be a Web Developer or Software Programmer for the web. This Certificate of Proficiency prepares students for the Certificate of Achievement in Web Programming. Before entering the program, students should have a solid computer literacy background, such as that provided by CIS 1, CIS 5, or CIS 42A/B or the equivalents.

Career Opportunities: Web-Developer, Front-End Developer, HTML Developer.

Required Courses:	**Units**
CIS 6 Introduction to Computer Programming	5
CIS 84 Database Programming for the Web	4
CIS 103 Survey of Program/Languages for the Web--Continuation	4
CIS 104 Survey of Programming Languages for the Web	3
Total Units:	**16**

Program Learning Outcomes
Students who complete the program will be able to:

- Apply the fundamentals of programming.
- Use HTML5, CSS, and JavaScript for front-end web development.

PROGRAM MODIFICATIONS

English Program
Creative Writing/Fiction
Certificate of Achievement
Effective Term: Spring 2016

Students who complete the Certificate of Achievement in Creative Writing/Fiction learn expressive and linguistic skills that apply to writing of fiction as well as other types of writing, including fiction, non-fiction, and professional prose.

Required Courses:	**Units**
ENGL 10A Creative Writing	3
Or	
ENGL 70A Transforming Autobiography into Creative Writing	3
ENGL 71A Introduction to Fiction Writing	3
ENGL 72A Intermediate Fiction Writing	3
ENGL 73A Intensive Fiction Writing	3
ENGL 74 Fiction: Special Projects	3
Literature electives--Select 6 - 8 units from the following:	
ENGL 17A Or ENGL 17B Shakespeare	3
ENGL 47 Children's Literature	3
ENGL 85A Literature in English Through Milton	4
ENGL 85B Literature in English: Late 17th Through Mid-19th Century	4
ENGL 85C Literature in English: Mid-19th Through the 20th Century	4
Writing electives--Select 3 units from the following:	
ENGL 10B Creative Writing	3
ENGL 14 Non-Fiction Writing	3
ENGL 15 Non-Fiction: Special Projects	3
ENGL 70B Transforming Autobiography into Creative Writing	3
ENGL 86 Introduction to Playwriting and Screenwriting	3
ENGL 87 Intermediate Playwriting and Screenwriting	3
ENGL 91A Introduction to Poetry Writing	3
ENGL 92A Intermediate Poetry Writing	3
Total Units:	**24 - 26**

Program Learning Outcomes
Students who complete the program will be able to:

- Write a piece of fiction with strong character development, plot, conflict, and dialogue, using original language.
- Write a novella or short story collection with strong character development, plot, conflict, and dialogue, using original language.
- Research venues for publication or public presentation of work.

PROGRAM MODIFICATIONS

English Program
Creative Writing/Poetry
Certificate of Achievement
Effective Term: Spring 2016

Students who complete the Certificate of Achievement in Creative Writing/Poetry learn expressive and linguistic skills that apply to writing of poetry as well as other types of writing, including fiction, non-fiction, and professional prose.

Required Courses:	**Units**
ENGL 10A Creative Writing	3
Or	
ENGL 70A Transforming Autobiography into Creative Writing	3
ENGL 91A Introduction to Poetry Writing	3
ENGL 92A Intermediate Poetry Writing	3
ENGL 93A Intensive Poetry Writing	3
ENGL 94 Poetry: Special Projects	3
Literature electives—Select 6 - 8 units from the following:	
ENGL 17A Or ENGL 17B Shakespeare	3
ENGL 47 Children's Literature	3
ENGL 85A Literature in English Through Milton	4
ENGL 85B Literature in English: Late 17th through Mid-19th Century	4
ENGL 85C Literature in English: Mid 19th through the 20th Century	4
Writing electives—Select 3 units from the following:	
ENGL 10B Creative Writing	3
ENGL 70B Transforming Autobiography into Creative Writing	3
ENGL 71A Introduction to Fiction Writing	3
ENGL 72A Intermediate Fiction Writing	3
ENGL 86 Introduction to Playwriting and Screenwriting	3
ENGL 87 Intermediate Playwriting and Screenwriting	3
Total Units:	**24 - 26**

Program Learning Outcomes
Students who complete the program will be able to:

- Write a poem with strong use of voice, imagery, and poetic conventions of form and sound, using original language.
- Write a well sequenced collection of poetry of at least 24 pages, with strong use of voice, imagery, and poetic conventions of form and sound, using original language.
- Research venues for publication or public presentation of work.

PROGRAM MODIFICATIONS

English Program
English Language/Writing
Associate in Arts Degree
Effective Term: Spring 2016

The Berkeley City College A.A. in English Language/Writing serves students with diverse goals, including transfer and development of strong skills in creative and/or expository writing. This degree prepares students for transfer, leading to careers in education, law, business, and all fields in which analysis and communication are valued.

Required Courses:	**Units**
ENGL 1A Composition and Reading	4
ENGL 1B Composition and Reading	4
Literature Electives — Select 3 - 4 units from the following:	
ENGL 17A Or ENGL 17B Shakespeare	3
ENGL 47 Children's Literature	3
ENGL 50 Multicultural American Literature	3
ENGL 85A Literature in English Through Milton	4
ENGL 85B Literature in English: Late 17th Through Mid-19th Century	4
ENGL 85C Literature in English: Mid-19th Through the 20th Century	4
Writing Electives — Select 12 units from the following:	
ENGL 5 Critical Thinking in Reading and Writing	3
ENGL 10A Or ENGL 10B Creative Writing	3
ENGL 14 Non-Fiction Writing	3
ENGL 15 Non-Fiction: Special Projects	3
ENGL 70A Or ENGL 70B Transforming Autobiography into Creative Writing	3
ENGL 71A Introduction to Fiction Writing	3
ENGL 72A Intermediate Fiction Writing	3
ENGL 73A Intensive Fiction Writing	3
ENGL 74 Fiction: Special Projects	3
ENGL 86 Introduction to Playwriting and Screenwriting	3
ENGL 87 Intermediate to Playwriting and Screenwriting	3
ENGL 88 Intensive Playwriting and Screenwriting	3
ENGL 89 Playwriting and Screenwriting: Special Projects	3
ENGL 91A Introduction to Poetry Writing	3
ENGL 92A Intermediate Poetry Writing	3
ENGL 93A Intensive Poetry Writing	3
ENGL 94 Poetry: Special Projects	3
Major Requirements	23 - 24
General Education and Electives	36 - 37
Total Units:	**60**

Program Learning Outcomes

Students who complete the program will be able to:

- Write well organized, well developed, effective, well edited, logically sound, and clear essays.
- Write effective, well edited, well organized research papers of 3,000-5,000 words which apply appropriate and clear organizational strategies.
- Apply active reading strategies in order to identify main ideas and critically analyze and explain ideas in texts.
- Apply writing strategies in a variety of genres, considering audience, context, purpose, and genre-specific conventions.

English Major: English Language/Writing (AA)

PROGRAM MODIFICATIONS

Global Studies Program
Global Studies
Associate in Arts Degree
Effective Term: Spring 2016

The Global Studies Program challenges you to examine history as well as the current process of globalization and socioeconomic stratification. The program offers an interdisciplinary, limited cohort model, with Global Studies core courses linked to major requirements from other disciplines. A range of electives will give you a deeper understanding of how one key area of the globe impacts the rest of the world. The program also offers hands-on experience through service learning modules. The program helps to prepare you for transfer to UC, CSU, and other four-year institutions in Global or International Studies, Peace and Conflict Studies.

Required Courses:	**Units**
ART 182 Introductions to Visual Culture	3
ENGL 1A Composition and Reading	4
ENGL 1B Composition & Reading	4
ENGL 5 Critical Thinking in Reading and Writing	3
HIST 7B History of the United States	3
HIST 23 Global Perspectives	3
PHIL 1 Introduction to Philosophy	3
POSCI 20 Current World Problems	3
Foreign Language Requirement: Select two courses for 10 units from the following: (ARAB 1A&1B), (FRENCH 1A&1B), (PORT 1A&1B), (SPAN 1A&1B), or (SPAN 22A&22B).	
ARAB 1A Elementary Modern Standard Arabic	5
ARAB 1B Elementary Modern Standard Arabic	5
FREN 1A Elementary French	5
FREN 1B Elementary French	5
PORT 1A Elementary Portuguese	5
PORT 1B Elementary Portuguese	5
SPAN 1A Elementary Spanish I	5
SPAN 1B Elementary Spanish II	5
SPAN 22A Spanish for Bilingual Speakers I	5
SPAN 22B Spanish for Bilingual Speakers II	5
Select 3 units from the following electives:	
ANTHR 3 Introduction to Social and Cultural Anthropology	3
GEOG 1 Physical Geography	3
HIST 3A World History to 1500	3
POSCI 3 International Relations	3
Major Requirements	39
General Education and Electives	21
Total Units:	**60**

Program Learning Outcomes

Students who complete the program will be able to:

- Analyze how/why the solutions to world problems demand responsibility and participation at both the local and the global level.
- Describe the economic, political, social and environmental interdependence among the world's peoples, nations, and regions of the world.
- Explain the diverse history, traditions, and practices that have led to a multiplicity of perspectives in different world societies.

Global Studies Major (AA)

PROGRAM MODIFICATIONS

Liberal Arts Program
Liberal Arts with an Emphasis in Social and Behavioral Sciences
Associate in Arts Degree
Effective Term: Spring 2016

The A.A. in Liberal Arts with an emphasis in Social and Behavioral Sciences provides students with a broad perspective on human behavior. It is designed to stimulate appreciation for, and understanding of, values, ideas, and artifacts of culture and society. Critical thinking skills and self-understanding through these courses provide a framework for lifelong study in liberal arts. Successful completion of the curriculum in Social and Behavioral Sciences offers students a breadth of knowledge that could be focused into single discipline degrees as well as applied to an interdisciplinary degree. The degree is intended for students who are considering transfer but have not decided on a major or for students who are required to complete a degree for job promotion. In all cases, students should consult with a counselor to develop a program of study.

Students should complete 18 units <u>from a minimum of two disciplines</u> from the following list of courses:	**Units**
Select 18 units from the following:	
AFRAM 1 Introduction to African-American Studies	3
AFRAM 33 The Roots of Black American Culture	3
ANTHR 1 Introduction to Physical Anthropology	3
ANTHR 1L Introduction to Physical Anthropology Lab	1
ANTHR 2 Introduction to Archaeology and Prehistory	3
ANTHR 3 Introduction to Social and Cultural Anthropology	3
ANTHR 13 Urban Anthropology	3
ANTHR 18 Introduction to Anthropological Linguistics	3
ANTHR 55 Native American Cultures	3
ASAME 30 Asians and Asian-Americans Through Films	3
ASL 55A History and Culture of Deaf People in America I	3
ASL 55B History and Culture of Deaf People in America II	3
BUS 5 Human Relations in Business	3
CHDEV 51 Child Growth and Development	3
COMM 6 Intercultural Communication	3
COMM 19 Survey of Mass Media	3
ECON 1 Principles of Economics (Macro Economics)	3
ECON 2 Principles of Economics (Micro-Economics)	3
EDUC 1 Introduction to the Field of Education	3
ETHST 1 Introduction to Ethnic Studies	3
GEOG 2 Cultural Geography	3
GEOG 3 World Regional Geography	3
HIST 1 American Indian History and Culture	3
HIST 2A History of European Civilization	3
HIST 2B History of European Civilization	3
HIST 3A World History to 1500	3
HIST 3B Modern World History: 1500-Present	3
HIST 7A History of the United States	3
HIST 7B History of the United States	3
HIST 8B History of Latin-American Civilization	3
HIST 10B History of Africa since 1750	3
HIST 19 History of California	3

PROGRAM MODIFICATIONS

Liberal Arts Program
Liberal Arts with an Emphasis in Social and Behavioral Sciences
Associate in Arts Degree
Effective Term: Spring 2016
(Continuation)

	Units
HIST 21 U.S. Women: A Social History	3
HIST 23 Global Perspectives	3
HIST 31 Contemporary Middle East: Politics of Nationalism	3
HIST 32 The United States Since 1945	3
HIST 33 History of Native American Thought and Literature	3
HIST 38 Current World Problems	3
HUMAN 55 The Representation of Immigration in Cinema and Television	4
M/LAT 30A Survey of Latin-American Films	3
M/LAT 30B Survey of Latin-American Films	3
POSCI 1 Government and Politics in the United States	3
POSCI 2 Comparative Government	3
POSCI 3 International Relations	3
POSCI 4 Political Theory	3
POSCI 6 The U.S. Constitution and Criminal Due Process	3
POSCI 11 Comparative Social Movements Since the 1960s	3
POSCI 12 Contemporary Middle East: Politics of Nationalism	3
POSCI 20 Current World Problems	3
PSYCH 1A Introduction to General Psychology	3
PSYCH 6 Social Psychology	3
PSYCH 10 Psychology and Life: Basic Principles	3
PSYCH 21 Lifespan Human Development	3
PSYCH 28 Introduction to Research Methods in Psychology	3
SOCSC 1 Introduction to Women's Studies	3
SOCSC 2 Introduction to Diversity Issues	3
SOCSC 3 Comparative Social Movements Since the 1960s	3
SOC 1 Introduction to Sociology	3
SOC 2 Social Problems	3
SOC 5 Minority Groups	3
SOC 6 Comparative Social Movements Since the 1960s	3
SOC 7 Sociology of Gender	3
SOC 8 Crime and Deviance	3
SOC 13 Sociology of the Family	3
SOC 18 Sociology of Death and Dying	3
SOC 120 Introduction to Research Methods	3
WS 1 Introduction to Women's Studies	3
Major Requirements	18
General Education and Electives	42
Total Units:	**60**

Program Learning Outcomes

Students who complete the program will be able to:

- Use discipline-appropriate approaches to critically analyze social problems or processes.
- Analyze the consequences of social actions or forces and their impact upon social structure or the individual.
- Evaluate the foundations of diversity within the human experience.

Liberal Arts Major: Liberal Arts with an Emphasis in Social and Behavioral Sciences (AA)

PROGRAM MODIFICATIONS

Multimedia Arts Program
Imaging: Infographic Design and Data Visualization
Associate in Arts Degree
Effective Term: Spring 2016

Berkeley City College's Multimedia Arts Program in Imaging: Infographic Design and Data Visualization prepares students for entry-level jobs in the photography, graphic design, imaging and data visualization fields and provides upgraded skills for those already employed in multimedia and data design fields. The program is interdisciplinary and focuses on developing analytical, artistic, critical thinking and computer skills.

Career Opportunities: Studio photography, preprocessing, digital marketing, digital design, advertising, prepress and press production, and independent printmaking.

Required Core Courses:	**Units**
MMART 110 Scriptwriting and Storyboarding I	3
MMART 130/130L Introduction to Digital Art & Lab	3
MMART 141A Video Production I	3
MMART 164/164L Introduction to Web Design & Lab	3
MMART 165/165L Fundamentals of Graphic Visualization & Lab	3
Or	
ART 46 2-D Visual Design	3
MMART 199 Multimedia Special Projects	3
Or	
COPED 468B Occupational Work Experience in Multimedia Arts	3 – 4
List A — Select 9 units from the following:	
MMART 114/114L Data Design for Digital Media & Lab	3
MMART 131A/131LA Photoshop I & Lab	3
MMART 166/166L User Experience and Interface Design & Lab	3
MMART 228C Intro to InDesign Desktop Publishing	2
List B — Select 6 units from the following:	
MMART 133A/133LA Digital Photography I & Lab	3
MMART 134A/134LA Digital Printmaking I & Lab	3
MMART 168/168L Online Games & Interactivity & Lab	3
List C — Select 3 units from the following:	
MMART 135A/135LA Advanced Practices for Digital Printmaking I & Lab	3
MMART 137A/137LA Applications of Large Scale Print I	3
Major requirements	36 - 37
General Education and Electives	23 - 24
Total Units:	**60**

Program Learning Outcomes
Students who complete the program will be able to:

- Demonstrate entry-level skills in infographic design and data visualization through completed portfolio level projects in both visual and written context.
- Describe, plan and evaluate design principles, aesthetic forms, historical context and social relevance of multimedia works.
- Collaborate effectively within a diverse team environment.

PROGRAM MODIFICATIONS

Multimedia Arts Program
Mobile and Web Design
Associate in Arts Degree
Effective Term: Spring 2016

Berkeley City College's Multimedia Arts Program in Mobile and Web Design A.A. Degree prepares students for entry-level jobs in the mobile and web design fields and provides upgraded skills for those already employed in multimedia, mobile and web related careers. The program is interdisciplinary and focuses on developing critical thinking, artistic and technical skills.

Career Opportunities: Mobile design, Responsive Web Design, Interactive Design, Front End Web Design, Game Design, Digital Marketing, Software Engineering, Creative Technology, Virtual Reality Design, and Social Media Strategy.

Required Core Courses:	**Units**
MMART 110 Scriptwriting and Storyboarding I	3
MMART 130/130L Introduction to Digital Art & Lab	3
MMART 141A Video Production I	3
MMART 164/164L Introduction to Web Design & Lab	3
MMART 165/165L Fundamentals of Graphic Visualization & Lab	3
Or	
ART 46 2-D Visual Design	3
MMART 166/166L User Experience and Interface Design & Lab	3
MMART 168/168L Online Games & Interactivity & Lab	3
MMART 169/169L Social & Emergent Media & Lab	3
MMART 199 Multimedia Special Projects	3
Or	
COPED 468B Occupational Work Experience in Multimedia Arts	3 – 4
List A — Select 3 units from the following:	
MMART 114/114L Data Design for Digital Media & Lab	3
MMART 120 Media and Communications	3
MMART 167/167L Mobile and Cross-Platform Web Design & Lab	3
List B — Select 6 units from the following:	
MMART 162/162L Contemporary Scripting for Games, Mobile and Web & Lab	3
MMART 170/170L Virtual Reality and Digital Spaces & Lab	3
MMART 171/171L Web Commerce & Internet Start Up & Lab	3
Major Requirements	36 - 37
General Education and Electives	23 - 24
Total Units:	**60**

Program Learning Outcomes
Students who complete the program will be able to:

- Construct web design projects, demonstrating proof of concept.
- Work alone or in a team to create, develop and present storyboards, written proposals and sophisticated websites for client/organization.
- Analyze contemporary avenues for social media discourse and presentation.
- Appraise peer work in relation to the project goals.

PROGRAM MODIFICATIONS

Multimedia Arts Program
Video Arts
Associate in Arts Degree
Effective Term: Spring 2016

Berkeley City College's Multimedia Arts Program in Video Arts A.A. Degree prepares students for entry-level jobs in the video production and editing fields and provides upgraded skills for those already employed in multimedia and film related jobs. The program is interdisciplinary and focuses on developing artistic, critical thinking and computer skills.

Career Opportunities: Video production, video editing, motion graphics, audio/visual installment and operation, audio recording and sound design, cinematography, lighting, documentary production, sports videography, and television.

Required Core Courses:	**Units**
MMART 110 Scriptwriting and Storyboarding I	3
MMART 130/130L Introduction to Digital Art & Lab	3
MMART 141A Video Production I	3
MMART 164/164L Introduction to Web Design & Lab	3
MMART 165/165L Fundamentals of Graphic Visualization & Lab	3
Or	
ART 46 2-D Visual Design	3
MMART 199 Multimedia Special Projects	3
Or	
COPED 468B Occupational Work Experience in Multimedia Arts	3 – 4
Required Courses for the Video Arts A.A. Degree (9 units):	
MMART 148A/148LA Sound Recording and Editing & Lab	3
MMART 150A/150LA Video Editing I & Lab	3
MMART 197/197L Multimedia Portfolio/Sample Reel Development & Lab	3
Select 9 units from the following:	
MMART 141B Video Production II: Directing & Producing	3
MMART 142 Visual Storytelling & Cinematography	3
MMART 148B/148LB Sound for Film & Animation & Lab	3
MMART 150B/150LB Video Editing II & Lab	3
MMART 150C/150LC Video Editing III & Lab	3
MMART 152A/152LA Motion Graphics/After Effects I & Lab	3
MMART 195A Special Project: Digital Arts Festival Organization	3
Major Requirements	36 - 37
General Education and Electives	23 - 24
Total:	**60**

Program Learning Outcomes
Students who complete the program will be able to:

- Demonstrate entry-level skills in video arts via completed portfolio projects.
- Describe, plan and evaluate design principles, aesthetic forms, historical context and social relevance of multimedia works.
- Collaborate effectively within a diverse team environment.

PROGRAM MODIFICATIONS

Multimedia Arts Program
Writing, Directing, and Producing for Multimedia Arts
Certificate of Achievement
Effective Term: Fall 2016

The certificate of Writing, Directing, and Producing for Multimedia Arts provides analytical and professional writing techniques and an overview of fundraising, screenplays, critiques and social media which can be applied to directing and producing. If you wish to earn a certificate, you must participate in the Student Success Program Matriculation), which includes assessing academic skills and developing a Student Education Plan (SEP) with a counselor. This plan will map your sequence of courses to help you complete your certificate regardless of the semester you begin classes.

Career Opportunities: Documentary production, screenwriting, producing for film or television, grant writing, fundraising, and writing for social media.

Required Courses:	**Units**
MMART 109 Writing for the Business of Multimedia	3
MMART 113 Digital Storytelling	3
MMART 141B Video Production II: Directing & Producing	3
Select 9-12 units from the following:	
HUMAN 21 Film: Art and Communication	3
MMART 110 Scriptwriting and Storyboarding I	3
MMART 111A Narrative Scriptwriting I	3
MMART 120 Media and Communications	3
MMART 122B From Movies to Multimedia	3
MMART 123 The Documentary Tradition	3
MMART 142 Visual Storytelling & Cinematography	3
MMART 148B/148LB Sound for Film & Animation & Lab	3
MMART 142 Visual Storytelling & Cinematography	3
MMART 156 Documentary Production Intensive	3
MMART 169/169L Social & Emergent Media & Lab	3
MMART 195A Special Project: Digital Arts Festival Organization	3
Total:	**18-21**

Program Learning Outcomes
Students who complete the program will be able to:

- Demonstrate entry level skills in writing, directing & producing through the completion of individual and team projects
- Collaborate within a diverse team environment

PROGRAM MODIFICATIONS

Public and Human Services Program
Community and Public Services
Associate in Arts Degree and Certificate of Achievement*
Effective Term: Fall 2015

The Community and Public Services program enables students to participate as full team members, maintain currency in the rapidly changing field of health and human services, and advance in this field over time. Health and human services theory, policy, and practice are embedded in the Community and Public Services program. Students gain valuable up-to-date knowledge while obtaining critical on-the-job experience. They have the option of completing the minimum requirements to receive a Certificate of Achievement or completing both the minimum requirements and general education requirements to obtain an Associate in Arts Degree.

Career Opportunities: Entry level positions in a variety of public service fields, including community relations, fund-raising and event planning, public safety, adult/child day care, and protective services.

Required Courses:	**Units**
COMM 6 Intercultural Communication	3
COMM 45 Public Speaking	3
COPED 451 Occupational Work Experience	1
ENGL 1A Composition and Reading	4
HLTED 1 Exploring Health Issues	3
HUSV 109 Diverse Populations in Human Services	2
HUSV 110 Social Services Specializations I	3
HUSV 111 Social Services Specializations II	3
HUSV 117 Introduction to Behavioral Health Services	3
HUSV 118 Introduction to Social Services	3
Select 3 units from the following:	
ANTHR 3 Introduction to Social and Cultural Anthropology	3
SOC 1 Introduction to Sociology	3
SOC 2 Social Problems	3
SOC 5 Minority Groups	3
SOC 7 Sociology of Gender	3
SOC 8 Crime and Deviance	3
SOC 13 Sociology of the Family	3
Major Requirements	31
General Education and Electives	29
Total units:	**60**

*For the Certificate of Achievement, students must complete the 31 units of Core courses. For the Associate Degree, students must complete the 31 units of Core courses plus 29 units of General Education requirements and elective courses.

Program Learning Outcomes

Students who complete the program will be able to:

- Review client issues through an ethical and legal lens and develop appropriate plans of action based upon this analysis.
- Articulate a fundamental knowledge of the history as well as the role and scope of practice of entry level public and human services paraprofessionals and public agencies' programs and services.
- Critically review and synthesize current political, social and economic issues impacting local social and human service programs and services.
- Describe personal values, career goals, and commitment to cultural humility.

PROGRAM MODIFICATIONS

Public and Human Services Program
Community Health Worker
Associate in Arts Degree & Certificate of Achievement*
Effective Term: Fall 2015

Community Health Workers bridge the gaps between individuals and communities and the healthcare system, serving as mediators, educators, advocates, and links between communities of which they are members, and the health and social service systems.

Career Opportunities: Community health work, including assistance with peer education, parent-child advocacy, advising for families with application processes for government financial assistance, child care education, etc.

Required Courses:	**Units**
BIOL 25 Human Biology	3
COPED 451 Occupational Work Experience	1
ENGL 1A Composition and Reading	4
HLTED 1 Exploring Health Issues	3
HLTOC 201 Medical Terminology I	2
HLTOC 202 Medical Terminology II	2
HUSV 101 Case Management in Human Services	2
HUSV 108 Helping Skills for Human Services Paraprofessionals	2
HUSV 109 Diverse Populations in Human Services	2
HUSV 110 Social Services Specializations I	3
HUSV 111 Social Services Specializations II	3
HUSV 117 Introduction to Behavioral Health Services	3
Major Requirements	30
General Education and Electives	30
Total Units:	**60**

*For the Certificate of Achievement, students must complete the 30 units of Core courses. For the Associate Degree, students must complete the 30 units of Core courses plus 30 units of General Education requirements and elective courses.

Program Learning Outcomes
Students who complete the program will be able to:

- Describe client issues through an ethical and legal lens and synthesize analyses in effective case management plans.
- Demonstrate through written and oral reports an understanding of the public agencies' programs and services.
- Critically review and synthesize current political, social and economic issues impacting local human services programs and services.
- Describe personal and career goals, as well as commitment to cultural humility.

PROGRAM MODIFICATIONS

Public and Human Services Program
Social Services Paraprofessional
Associate in Arts Degree & Certificate of Achievement*
Effective Term: Fall 2015

The Public and Human Services Program (PHSP) is an over-arching program comprised of three distinct Associate in Arts Degrees and Certificates of Achievement strands: Social Services Paraprofessional (SSP), Community Health Worker (CHW), and Public and Community Services (PCS). The program provides individuals with the skills necessary for entry-level responsibilities and career advancement in the health and human services field. Current labor market data for California reflect a high demand for employees, particularly in entry-level positions, in health and human services. The Public and Human Services Program provides an in-depth exploration of specific areas that are in high demand including child and family services, gerontology, California welfare programs, Community Health Work, community relations, and customer service in a variety of fields, such as substance abuse, public administration and public policy, law enforcement, and careers in public safety. Students receive on-the-job training through field experiences that provide them with opportunities to practice the theory and principles of the program.

Career Opportunities: Paraprofessional capacities in public and human services settings such as adult day health/wellness activity programs; assisted living communities; congregate settings; child care agencies.

Required Courses:	**Units**
COMM 6 Intercultural Communication	3
COPED 451 Occupational Work Experience	1
ENGL 1A Composition and Reading	4
HLTED 1 Exploring Health Issues	3
HUSV 101 Case Management in Human Services	2
HUSV 108 Helping Skills for Human Services Paraprofessionals	2
HUSV 109 Diverse Populations in Human Services	2
HUSV 110 Social Services Specializations I	3
HUSV 111 Social Services Specializations II	3
HUSV 112 Seminar for Field Experience in Social Services I	2
HUSV 113 Seminar for Field Experience in Social Services II	2
HUSV 117 Introduction to Behavioral Health Services	3
HUSV 118 Introduction to Social Services	3
Major Requirements	33
General Education and Electives	27
Total units:	**60**

*For the Certificate of Achievement, students must complete the 33 units of Core courses. For the Associate Degree, students must complete the 33 units of Core courses plus 27 units of General Education requirements and elective courses.

Program Learning Outcomes
Students who complete the program will be able to:

- Analyze client issues through an ethical and legal lens and synthesize analyses in effective case management plans.
- Articulate a fundamental knowledge of the history as well as the role and scope of practice of entry level public and human services paraprofessionals, and public agencies' programs and services.
- Critically review and synthesize current political, social and economic issues impacting local human services programs and services.
- Describe personal and career goals, as well as commitment to cultural humility.

PROGRAM MODIFICATIONS

Spanish Program
Spanish Language for Heritage Speakers
Associate in Arts Degree
Effective Term: Fall 2015

Spanish provides a sequential course of study that prepares you for transfer to four-year institutions with a Spanish major or acquisition of Spanish proficiency necessary for career fields that emphasize the value of familiarity with diverse cultures and global issues.

Required Courses:	**Units**
SPAN 22A Spanish for Bilingual Speakers I	5
SPAN 22B Spanish for Bilingual Speakers II	5
Select 12 units from the following:	
M/LAT 30A Survey of Latin-American Films	3
M/LAT 30B Survey of Latin-American Films	3
SPAN 15 Spanish Composition	3
SPAN 38 Latin American Literature	3
SPAN 39 Latin American Novel	3
SPAN 40 Hispanic Civilization and Culture	3
Required Courses	22
General Education and Electives	38
Total Units:	**60**

Program Learning Outcomes
Students who complete the program will be able to:

- Demonstrate oral competence in the Spanish Language: use grammar and vocabulary to demonstrate oral competence in the Spanish language.
- Demonstrate written competence in the Spanish language: use grammar and vocabulary to demonstrate written competence in the Spanish language.
- Describe the culture(s) of the Spanish--speaking world.
- Interpret Spanish-language texts according to their cultural, literary and/or linguistic content.

CATALOG CORRECTIONS

PAGE NO.	SECTION	CORRECTIONS
61	Course Identification Numbering System (C-ID)	69. SOC 2 = SOCI 115
83	Pass/No Pass Option	Pass/No Pass Option Each Peralta College shall determine which courses can be offered on a Pass/No Pass basis and shall specify in the college catalog which courses have this option. (In absence of such a determination, a course will be presumed to be offered on a letter-grade basis.) The student's decision to take a course for Pass/No Pass must be made prior to the fourth week of instruction (30% of instruction for summer session and short-term classes). The student must go into the Passport Student Center to choose P/NP. Upon successful completion of a pass/no-pass graded course, the student earns the specified number of units and the record will show "P" (which indicates a "C" grade or better). If the student's work is unsatisfactory, the record will show "NP" (which indicates a "D" grade or below). All units earned on a Pass/No Pass basis in California institutions of higher education or equivalent out-of-state institutions shall be counted in satisfaction of community college curriculum requirements, but such courses shall not be included in determining a student's grade point average. Students planning to transfer to a four-year institution are cautioned that in most cases courses in which a grade of "P" was earned will not be counted toward their major. Furthermore, limitations are imposed on the number of units of "P" that will be counted toward a Bachelor's degree. The student should consult the catalog of the transfer institution for more specific information on regarding the use of courses in which a "P" grade was received
125	General Business A.A. Degree and Certificate of Achievement	"*For the Certificate of Achievement, students must complete the 34-35 unit major requirements only."
127	Office Skills for Business Certificate of Achievement	The total units for the program is 22.5.
137	Web Programming A.S Degree	Major Requirements 44 General Education and Electives 16 Total Units: 60
161-162	Liberal Arts with an emphasis in Arts and Humanities A.A. Degree	Students should complete 18 units from a minimum of two disciplines from the list of courses.
163-164	Liberal Arts with an emphasis in Social and Behavioral Sciences A.A. Degree	Students should complete 18 units from a minimum of two disciplines from the list of courses.
215	ART 46	2-D Visual Design
215	ART 47	3-D Visual Design

CATALOG CORRECTIONS

PAGE NO.	SECTION	CORRECTIONS
255	LIS 80	1 unit, 1 hour lecture
257	MATH 3F	Prerequisite: MATH 3B and 3E. Recommended Preparation: MATH 3C. Math 3E and 3F are equivalent to MATH 3D.
261	MMART 114	2 units, 2 hours lecture
288	SOC 2	(C-ID SOCI 115)

C-ID DESIGNATOR

Below is the current list of Berkeley City College courses that have a C-ID Designator.:

Berkeley City College Course	C-ID Designator		Berkeley City College Course	C-ID Designator
1. ACCT 110	BUS 1A		44. ENGL 180	ENGL 47
2. ACCT 120	BUS 1B		45. ENGL 200	ENGL 10A
3. ANTH 110	ANTHR 1		46. FTVE 130	MMART 141A
4. ANTH 115L	ANTHR 1L		47. GEOG 125	GEOG 3
5. ANTH 120	ANTHR 3		48. GEOG 140	GEOG 18
6. ANTH 130	ANTHR 18		49. GEOL 120	GEOL 10
7. ANTH 150	ANTHR 2		50. GEOL 120L	GEOL 10L
8. ARTH 100	ART 1		51. HIST 130	HIST 7A
9. ARTH 110	ART 2		52. HIST 140	HIST 7B
10. ARTH 120	ART 3		53. HIST 150	HIST 3A
11. ARTS 100	ART 46		54. HIST 160	HIST 3B
12. ARTS 101	ART 47		55. HIST 170	HIST 2A
13. ARTS 110	ART 20		56. HIST 180	HIST 2B
14. ARTS 205	ART 22		57. JOUR 100	COMM 19
15. ARTS 210	ART 50		58. MATH 110	MATH 13
16. ARTS 250	MMART 130/130L		59. MATH 140	MATH 16A
17. BIOL 130S	BIOL 1A & 1B		60. MATH 210	MATH 3A
18. BIOL 135S	BIOL 1A & 1B		61. MATH 220	MATH 3B
19. BIOL 190	BIOL 1A		62. MATH 230	MATH 3C
20. BUS 110	BUS 10		63. MATH 240	MATH 3F
21. BUS 115	BUS 19		64. MATH 250	MATH 3E
22. BUS 125	BUS 2		65. MUS 100	MUSIC 10
23. CDEV 100	CHDEV 51		66. PHIL 100	PHIL 1
24. CHEM 110	CHEM 1A		67. PHIL 110	PHIL 10
25. CHEM 120S	CHEM 1A & 1B		68. PHIL 120	PHIL 31A
26. CHEM 150	CHEM 12A		69. PHIL 120	HUMAN 30A
27. CHEM 160S	CHEM 12A & 12B		70. PHIL 130	PHIL 20A
28. COMM 110	COMM 45		71. PHIL 140	PHIL 20B
29. COMM 120	COMM 5		72. PHIL 210	PHIL 11
30. COMM 130	COMM 20		73. PHYS 100S	PHYS 3A & 3B
31. COMM 140	COMM 4		74. PHYS 105	PHYS 3A
32. COMM 150	COMM 6		75. PHYS 110	PHYS 3B
33. COMP 122	CIS 6		76. PHYS 140	CHEM 30A & PHYS 10
34. COMP 142	CIS 20			
35. COMP 152	CIS 80		77. PHYS 205	PHYS 4A
36. ECON 201	ECON 2		78. PHYS 210	PHYS 4B
37. ECON 202	ECON 1		79. POLS 110	POSCI 1
38. ENGL 100	ENGL 1A		80. POLS 120	POSCI 4
39. ENGL 105	ENGL 5		81. POLS 130	POSCI 2
40. ENGL 120	ENGL 1B		82. POLS 140	POSCI 3
41. ENGL 150	ENGL 85A		83. POLS 160	SOC 120
42. ENGL 152	ENGL 85B		84. PSY 110	PSYCH 1A
43. ENGL 155	ENGL 85C		85. PSY 170	PSYCH 6

C-ID DESIGNATOR

Berkeley City College Course	C-ID Designator		Berkeley City College Course	C-ID Designator
86. PSY 180	PSYCH 21		94. SOCI 160	SOC 8
87. PSY 200	PSYCH 28		95. SPAN 100	SPAN 1A
88. SOCI 110	SOC 1		96. SPAN 110	SPAN 1B
89. SOCI 115	SOC 2		97. SPAN 200	SPAN 2A
90. SOCI 120	SOC 120		98. SPAN 210	SPAN 2B
91. SOCI 130	SOC 13		99. SPAN 220	SPAN 22A
92. SOCI 140	SOC 7		100. SPAN 230	SPAN 22B
93. SOCI 150	SOC 5			

APPENDIX A
Berkeley City College
2050 Center Street, Berkeley, CA 94704
General Education Requirements for AA/AS Degrees
2016-2017 ADVISING FORM

Student's Name: _____ _____ _____
Last First Student I.D. # Major

- ⇨A minimum grade point average 2.0 or better is required in both overall grade point average and G.E. Requirements.
- ⇨Grade "C" or better is required in each course for the major, English Composition (Area 4a) & Mathematics (Area 4b).
- ⇨Eligibility for graduation upon satisfactory completion of 60 degree-applicable units.
- ⇨At least 12 of the 60 degree-applicable units must be completed at Berkeley City College.
- ⇨While a course may satisfy more than one G.E. Requirement, it may not be counted more than once, (see exception for Ethnic Studies-Area 5).
- ⇨It is the student's responsibility to file a "Petition for an Associate Degree" by the deadline date (see Class Schedule for deadline).
- ⇨For more specific information, please see a Counselor before enrolling in these courses.

Legend: R=Remaining IP=In Progress C=Completed

	R	IP	C
AREA 1 – NATURAL SCIENCE: One course with a minimum value of 3 semester units. **ANTHR** 1 **ASTR** 10 **BIOL** 1A, 1B, 3, 10, 13, 25, 33, 34, 50A, 50B, 50C **CHEM** 1A, 1B, 12A, 12B, 18, 30A, 30B **GEOG** 1, 18, 19 **GEOL** 10 **PHYSC** 10, 20 **PHYS** 3A, 3B, 4A, 4B, 4C, 10 College: _____ Course from Other College:_____ Advanced Placement: _____			
AREA 2 – SOCIAL AND BEHAVIORAL SCIENCES: One course with a minimum value of 3 semester units. **AFRAM** 1, 33 **ANTHR** 2, 3, 13, 18, 55 **ART** 181, 182(*) **ASL** 55A **BIOL** 27 **BUS** 5, 77 **CHDEV** 51 **COMM** 6, 10, 19 **ECON** 1, 2 **EDUC** 1 **ETHST** 1 **GEOG** 2, 3, 5, 18 **HIST** 1, 2A, 2B, 3A, 3B, 5, 7A, 7B, 8B, 10B, 17, 19, 20. 21, 22, 23 31(**), 32, 33, 37(+), 38 (++) **HLTED** 1 **HUMAN** 15, 182(*) **HUSV** 117, 118 **LRNRE** 222 **POSCI** 1, 2, 3, 4, 6, 11(++++), 12(**), 20(++), 25(+) **PSYCH** 1A, 6, 7A, 10, 21, 28, 30 **SOCSC** 1(+++), 2, 3(++++) **SOC** 1, 2, 5, 6(++++), 7, 8, 13, 18, 120 **WS** 1(+++) (*), (**), (+), (++), (+++), (++++) *Students will receive credit for one course only.* College: _____ Course from Other College:_____ Advanced Placement: _____			
AREA 3 – HUMANITIES: One course with a minimum value of 3 semester units. **ARAB** 1A, 1B **ART** 1, 2, 3, 4, 13, 16, 180, 181, 182(+++) **ASAME** 30 **ASL** 50, 51, 52, 53 **CHIN** 1 **COMM** 5 **ENGL** 1B, 10A, 10B, 14, 15. 17A, 17B, 21, 47, 50 85A, 85B, 85C, 217A, 217B **FREN** 1A, 1B **HIST** 33 **HUMAN** 1, 5, 15, 21, 26, 30A(**), 30B, 40, 46(*), 52(+), 53, 55, 57, 182(+++) **M/LAT** 30A, 30B **MMART** 121, 122A, 122B, 123, 124 **MUSIC** 10, 15A, 15B, 24 **PHIL** 1, 2, 10, 11, 16, 20A, 20B, 31A(**), 35(++), 37, 46(*) **PORT** 1A, 1B **SPAN** 1A, 1B, 2A, 2B, 10A, 10B, 15, 22A, 22B, 31A, 31B, 35B, 38, 39, 40 **WS** 35(++), 52(+) (*), (**), (***), (++) (+++) *Students will receive credit for one course only.* College: _____ Course from Other College:_____ Advanced Placement: _____			

AREA 4 – LANGUAGE AND RATIONALITY: One course from each sub area must be completed.	**R**	**IP**	**C**
4a. English Composition: One course, 3 semester units minimum (unless otherwise noted) with a grade of "C" or better. **COMM** 5 **ENGL** 1A, 1B, 5 **ESL** 52A, 52B *+Both English 101A & 101B must be completed with a grade of "C" or better.* **ENGL 1A** can be taken through credit-by-exam, please see the English Department Chair. College: _____ Course from Other College:_____ Advanced Placement: _____			
4b. Mathematics: (*with a grade of "C" or better*) May be met by one of the two plans listed below. **Plan I:** Completion of one course, 3 semester units minimum (unless otherwise noted) from the following list. **MATH** 1, 2, 3A, 3B, 3C, 3E, 3F, 13,16A, 16B, 18, 50, 202, 203 **Plan II:** Credit by Examination of Mathematics 203 (1) Examination will be offered twice each semester – dates to be announced by Mathematics Dept. (2) Examination may be repeated one time only when grade is less than "C". College: _____ Course from Other College:_____ Advanced Placement: _____			
4c. Computer Literacy: May be met by one of the two plans listed below. **Plan I:** Completion of one course, 1 semester unit minimum from the following list. **BUS** 24, 102 **CIS** All courses numbered 1 through 248 with a minimum value of 1 semester unit **LIS** 80, 85 **MMART** All courses numbered 130 through 200 **Plan II:** Credit by Examination of CIS 200 Examination will be offered by the CIS Dept. College: _____ Course from Other College:_____			
4d. Oral or Written Communication, or Literature: One course with a minimum value of 3 semester units. **BUS** 19 **COMM** 3, 4, 5, 6, 19, 20, 45 **ENGL** All courses numbered 1 through 247+ (except 48s, 49s, 101A, 101B, 130, and 208). **ESL** 50A, 50B, 52A, 52B **HIST** 33 **MMART** 101, 109, 110, 112, 113, 120 College: _____ Course from Other College:_____ Advanced Placement: _____			
AREA 5 – ETHNIC STUDIES: One course with a minimum value of 3 semester units. **AFRAM** 1, 33 **ANTHR** 55 **ASAME** 30 **ENGL** 50 **ETHST** 1 **HIST** 1, 17, 19, 33 **M/LAT** 30A **MUSIC** 15A, 15B **SOC** 5 **Note**: Any course listed in Area 5-Ethnic Studies that is also listed in another area may be used to satisfy both areas. However, the units are counted only once. College: _____ Course from Other College:_____ _____ Advanced Placement: _____			

This list will be revised as courses are added or deleted from the curriculum. **Revised: 5/21/15**

APPENDIX B

Berkeley City College
2050 Center Street, Berkeley, CA 94704
California State University General Education Breadth Requirements
2016-2017 ADVISING FORM

Student's Name: _____ _____ _____ _____
Last First Student I.D. # Major

The California State University System requires a transfer student seeking a bachelor's degree to complete a forty-eight (48) unit breadth requirement, distributed among five academic areas. Thirty-nine of the units are lower-division courses and may be completed at Berkeley City College. The five breadth requirement areas and the courses that will satisfy the requirements of each area are listed below (*see reverse side for more information*).

- ➪ **Courses that are listed in more that one area but may not be counted in more than one area.**
- ➪ **For more specific information, please see a counselor before enrolling in these courses.**

Legend: R=Remaining IP=In Progress C=Completed

AREA A – ENGLISH LANGUAGE, COMMUNICATION, and CRITICAL THINKING Minimum of 9 semester (or 12-15 quarter) units. One course from each sub-area must be completed with a grade of "C" or better.	**R**	**IP**	**C**
A1 – Oral Communication: At least one (1) course from the following: **COMM** 3, 4, 20, 45 **ESL** 50A College: _____ Course from Other College:_____			
A2 – Written Communication: **ENGL** 1A College: _____ Course from Other College:_____ Advanced Placement: _____			
*A3 – Critical Thinking: At least one course from the following: **COMM** 5 **ENGL** 5 **PHIL** 10, 11 ** For some Engineering majors, exceptions may apply (see a counselor for details).* College: _____ Course from Other College:_____			
AREA B – SCIENTIFIC INQUIRY and QUANTITATIVE REASONING Minimum of 9 semester (or 12-15 quarter) units. One from Physical Sciences (B1), one from Life Sciences (B2), and one from Mathematics/Quantitative Reasoning (B4). One laboratory activity (L) required from either Physical Science or Life Science or ANTHR 1L **or** GEOG 1L. Math/Quantitative Reasoning (B4) with a grade "C" or better. B1 – Physical Science At least one course from the following: **ASTR** 10 **GEOG** 1, 18, 19 **CHEM** 1A (L), 1B (L), 12A(L), 12B(L), 18(l), 30A (L), 30B (L) **GEOL** 10 **PHYS** 3A(L), 3B(L), 4A(L), 4B(L), 4C(L), 10 **PHYSC** 10, 20 College: _____ Course from Other College:_____ Advanced Placement: _____			
B2 – Life Science At least one course from the following: **ANTHR** 1 **BIOL** 1A (L), 1B (L), 3 (L), 10 (L), 13, 25, 33 (L), 34 (L) College: _____ Course from Other College_____ Advanced Placement: _____			
B3 – Laboratory Activity At least one course from either **B1** or **B2** with lab activity (L) **or** one of the following: **ANTHR** 1L **BIOL** 13L **GEOG** 1L **GEOL** 10L College: _____ Course from Other College:_____			
B4 – Math/Quantitative Reasoning At least one course, with a grade "C" or better, from the following: **MATH** 1, 2, 3A, 3B, 3C, 3E, 3F,13, 16A, 16B, 18, 50 College: _____ Course from Other College:_____ Advanced Placement: _____			

	R	IP	C
AREA C – ARTS AND HUMANITIES Minimum of 9 semester (or 12-15 quarter) units with one course from Arts (C1), one course from Humanities (C2), and one course from either the Arts or Humanities. C1 – Arts (Arts, Cinema, Dance, Music, Theater): **ART** 1, 2, 3, 4, 13, 16, 46, 180, 182(+) **ENGL** 21 **HUMAN** 21, 26, 52 (*), 53, 57, 182(+) **MMART** 122B, 123 **MUSIC** 10, 15A, 15B, 24 **WS** 52 (*) (*), (+) *Students will receive credit and certification for one course only.* College: _____ Course from Other College:_____ Advanced Placement: _____			
C2 – Humanities (Literature, Philosophy, Languages other than English): **ARAB** 1A,1B, 30A **ART** 182 (****) **ASAME** 30 **ASL** 50, 50AB, 51, 51AB, 52, 52AB, 53, 53AB **CHIN** 1 **ENGL** 1B, 10A, 10B, 17A, 17B, 47 50, 71A, 72A, 73A, 85A, 85B, 85C , 91A, 92A, 93A **FREN** 1A, 1B **HIST** 33 **HUMAN** 1, 5, 15, 30A (*), 30B, 40, 46 (**), 55,182 (****) **M/LAT** 30A, 30B **PHIL** 1, 2, 10, 16, 20A, 20B, 31A(*), 35(***), 37, 46(**) **PORT** 1A, 1B **SPAN** 1A, 1B, 2A, 2B, 10A, 10B, 22A, 22B, 31A, 31B, 35A, 35B, 38, 39, 40 **WS** 35(***) (*), (**), (***) *Students will receive credit and certification for one course only.* College: _____ Course from Other College: _____ Advanced Placement: _____			
AREA D – SOCIAL SCIENCES Minimum of 9 semester (or 12-15 quarter) units with courses from at least two different disciplines. **AFRAM** 1, 33 **ANTHR** 2, 3, 13, 18, 55 **ASL** 55A **BIOL** 27 **CHDEV** 51 **COMM** 6, 19 **ECON** 1, 2 **ETHST** 1 **GEOG** 2, 3, 5,18 **HIST** 1, 2A, 2B, 3A, 3B, 5, 7A, 7B, 8B, 10B, 17, 19, 21, 22, 23, 31(*), 32, 33, 37(+), 38 (++) **HUMAN** 55 **HUSV** 118 **POSCI** 1, 2, 3, 4, 6, 11(^), 12(*), 20(++), 25(+) **PSYCH** 1A, 6, 7A, 10, 21, 30 **SOC** 1, 2, 5, 6 (^), 7, 8, 13 **SOCSC** 1(+++), 2, 3 (^) **WS** 1(+++) (*), (**), (+), (++), (+++), (^). *Students will receive credit and certification for one course only.* College: _____ Course from Other College_____ Advanced Placement: _____			
AREA E – LIFELONG LEARNING & SELF-DEVELOPMENT Minimum of 3 semester (or 4-5 quarter) units, one course from the following: **BIOL** 27 **COUN** 24, 57 **PSYCH** 1A, 6, 7A, 10, 21, 30 **CHDEV** 51 **HLTED** 1 (*) *Students will receive credit and certification for one course only.* **DD-214 documentation can be used to satisfy Area E.** College: _____ Course from Other College:_____			
AMERICAN INSTITUTIONS: U.S. History, Constitution and American Ideals (This graduation requirement can be completed at BCC prior to transfer.) Any of the following combinations (two courses) are acceptable: POSCI 1 **AND** HIST 7A **or** HIST 7B **Note:** Courses used to meet this requirement may also be used to satisfy requirement in CSU-GE/Breadth, Area D, (at the option of the receiving CSU campus), although units are counted once *(Please see a counselor for details).*			
CSU-GE Completed: ☐ YES **CSU Graduation Requirement American Institutions Completed:** ☐ YES			

Effective Fall 2005, the upper division transfer applicant must have completed at least 60 transferable units with a minimum GPA of 2.0. Of these a minimum of 39 units of General Education/Breadth must be completed including Areas A1, A2, A3 and B4.

Certification: The "Request for Certification" form is available and can be filed in the Admissions and Records Office. Official transcripts of any coursework completed outside Peralta District must be on file prior or accompany the certification request. Courses taken at other California Community Colleges will be placed in the CSU-GE/Breadth area identified by the offering college the term the course was taken. Courses taken at other colleges or universities (other than a CA Community College) may be used on CSU-GE as long as the courses are determined to meet CSU-GE course standards. Berkeley City College (Peralta Community College District) can certify either full certification (completion of all requirements in each subject-area) or partial certification (completion by subject-area) of the CSU-GE/Breadth. Students should request certification when a final transcript is requested to be sent to their choice of CSU, the term prior to transfer. Once certification is completed student records (transcript) will reflect the full or partial certification of CSU-GE/Breadth. **Revised 5/11/2016**

APPENDIX C
Berkeley City College
2050 Center Street, Berkeley, CA 94704
Intersegmental General Education Transfer Curriculum (IGETC)
2016-2017 ADVISING FORM

Student's Name: _____ _____ _____
Last First Student I.D. # Major

Completion of all the requirements in the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from a community college to a campus in either the California State University or the University of California system without the need, after transfer, to take additional lower-division, G. E. courses to satisfy campus G.E requirements. However, completion of the IGETC is not a requirement for admission to the CSU or UC system nor is the only way to fulfill lower division G.E. requirements (*see reverse side for more information about IGETC exceptions, restrictions, and certification*).

⇨ **For more specific information, please see a counselor before enrolling in these courses.**

^Indicates that transfer credit may be limited by either UC or CSU, or both. **Legend: R=Remaining IP=In Progress C=Completed**

	R	IP	C
AREA 1 – ENGLISH COMMUNICATION **CSU:** 3 courses required, one each from Group A, B, and C. **UC**: 2 courses required, one each from Group A and B **Group A:** English Composition, 1 course, 3 semester (or 4-5 quarter) units. **ENGL** 1A			
Group B: Critical Thinking – English Composition, 1 course, 3 semester (or 4-5 quarter) units. **COMM** 5 **ENGL** 5			
Group C: Oral Communication ***(CSU Requirement Only)*** 1 course, 3 semester (or 4-5 quarter) units. **COMM** 3, 4, 20, 45			
AREA 2 – MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING 1 course, 3 semester (or 4-5 quarter) units. **MATH** 1^, 2^, 3A^, 3B^, 3C, 3E^, 3F^, 13, 16A^, 16B^			
AREA 3 – ARTS AND HUMANITIES At least 3 courses, with at least one from the Arts and one from the Humanities: 9 semester (or 12-15 quarter) units. **ARTS:** **ART** 1, 2, 3, 4, 13, 16, 180, 182(^) **ENGL** 21 **HUMAN** 21, 26, 52(*), 53, 182(^) **MMART** 122B, 123 **MUSIC** 10, 15A, 15B, 24 ***WS*** 52 (*) (*), (^) *Students will receive credit and certification for one course only.*			
HUMANITIES: **ARAB** 1B **ART** 182(^) **ASAME** 30 **ENGL** 1B, 17A, 17B, 50 85A, 85B, 85C **FREN** 1B **HIST** 33 **HUMAN** 1, 5, 15, 30A(*), 30B, 40, 46(**), 55, 57, 182(^) **M/LAT** 30A, 30B **PHIL** 1, 2, 16, 20A, 20B, 31A(*), 35(***),37, 46(**) **PORT** 1B **SPAN** 1B, 2A^, 2B^, 10A, 10B, 38, 39, 40 **WS** 35(***) (*), (**), (***), (^) *Students will receive credit and certification for one course only.*			
AREA 4 – SOCIAL AND BEHAVIORAL SCIENCES At least 3 courses from at least 2 disciplines or an interdisciplinary sequence: 9 semester (or 12-15 quarter) units. **AFRAM** 1, 33 **ANTHR** 2, 3, 13, 18, 55 **ASL** 55A **BIOL** 27 **CHDEV** 51 **COMM** 6, 19 **ECON** 1, 2 **ETHNST** 1 **GEOG** 2, 3, 5 **HIST** 1, 2A, 2B, 3A, 3B, 5, 7A, 7B, 8B, 10B, 17, 19, 21, 22, 23, 31(*), 32, 37(^), 38 (++) **HUMAN** 55 **POSCI** 1, 2, 3, 4, 6, 11(+), 12 (*), 20 (++), 25 (^) **PSYCH** 1A, 6, 7A, 10, 21, 30 **SOCSC** 1(+++), 2, 3(+) **SOC** 1, 2, 5, 6(+), 7, 8, 13, 18 **WS** 1(+++) (*), (+), (++), (+++), (^), (+) *Students will receive credit and certification for one course only.*			
AREA 5 – PHYSICAL AND BIOLOGICAL SCIENCES At least 2 courses, one from Physical Science and one from Biological Science; at least one must include a Laboratory (indicated by "L" in parentheses): 7-9 semester (or 9-12 quarter) units. **A. PHYSICAL SCIENCES:** **ASTR** 10 **CHEM** 1A(L), 1B(L),12A(L),12B(L), 30A(L)^, 30B(L) **GEOG** 1 ((add **GEOG** 1L to clear lab requirement) **GEOG** 19 **GEOL** 10 (add **GEOG** 10L to clear the lab requirement) **PHYS** 3A(L), 3B(L), 4A (L)^, 4B (L)^, 4C (L)^, 10^ **PHYSC** 10^, 20			
B. BIOLOGICAL SCIENCES: **ANTHR** 1(add **ANTHR 1L** to clear lab requirement) **BIOL** 1A(L), 1B(L), 3(L), 10(L)^, 13, 13L^, 25^			
C. LABORATORY SCIENCE: One course shown with (L) in Areas 5A and 5B.			

LANGUAGE OTHER THAN ENGLISH ***(UC Requirement Only)***	**R**	**IP**	**C**
1. Completion of one course (4-5 semester units) at college level, that is considered equivalent to 2 years of high school language, with a grade of "C" or better; **OR** 2. Completion of two years of high school course work in one language other than English with a grade of "C-" or better (official transcript required); **OR** 3. Completion of two years of formal schooling at the sixth grade level or higher in an institution where the language of instruction is not English (documentation required); **OR** 4. Satisfactory score on the College Board Subject Test (formerly SAT II) in a language other than English (see a counselor for required scores); **OR** 5. Score of 3 or better on the College Board Advanced Placement Examination in a language other than English; **OR** 6. Score of 5 or better on the International Baccalaureate Higher Level Examination in a language other than English; **OR** 7. Satisfactory completion of a proficiency test administered by a community college or university in a language other than English (documentation required). Proficiency met by completed one of the following BCC courses: _____ **ARAB** 1A, 1B**; ASL** 50, 51, 52, 53; **CHIN** 1; **FREN** 1A, 1B; **PORT** 1A, 1B; **SPAN** 1A, 1B, 2A, 2B, 22A, 22B (**Note:** Courses above proficiency level may be used to meet this requirement and may also be used to clear if listed in another IGETC area) _____ Course from other college: College: _____ Course: _____(official transcript required) _____ Completed in high school **or** at institution where language of instruction is not English _____ Competency: Test name_____ Score:_____ Date:_____ _____ Proficiency Exam/Institution: _____ Score: _____ Date: _____			
AMERICAN INSTITUTIONS: U.S. History, Constitution and American Ideals ***(CSU Graduation Requirement Only)*** Any of the following combinations are acceptable: POSCI 1 **AND** HIST 7A **or** HIST 7B **Note:** Courses used to meet this requirement **may** also be used to satisfy requirement in IGETC, Area 4 (at the option of the receiving CSU campus although units are counted once *(Please see a counselor for details).*			
IGETC Completed: CSU ☐ YES UC ☐ YES **CSU Graduation Requirement American Institutions Completed:** ☐ YES			

Completion of all the requirements in the Intersegmental General Education Transfer Curriculum (IGETC) with a grade of "C" or better will permit a student to transfer from a California community college to a campus in either the California State University (CSU) or the University of California (UC) system without the need after transfer to take additional lower-division general education courses. It should be noted that completion of the IGETC is not a requirement for admission to the CSU or UC system.

The IGETC is **not advisable** for all transfer students. The IGETC is most advantageous for transfers who have not yet decided on a major or a campus. Once a student has identified a major, it is important to give priority toward fulfilling all required major preparation courses, particularly in "high unit" majors that select applicants on the basis of satisfaction of lower division major requirements. If a student is pursuing a major that requires extensive lower division preparation, they may be better served by taking courses which fulfill the CSU General Education/Breadth requirements or the general education of the specific UC campus or college to which they plan to transfer, examples of such majors include, but are NOT LIMITED to: Computer Science, Business, Engineering, Pre-professional schools, and Sciences. (Note: Students transferring to UC San Diego's Eleanor Roosevelt and Revelle Colleges may complete IGETC, but they must also meet specific general education requirements of those colleges).

Restrictions: A student who is initially enrolled at a UC and is returning to the same UC campus (after attending a community college) is considered a "readmit" and **cannot** use IGETC. However, students who initially enroll at a UC, attend a community college and return to a **different** UC campus, may be able to use IGETC, but should check with the campus they wish to attend. This restriction does not apply to students who have taken UC summer session or Extension classes only.

Certification: The "Request for Certification" form is available and can be filed in the Admissions & Records Office. Berkeley City College (Peralta Community College District) can certify either full certification (completion of all requirements in each subject-area) or partial certification (maximum of two courses missing and completed after transfer). Students are responsible for completing minimum admission requirements for the CSU and UC systems if partially certified. **Note:** UC Berkeley's College of Letters & Science requires full certification of IGETC *(See a counselor for details).* Once certification is completed student records (transcript) will reflect the full or partial certification of IGETC. Students should request certification when a final transcript is requested to be sent to their choice of CSU or UC, the term prior to transfer. Students who transfer without certification will have to meet the general education requirements of the specific UC or CSU to which they are transferring. This may require completion of additional courses after transfer.

Official transcripts of any coursework completed outside Peralta District must be on file prior or accompany the certification request. Courses taken at other California Community Colleges will be placed in the IGETC area identified by the offering college the term the course was taken. Courses taken at other colleges or universities (other than a CA Community College) may be used on IGETC as long as the courses are determined to meet IGETC course standards. Except for courses from other California Community Colleges' IGETC, coursework from other institutions will not be used to fulfill the Critical Thinking requirement, Area 1B *(See a counselor for more information).*

Students are encouraged to see a counselor by appointment to discuss transfer and the IGETC option as part of an education plan. Counselors are available by appointment through the Counseling Office.

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