

Berkeley City College

Art History

Overview

College	BCC - Liberal Arts and Social Sciences
Originator	Carolyn Martin
Award Type	AA-T Degree

Codes and Dates

State Approval Date	4/17/2019
Curriculum Committee Approval Date	2/21/2019
Board of Trustees Date	3/26/2019
Current Effective Date	8/01/2019
Program Control Number	37851
Top Code	1001.00 - Fine Arts, General
CIP Code	50.0701: Art/Art Studies, General.

Description

The Associate in Arts in Art History for Transfer Degree is designed for students planning to transfer into the art history major at CSU. Students who study art history will explore the relationship between art and architecture, artists and aesthetics, and the cultural and social context in which the art was made. The AA-T in Art History provides students with a strong foundation in the terminology and principles of the visual arts, a cross-cultural examination of historical and contemporary art, and an introduction to the techniques and media of drawing. Students who successfully complete the AA-T in Art History 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 art history 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 that are eligible for transfer to a California State University, including both of the following: (1) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements and (2) 18 semester units with a grade of C or P or better in the major and an overall minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. See page XX for a more detailed description of Associate Degrees for Transfer. Students are advised to consult with a Berkeley City College counselor for additional information and to verify transfer requirements.

Career Opportunities

Students who study art history will explore the relationship between art and architecture, artists and aesthetics, and the cultural and social context in which they were made. Studying art opens paths towards advanced studies to pursue careers which include: art educators, art historians, art administrators, art critics, graphic artist/designers, multimedia developers, museum/gallery curators, painters, photographer/photojournalists, printmakers, sculptors, video producers, animators, and - or web developers.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Identify, examine, and assess representative works of art and architecture from prehistory through contemporary art employing appropriate art historical terminology.
2. Analyze, discuss, and differentiate works of art and architecture in terms of historical context and cultural values.
3. Analyze, discuss, and differentiate the roles of art, architecture, and the artist from prehistory through contemporary art.

Degree Requirements:

Required Courses	Credit Hours: (9 Required)
ART 002 and History of Western Art from Prehistory through the Middle Ages	3
ART 003 and History of Western Art from Renaissance to Contemporary Art	3
ART 020 Beginning Drawing & Composition	3
Non-Western Art History Requirement	Credit Hours: (3 Required)
ART 016 Introduction to Islamic Art	3
Studio Art Electives. Select one course from the following:	Credit Hours: (3 Required)
ART 046 or 2-D Visual Design	3
ART 047 or 3-D Visual Design	3
ART 050 or Beginning Painting	3
MMART 003 Introduction to Digital Art	3
ART 022 Intermediate Drawing & Composition	3
Art History Electives. Select one course from the following:	Credit Hours: (3 Required)
ART 004 or History of Modern Art (1800 to Present)	3
ART 013 or History of Women in Art	3
ART 182 or Introduction to Visual Culture	3
HUMAN 030B Human Values/Aesthetics	3
Total Required Units in Major	Credit Hours: (0 Required)
Total Required Units in Major: 18	
IGETC or CSU-Breadth Education pattern and elective courses	Credit Hours: (42 Required)
Units Required: 42	

TWO-YEAR COURSE SEQUENCE BEGINNING IN THE FALL SEMESTER **Credit Hours:** (0 Required)

You can use the following pattern to complete the Associate in Arts in Art History for Transfer Degree (AA-T). This is only one possible pattern. If you wish to earn an associ

1st Semester/Fall	Credit Hours: (0 Required)
ART 002 History of Western Art from Prehistory through the Middle Ages	3
ART 020 Beginning Drawing & Composition	3
General Education Requirements	9
Total Units 1st Semester/ Fall	15

2nd Semester/ Spring		Credit Hours: (0 Required)
ART 003	History of Western Art from Renaissance to Contemporary Art	3
	Studio Art Elective	3
	General Education and Electives	9
	Total Units 2nd Semester/ Spring	15
3rd Semester/ Fall		Credit Hours: (0 Required)
	Art History Elective	3
	General Education and Electives	12
	Total Units 3rd Semester/ Fall	15
4th Semester/ Spring		Credit Hours: (0 Required)
ART 016	Introduction to Islamic Art	3
	General Education and Electives	12
	Total Units 4th Semester/ Spring	15
Total Units		Credit Hours: (0 Required)
	Total Units	60

Total: 60

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College of Alameda

Entrepreneurship

Overview

College
Originator
Award Type

COA - Career and Workforce Education
Carolyn Johnson
Certificate of Proficiency

Description

The Entrepreneurship Certificate verifies that a student has successfully completed a credit sequence of courses. This Certificate prepares students for entrepreneurship through a variety of short-term credit courses that serve several purposes: 1) development of practical skills and knowledge to successfully launch an entrepreneurial venture; 2) demonstration of necessary skills to launch a new venture including creativity, critical thinking, communication, and collaboration; 3) engaging students to identify opportunities, solve problems, build business strategies, test and validate assumptions, execute, and present; and 4) through a series of courses, that include hands on and experiential learning opportunities, develop the knowledge and skills that will serve as a springboard to start, run, or grow their own personal or family owned business.

Career Opportunities

This is a self-employment tool. Skills are transferable to careers in small business management.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Identify and utilize four key pillars to launch, grow and manage a successful business (launch, growth and management) including marketing, finance (obtaining and managing), law and ethics and operations and management.
 2. Exhibit key professional skills for entrepreneurial success: a. Leadership b. Innovation c. Creativity d. Negotiation e. Problem Solving f. Communication g. Conceptualization h. Branding (Personal and Business)
 3. Demonstrate personal attributes for entrepreneurial success: a. Enthusiasm b. Drive c. Trustworthiness and Ethics d. Productivity e. Efficiency f. Life Balance g. Collaborative h. Professional
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Degree Requirements:

Required Courses	Credit Hours:	(6 Required)
BUS 103A and Business Pitch Competition I		1
BUS 125 and Marketing Research and Testing		1
BUS 138 and Essentials of Entrepreneurship		1
LRNRE 104 and Toolkit for Entrepreneurs and Managers		1
BUS 002 and Introduction to Business Law		3

Total: 6

Berkeley City College

Film, Television, And Electronic Media

Overview

College	BCC - Business/STEM/Media Art
Originator	Mary Clarke-Miller
Award Type	AS-T Degree

Codes and Dates

State Approval Date	2/13/2017
Curriculum Committee Approval Date	2/21/2019
Board of Trustees Date	3/26/2019
Current Effective Date	8/01/2019
Program Control Number	35528
Top Code	0604.20* - Television (including combined TV/Film/Video)
CIP Code	50.0602: Cinematography and Film/Video Production.

Description

The Multimedia Arts AS-T Degree in Film, Television, and Electronic Media offers a foundation in film theory, sound, and production. The program is interdisciplinary and focuses on developing critical thinking, artistic and technical skills for careers in film and media industries. Students who successfully complete the AS-T in Film, Television, and Electronic Media 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 multimedia art 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 that are eligible for transfer to a California State University, including both of the following: (1) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements and (2) 18 semester units with a grade of C or better in the major 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.

Career Opportunities

Completion of this certificate will provide students with the coursework they need to work in video production, editing, motion graphics, audio recording and sound design, cinematography, documentary production, narrative filmmaking and film criticism.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate entry-level skills in film, television, and electronic media via completed projects.
 2. Evaluate design principles, aesthetic forms, historical context and social relevance of multimedia works.
 3. Delegate responsibilities according to various crew roles and applying collaborative communication skills in a professional setting.
-

Degree Requirements:

Required Courses (16 units)		Credit Hours: (0 Required)
MMART 122B	From Movies to Multimedia	3
MMART 110	Scriptwriting and Storyboarding	3
MM/VI 024A and	Sound Design I	2
MM/VI 024LA	Sound Design I Lab	1
MM/VI 009A	Video Production I: Introduction to Video	4
MM/VI 009C	Video Production III: Directing and Producing	3
Video Arts Electives - choose 3 units from the following:		Credit Hours: (0 Required)
MMART 468	Occupational Work Experience in Multimedia Arts	3
MM/VI 020A and	Editing I: Introduction to Video Editing	2
MM/VI 020LA	Editing I: Introduction to Video Editing Lab	1

MM/VI 020B and	Editing II: Technical Skills	2
MM/VI 020LB	Editing II: Technical Skills Lab	1
MM/VI 020C and	Editing III: Crafting a Story	2
MM/VI 020LC	Editing III: Crafting a Story Lab	1
MMART 005A	Introduction to Motion Graphics	3
HUMAN 021	Film: Art and Communication	3

Unit Calculation

Credit Hours: (60 Required)

Major Requirements	19
General Education (IGETC or CSU GE) and Electives	41

Total: 60

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Laney College

Academic Composition Skills

Overview

College	Laney - Liberal Arts
Originator	Eleni Gastis
Award Type	Certificate of Competency

Description

The Academic Composition Skills Certificate of Competency (CCy ENGL) ensures necessary skills in fundamentals of English composition and research for students enrolled in composition courses. Students who complete this program will have skills which will help them succeed in future courses that require essay writing.

Career Opportunities

This program is designed to ensure that students have academic skills required to be successful in their academic goals, which ultimately allows for success in career goals.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Write well organized, well developed, well edited, well researched, and clear essays.
-

Degree Requirements:

Core Courses

Noncredit: (52.5 - 787.5 Required)

students must complete a minimum of 52.5 hours

ENGL 508A	Academic Composition Skills: Prewriting and Organization	17.5 - 262.5
ENGL 508B	Academic Composition Skills: Paragraph Development, Analysis, & Research	17.5 - 262.5
ENGL 508C	Academic Composition Skills: Sentence Structure and Proofreading	17.5 - 262.5

Competency Requirement:

Noncredit: (0 Required)

Teacher or department will determine if student has met the competencies of the program and document it. 0

Total: 52.500 - 787.500

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Laney College

Journalism

Overview

College	Laney - Liberal Arts
Originator	Eleni Gastis
Award Type	A.A. Degree

Codes and Dates

State Approval Date	5/23/2016
Program Control Number	01150
Top Code	0602.00* - Journalism
CIP Code	09.0400: Journalism.

Description

The Journalism Department offers practical newspaper experience and academic preparation for students preparing to transfer to four-year institutions. Emphasis is placed on new technologies and preparation for media jobs in a computer-oriented society. Additional areas of study include journalism history, ethics, law, and the role of the press in our society.

Career Opportunities

Students who complete the Journalism program are prepared for careers in the expanding communications field, which includes print, online and video journalism, along with computer production skills.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Assemble a portfolio of appropriate photographs, writings, journals or digital media that reflects the skills and understanding of techniques of journalism.
2. Write news, features, and opinion pieces in newspaper style.
3. Apply media law, fact-checking and ethics to the journalistic process.

Degree Requirements:

Core Curriculum (24 units):	Credit Hours:	(0 Required)
JOURN 018A News Production I		4
JOURN 018B News Production II		4
JOURN 018C News Production III		4
JOURN 021 Newswriting		3
JOURN 062 or Survey of Mass Media		3
COMM 019 Survey of Mass Media		3
COMM 045 Public Speaking		3
GRART 032 Digital Documents (Adobe InDesign)		3
Electives: Select one class from the following (3 units):	Credit Hours:	(0 Required)
JOURN 069 Multimedia Reporting for Journalists		3
MEDIA 102A Broadcast Journalism I		3
M/SVN 082 Essentials of Managerial Communications		3
PHOTO 020 Photojournalism I		3

Total Major Units:	Credit Hours: (0 Required)	27
General Education Requirements:	Credit Hours: (0 Required)	19
Elective courses to meet 60	Credit Hours: (0 Required)	
Total Units:	Credit Hours: (60 Required)	60
	Total: 60	

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Laney College

Associate In Arts Degree For Transfer In Journalism

Overview

College	Laney - Liberal Arts
Originator	Eleni Gastis
Award Type	AA-T Degree

Codes and Dates

State Approval Date	3/27/2015
Program Control Number	33179
Top Code	0602.00* - Journalism
CIP Code	09.0401: Journalism.

Description

The Associate in Arts in Journalism for Transfer Degree (AA-T JOURN) is designed to prepare students for a seamless transfer with junior status and priority admission to their CSU campus to a program or major in Journalism or similar major for completion of a baccalaureate degree.

Students are required to complete:

- Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
 - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtainment of a minimum grade point average of 2.0. Students must earn a C or better in all courses required for the major or area of emphasis.
- No more than 60 semester units are required.

The Associate in Arts in Journalism for Transfer Degree (AA-T JOURN) will also assist Journalism major students to transfer to a U.C. or other baccalaureate institutions. Students are advised to consult with a counselor to verify transfer requirements.

Career Opportunities

Students who complete the degree seek jobs in the vast, and changing, field of communications. They become reporters, photographers, copy editors, computer production staff, webmasters as well as jobs in public relations.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Assemble a portfolio of appropriate photographs, writings, journals or digital media requiring skills and understanding of techniques of journalism.
 2. Write news, features, and opinion pieces in newspaper style.
 3. Apply media law, fact-checking and ethics to the journalistic process.
-

Degree Requirements:

Core Courses (10 units):

Credit Hours: (0 Required)

JOURN 018A	News Production I	4
JOURN 021	Newswriting	3
JOURN 062 or	Survey of Mass Media	3
COMM 019	Survey of Mass Media	3

LIST A: Select one of the following (3-4 units):**Credit Hours:** (0 Required)

JOURN 018B	News Production II	4
PHOTO 020	Photojournalism I	3
JOURN 069	Multimedia Reporting for Journalists	3

LIST B: Select two of the following (min 6 units):**Credit Hours:** (0 Required)

COMM 044	Argumentation	3
ENGL 005	Critical Thinking in Reading and Writing	3
PHIL 010	Logic	3
POSCI 001	Government and Politics in the United States	3

Credit Hours: (0 Required)

Total Major Units: 19 - 20

Credit Hours: (0 Required)

IGETC or CSU GE-Breadth Education pattern 37 - 39

Credit Hours: (0 Required)

CSU Transferrable General Elective Courses to meet 60 units

Credit Hours: (60 Required)

Total Units: 60

Total: 60

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Laney College

Music

Overview

College	Laney - Liberal Arts
Originator	John Reager
Award Type	Certificate of Achievement

Description

The Music Certificate of Achievement provides a foundation in music theory, music skills (musicianship), solo performance, and ensemble performance. These fundamental skills promote success in music careers and artistic endeavors. After completing this program, students will be able to play concerts, compose music, participate in recording sessions, or continue with their studies towards an associate degree.

Career Opportunities

Academic and Performing Careers in Music and Music Related Fields such as: Arts Administration, Music Journalism, Recording Industry, Musical Instrument Sales and Repair, Private Instruction etc.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Synthesize knowledge of performance skills, theory, and music history into an informed performance of music.
2. Demonstrate musicianship skills
3. Demonstrate a knowledge of basic music theory.

Degree Requirements:

Group 1: Music Theory-All of the following (12 units):		Credit Hours: (12 Required)
MUSIC 101	Music Theory and Culture I	3
MUSIC 102	Music Theory and Culture II	3
MUSIC 103	Music Theory and Culture III	3
MUSIC 104	Music Theory and Culture IV	3
Group 2: Musicianship (Music Skills) – All of the following (4 units):		Credit Hours: (4 Required)
MUSIC 121	Music Skills I	1
MUSIC 122	Music Skills II	1
MUSIC 123	Music Skills III	1
MUSIC 124	Music Skills IV	1
Group 3: Performance Ensemble – Select a minimum of 4 units from the following (4 units):		Credit Hours: (4 Required)
MUSIC 125	Chorus	1
MUSIC 126	Jazz Orchestra	1
MUSIC 127	Jazz Combos	1
MUSIC 128	Choral Repertoire	1
MUSIC 129	Jazz Orchestra Repertoire	1
MUSIC 142	Instrumental Ensemble	1
MUSIC 143	String Ensemble	1

MUSIC 144	Intermediate Jazz Combos	1
MUSIC 145	Advanced Jazz Combos	1
MUSIC 146	Advanced Choral Repertoire	1
MUSIC 151	Pop Music Ensemble	1

Group 4: Applied Music – Select a minimum of 4 units from the following (Credits): Hours: (4 Required)

MUSIC 105	Classic Guitar I	1
MUSIC 106	Classic Guitar II	1
MUSIC 107	Classic Guitar III	1
MUSIC 108	Classic Guitar IV	1
MUSIC 109	Beginning Winds I	1
MUSIC 110	Beginning Winds II	1
MUSIC 111	Beginning Winds III	1
MUSIC 112	Beginning Winds IV	1
MUSIC 113	Beginning Percussion I	1
MUSIC 114	Beginning Percussion II	1
MUSIC 115	Beginning Percussion III	1
MUSIC 116	Beginning Percussion IV	1
MUSIC 117	Voice I	1
MUSIC 118	Voice II	1
MUSIC 119	Voice III	1
MUSIC 120	Voice IV	1
MUSIC 130	Elementary Piano Method I	1
MUSIC 131	Elementary Piano Method II	1
MUSIC 132	Elementary Piano Method III	1
MUSIC 133	Elementary Piano Method IV	1
MUSIC 134	Intermediate Piano Literature I	1
MUSIC 135	Intermediate Piano Literature II	1
MUSIC 136	Intermediate Piano Literature III	1
MUSIC 137	Intermediate Piano Literature IV	1
MUSIC 138	Jazz Piano I	1
MUSIC 139	Jazz Piano II	1
MUSIC 140	Jazz Piano III	1
MUSIC 141	Jazz Piano IV	1

Total: 24

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Laney College

Music History

Overview

College	Laney - Liberal Arts
Originator	John Reager
Award Type	Certificate of Achievement

Description

The Music History Certificate of Achievement covers a survey of over five thousand years of music history and its relevance to today's music. Students will examine musical and social developments, major composers, technical developments, stylistic trends, and economic changes related to music. After completing this program, students will be able to teach private lessons, compose music, or continue with their studies towards an associate degree.

Career Opportunities

Music teacher, performer, recording artist, promoter, arts management, arts administration.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Analyze and examine the relationship between socio-economic forces and musical developments.
 2. Analysis of recorded musical examples.
 3. Demonstrate knowledge of major developments, people, and events of Music History.
-

Degree Requirements:

Music History (12 units)	Credit Hours: (12 Required)
MUSIC 008A and Music History: Antiquity Through the Renaissance	3
MUSIC 008B and Music History: The Baroque and Classical Eras	3
MUSIC 008C and Music History: The Romantic Era	3
MUSIC 008D and Music History: The Twentieth Century Through the Present	3

Total: 12

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Laney College

Music Industry Studies

Overview

College	Laney - Liberal Arts
Originator	John Reager
Award Type	A.A. Degree

Codes and Dates

State Approval Date	4/12/2018
Curriculum Committee Approval Date	11/03/2017
Board of Trustees Date	1/23/2018
Current Effective Date	6/18/2018
Program Control Number	36572
Top Code	1005.00* - Commercial Music
CIP Code	50.1003: Music Management.

Description

The Associate in Arts Degree in Music Industry Studies is designed for music students whose career goals are focused on the recording industry, concert promotions, and other commercial ventures. Students will explore aspects of the music production process including: recording, marketing, and distribution.

Career Opportunities

Audio Engineer, Digital Sound Editor, Small Business Entrepreneur, Concert Promoter, Manager, Event Producer, Arranger, Songwriter.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Students will employ proper audio engineering and midi techniques to produce sound recording projects.
 2. Analyze a situation in the music industry and recommend a solution or plan for improvement.
 3. Students will create original music projects.
-

Degree Requirements:

Group 1: Recording, Mastering, Sound Reinforcement, and Distribution (10 units)		Credit Hours: (0 Required)
MEDIA 150	Pro Tools: Sound Design/Aesthetics for Video, Broadcast and Digital Cinematography	3
MEDIA 155	Basic Sound Recording and Music Video	3
MEDIA 156	Advanced Music Video Production III: Mixing and Mastering	3
MUSIC 152	Live Sound	2
Group 2: Music Creation (6 units)		Credit Hours: (0 Required)
MUSIC 147	Introduction to Electronic Music and MIDI	3
MUSIC 148	Songwriting	3
Group 3: Music Business (3 units)		Credit Hours: (0 Required)
MUSIC 149	Music Business	3

Group 4: Music Theory- (3 units)**Credit Hours:** (0 Required)*Choose 1 course from the following*

MUSIC 100	Music Fundamentals and Culture	3
MUSIC 101	Music Theory and Culture I	3
MUSIC 102	Music Theory and Culture II	3
MUSIC 103	Music Theory and Culture III	3
MUSIC 104	Music Theory and Culture IV	3

Group 5: Music Performance- (1 unit)**Credit Hours:** (0 Required)*Choose 1 course from the following*

MUSIC 105	Classic Guitar I	1
MUSIC 109	Beginning Winds I	1
MUSIC 113	Beginning Percussion I	1
MUSIC 117	Voice I	1
MUSIC 121	Music Skills I	1
MUSIC 122	Music Skills II	1
MUSIC 123	Music Skills III	1
MUSIC 124	Music Skills IV	1
MUSIC 125	Chorus	1
MUSIC 126	Jazz Orchestra	1
MUSIC 127	Jazz Combos	1
MUSIC 130	Elementary Piano Method I	1
MUSIC 134	Intermediate Piano Literature I	1
MUSIC 138	Jazz Piano I	1
MUSIC 142	Instrumental Ensemble	1
MUSIC 150	Applied Music	1
MUSIC 151	Pop Music Ensemble	1

Credit Hours: (0 Required)

Total Major Units: 24

Credit Hours: (0 Required)

General Education Requirements: 19

Credit Hours: (0 Required)

Elective courses to meet 60

Credit Hours: (60 Required)

Total Units: 60

Total: 60

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Laney College

Music Theory

Overview

College	Laney - Liberal Arts
Originator	John Reager
Award Type	Certificate of Achievement

Description

The Music Theory Certificate of Achievement recognizes mastery of essential music theory. Students will employ harmonic analysis using both Roman Numeral and Alphabet Chord systems, figured-bass, voice-leading, chord construction, inversion, harmonic progression, scales, and modes, introduction to atonal theory. After completing this program, students will be to teach private lessons, compose music, or continue with their studies towards an associate degree.

Career Opportunities

Music teacher, performer, recording artist, promoter, arts management, arts administration.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Harmonic analysis: Using both Roman Numeral and Alphabet Chord systems, successful students will analyze given excerpt of music related to the Jazz repertoire.
 2. Chord construction: Successful students will explain, construct, and employ proper chord voicings, including inversions, and harmonic progressions. All common chord structures from triads to 13th chords will be included.
 3. Music Composition: Under the guidance of the instructor, successful students will compose original compositions demonstrating principals of harmony and voice leading as presented in class.
-

Degree Requirements:

Music Theory (12 units)	Credit Hours:	(12 Required)
MUSIC 101 and Music Theory and Culture I		3
MUSIC 102 and Music Theory and Culture II		3
MUSIC 103 and Music Theory and Culture III		3
MUSIC 104 Music Theory and Culture IV		3
Total: 12		

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Laney College

Jazz

Overview

College	Laney - Liberal Arts
Originator	John Reager
Award Type	Certificate of Achievement

Description

The Jazz Certificate of Achievement recognizes mastery of Jazz essential. Students will examine basic Jazz theory, performance techniques, improvisation skills, and Jazz History; Chord voicings, Alphabet System, evolution of styles from Blues and Ragtime to the present; ensemble playing techniques including: blending, tone production, chart reading, and solo improvisation. After completing this program, students will be able to play concerts, compose music, participate in recording sessions, or continue with their studies towards an associate degree.

Career Opportunities

Music teacher, performer, recording artist, promoter, arts management, arts administration.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Identify, construct, and play elements of Jazz Theory including: Chord construction, proper use of Alphabet Chord Symbols, use of Medieval church modes, diminished scales, whole tone scales, Lydian dominants, Blues scales, and melodic minor modes.
2. Jazz History: Successful students will identify, explain, and analyze concepts from the history of Jazz.
3. Performance: Successful students will synthesize their knowledge of style (Jazz history), theory (use of correct modes and chord voicings), and other improvisation techniques into live public performances.

Degree Requirements:

Group 1: Jazz History - (6 units):	Credit Hours: (6 Required)
MUSIC 015A and Jazz, Blues and Popular Music in the American Culture	3
MUSIC 015B Jazz, Blues and Popular Music in the American Culture	3
Group 2: Jazz Piano - Select a minimum of one unit from the following (1 unit):	Credit Hours: (1 Required)
MUSIC 138 or Jazz Piano I	1
MUSIC 139 or Jazz Piano II	1
MUSIC 140 or Jazz Piano III	1
MUSIC 141 Jazz Piano IV	1
Group 3: Jazz Ensemble Performance - Select a minimum of 4 units from the following (4 units):	Credit Hours: (4 Required)
MUSIC 126 or Jazz Orchestra	1
MUSIC 127 or Jazz Combos	1
MUSIC 129 or Jazz Orchestra Repertoire	1
MUSIC 144 or Intermediate Jazz Combos	1
MUSIC 145 or Advanced Jazz Combos	1

MUSIC 226

Jazz Orchestra Repertoire

1

Total: 11

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Laney College

Musicianship and Performance

Overview

College	Laney - Liberal Arts
Originator	John Reager
Award Type	Certificate of Achievement

Description

The Musicianship and Performance Certificate of Achievement recognizes mastery of essential musicianship and music skills classes and in public performances. Students will employ Solfège, melodic dictation, harmonic dictation, melodic analysis, interval recognition, key signatures, time signatures, metric modulation, poly-rhythms. After completing this program, students will be to teach private lessons, perform in concerts, or continue with their studies towards an associate degree.

Career Opportunities

Music teacher, performer, recording artist, promoter, arts management, arts administration.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Employ proper use of Solfège.
 2. Accurately take melodic and harmonic dictation.
 3. Perform in public concerts.
-

Degree Requirements:

Group 1: Music Skills All of the following (4 units):	Credit Hours: (4 Required)
MUSIC 121 and Music Skills I	1
MUSIC 122 and Music Skills II	1
MUSIC 123 and Music Skills III	1
MUSIC 124 Music Skills IV	1
Group 2: Ensemble Performance - Select a minimum of 4 units from the following (4 units):	Credit Hours: (4 Required)
MUSIC 125 or Chorus	1
MUSIC 126 or Jazz Orchestra	1
MUSIC 127 or Jazz Combos	1
MUSIC 128 or Choral Repertoire	1
MUSIC 129 or Jazz Orchestra Repertoire	1
MUSIC 142 or Instrumental Ensemble	1
MUSIC 143 or String Ensemble	1
MUSIC 144 or Intermediate Jazz Combos	1
MUSIC 145 or Advanced Jazz Combos	1
MUSIC 146 or Advanced Choral Repertoire	1
MUSIC 151 Pop Music Ensemble	1

Total: 8

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Laney College

Photography

Overview

College	Laney - Humanities, Social Sciences
Originator	Black Moon
Award Type	A.A. Degree

Codes and Dates

State Approval Date	8/06/2018
Program Control Number	36940
Top Code	1012.00* - Applied Photography
CIP Code	50.0406: Commercial Photography.

Description

The A.A. Degree in Photography prepares students for careers as commercial photographers. The program provides the visual literacy, language, and skills required within the photography industry and serves as a foundation for continued education at 4-year institutions. The program moves sequentially through a cultural/historical perspective to design courses, finishing with professionally oriented studio classes.

Career Opportunities

This program prepares for employment in commercial, industrial, technical, and scientific photographic fields. Intermediate and advanced classes emphasize the digital process prevalent in the industry. Film applications are also supported throughout the curriculum in support of the arts.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Model professional and ethical behavior while communicating with clients, management, and team members.
2. Demonstrate technical problem solving skills to determine the best solutions to creative challenges.
3. Demonstrate technical proficiency and application of photographic skills.

Degree Requirements:

Core Requirements (21 units):		Credit Hours: (0 Required)
PHOTO 020	Photojournalism I	3
PHOTO 025	Looking at Images: History and Aesthetics of Photography	3
PHOTO 030A	Beginning Photographic Art and Design	3
PHOTO 071	Introduction to Digital Photography I	3
PHOTO 074A	Beginning DSLR and Lighting for Professional Production I	3
PHOTO 075A	Intermediate DSLR and Lighting for Professional Production I	3
PHOTO 076A	Advanced Professional Photography I	3
Select 9 units from the following: (9 units):		Credit Hours: (0 Required)
PHOTO 012	Intermediate Black/White Darkroom Printing	3
PHOTO 013	Creative Darkroom: Alternative Processes	3
PHOTO 030B	Intermediate Photographic Art and Design	3

PHOTO 030C	Advanced Photographic Art and Design	3
PHOTO 072	Introduction to Digital Photography II	3
PHOTO 180	HDSLR Workflow for Digital Photography and Cinematography	3
PHOTO 011	Introduction to Black/White Film Photography	3
PHOTO 182	Introduction to Lighting for Video and Video Equipped DSLR	3
PHOTO 021	Photojournalism II	3
PHOTO 074B	Beginning DSLR and Lighting for Professional Production II	3
PHOTO 075B	Intermediate DSLR and Lighting for Professional Production II	3
PHOTO 076B	Advanced Professional Photography II	3

Total Major Units: **Credit Hours:** (0 Required) 30

General Education Courses: **Credit Hours:** (0 Required) 19

Electives to meet 60: **Credit Hours:** (0 Required)

Total Units **Credit Hours:** (60 Required) 60

Total: 60

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Laney College

Photography

Overview

College	Laney - Humanities, Social Sciences
Originator	Black Moon
Award Type	Certificate of Achievement

Codes and Dates

State Approval Date	7/19/2018
Program Control Number	21563
Top Code	1012.00* - Applied Photography
CIP Code	50.0406: Commercial Photography.

Description

The Photography Department offers the degree in developing the digital skill set required for careers in photography. The program provides a pathway from entry-level through professional curriculum. This begins with an Introduction to Digital Photography course and moves sequentially through the more cultural visual history and design classes, and on to professionally oriented studio classes and a business perspective.

In this new digital world the demand for content-rich, effective, image creation is higher than it has ever been. There is an established need to provide the special technical photographic training to shape artistic vitality with technical and aesthetic acuity for career success. Development of student facility for understanding photographic demands, the execution of image capture, and its expression for print or web usage for commercial application are a vital part of a successful future. This program allows the Photography Department to update its program of study to increase and enrich courses for a more meaningful Certificate of Achievement, an Photographic Associate of Arts Degree (AA), or both.

Career Opportunities

This program prepares for employment in commercial, industrial, technical, and scientific photographic fields. Intermediate and Advanced classes emphasize the digital process prevalent in the industry. Film applications are also supported throughout the curriculum in support of the arts.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Model professional and ethical behavior while communicating with clients, management, and team members.
2. Demonstrate technical problem solving skills to determine the best solutions to creative challenges.
3. Demonstrate technical proficiency and application of photographic skills.

Degree Requirements:

Core Curriculum (18 units):		Credit Hours:	(6 Required)
PHOTO 025	Looking at Images: History and Aesthetics of Photography		3
PHOTO 030A	Beginning Photographic Art and Design		3
PHOTO 071	Introduction to Digital Photography I		3
PHOTO 074A	Beginning DSLR and Lighting for Professional Production I		3
PHOTO 075A	Intermediate DSLR and Lighting for Professional Production I		3

PHOTO 076A Advanced Professional Photography I 3

Select courses to complete the Major units (min 6 units):

Credit Hours: (6 Required)

Select courses for a 6 unit total

PHOTO 011	Introduction to Black/White Film Photography	3
PHOTO 012	Intermediate Black/White Darkroom Printing	3
PHOTO 013	Creative Darkroom: Alternative Processes	3
PHOTO 030B	Intermediate Photographic Art and Design	3
PHOTO 030C	Advanced Photographic Art and Design	3
PHOTO 072	Introduction to Digital Photography II	3
PHOTO 180	HDSLR Workflow for Digital Photography and Cinematography	3
PHOTO 182	Introduction to Lighting for Video and Video Equipped DSLR	3
PHOTO 074B	Beginning DSLR and Lighting for Professional Production II	3
PHOTO 076B	Advanced Professional Photography II	3
PHOTO 075B	Intermediate DSLR and Lighting for Professional Production II	3

Total: 24

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Merritt College

Basic Employability Preparation

Overview

College
Originator
Award Type

Merritt - Division I
Mary Ciddio
Certificate of Accomplishment

Description

Basic Employability Preparation Program is designed to prepare students with basic English and Math skills and an awareness of the local employment market. Students will be ready to seek and obtain entry level positions that are consistent with their skills, interests and abilities or pursue further education in a specific career area.

The Basic Employability Preparation Certificate will be awarded upon satisfactory completion of the following non-credit requirements: LRNRE 561: English for Life and Career Success; LRNRE 562: Math for life and Career Success; and LRNRE 566: Career Awareness, Disability and Success.

Career Opportunities

Students will be ready to seek and obtain entry level positions that are consistent with their skills, interests and abilities or pursue further education. The certificate will be awarded once the individual has completed LRNRE 561 (English for Life and Career Success), LRNRE 562 (Math for Life and Career Success) and Lmre 566 (Career Awareness, Disability and Success).

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. 1.Communication: Demonstrate the ability to read, write and speak accurately with peers and supervisors.
 2. Compute basic mathematical functions by hand and with a calculator
 3. Identify a career plan that matches with your skills, interests and abilities by using the internet and other resources to clarify options available.
-

Degree Requirements:

		Noncredit: (0 Required)
LRNRE 561	and Basic English for Life and Career Success	52.5
LRNRE 562	and Basic Math for Life and Career Success	52.5
LRNRE 566	and Career Awareness, Disability and Success	52.5

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Merritt College

Conservation and Resource Management

Overview

College
Originator
Award Type

Merritt - Division II
Bradley Balukjian
Certificate of Achievement

Description

The Conservation and Resource Management certificate of achievement offers students a practical approach to ecological management practices. Students learn basic concepts of environmental science, are prepared for more specialized coursework, and establish minimum qualifications for entry-level employment.

Students in the Conservation and Resource Management program will:

- Build a solid foundation in the principles of ecology, and then learn to apply them to solve environmental problems.
 - Focus on habitat restoration, natural resource conservation and management, water quality and watershed analysis, outdoor education, urban planning, and vegetation surveys.
 - Participate in field trips and field-based courses to sites around the Bay Area.
 - Prepare for the following careers: Environmental educator, environmental consultant, habitat restoration technician, watershed analyst, parks maintenance technician, ranger, naturalist, ecologist.
-

Career Opportunities

Career opportunities may include: Biological scientists and technicians, conservation scientists and technicians, environmental science and protection technicians, environmental scientists and specialists, fish and game wardens, forest and conservation technicians and workers, foresters, geographers, hydrologists, museum conservators and technicians, natural science managers, soil and plant scientists, and zoologists and wildlife biologists.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Articulate the history of the conservation movement in the U.S. (with particular emphasis on California) and put the current state of natural resource management in its proper historical context.
 2. Explain basic principles of ecology and how these principles are used in management and stewardship of natural spaces.
 3. Demonstrate an understanding of how parks and other public natural spaces operate and function.
 4. Demonstrate practical field skills used in the management and stewardship of natural resources.
-

Degree Requirements:

Major Core Courses

Credit Hours: (25 Required)

BIOL 015	Environmental Biology	3
COPED 476F	Occupational Work Experience in Environmental Management and Technology	3
ENVMT 001	Environmental Careers	1
ENVMT 002	Introduction to Sustainable Environmental Systems	3
ENVMT 002L	Introduction to Sustainable Environmental Systems Lab	1
ENVMT 055	Principles of Conservation and Land Management	3
ENVMT 056	Management of Public Parks and Natural Resources	3
ENVMT 057	Park Operations Practices and Skills	4

GEOL 021	Bay Area Field Studies	1
ENVMT 012 or	Environmental Racism and Justice	3
AFRAM 038	Environmental Racism and Justice	3

Major Elective Courses**Credit Hours:** (2 Required)*Select one course for a minimum of two (2) units from the following:*

ENVMT 008	Introduction to Outdoor Education	3
ENVMT 011	Sustainable Urban and Regional Planning	3
ENVMT 014	Environmental Impact Reports	2
ENVMT 034	From Dams to Greywater: California Water Systems and Alternatives	2
ENVMT 040	From Tree to Sea: A Bay Area Environmental Cross Section	3
ENVMT 044	Introduction to Creek and Watershed Restoration: General Aspects	3
LANHT 081	Arborist Equipment Fundamentals	2

Interdisciplinary Elective Courses**Credit Hours:** (2 Required)*Select any combination of courses for a a minimum of two (2) units from the following:*

ART 166	Beginning Botanical Drawing	2
BIOL 009	Marine Biology	4
BIOL 029	Introduction to Biodiversity	4
BIOL 060A	Natural History of the Bay Area: The Local Parks	0.5
BIOL 060B	Natural History of the Bay Area: Mt. Diablo State Park	1
BIOL 060C	Natural History of the Bay Area: Herpetology	2
BIOL 061E	Natural History of the Tide Pools of the Greater Bay Area	0.5
BIOL 061G	Natural History: Mammals of the Greater Bay Area	2
BIOL 061H	Natural History of the Bay Area: Butterflies and Moths	2
BIOL 061I	Natural History of the Bay Area: Bryophytes	2
BIOL 061K	Natural History of the Bay Area: Lichens	2
BIOL 062S	Natural History of the Islands of California	2
BIOL 065F	Natural History of Tahiti (French Polynesia)	1
BIOL 080A	Raptors of Central California and the Bay Area	0.5
BIOL 080B	Bird Singing: The Ecology of Bird Songs and Identification by Ear	0.5
BIOL 080C	Fundamentals of Ornithology and Birding in Central California/Bay Area	0.5
BIOL 080D	Ecology of the California Condor	1.5
GEOG 001	Physical Geography	3
GEOL 001	Introduction to Physical Geology	4
GEOL 012	Environmental Geology	3
GEOL 021	Bay Area Field Studies	1
LANHT 002	Plant Materials: Tree ID and Culture with Lab (Day)	3
LANHT 002E	Plant Materials: Tree ID and Culture (Evening)	3
LANHT 005A	Plant Materials: Fall Native Plant ID and Culture with Lab (Day)	3
LANHT 005B	Plant Materials: Spring Native Plant ID and Culture with Lab (Day)	3
LANHT 005EA	Plant Materials: Fall Native Plant ID and Culture (Evening)	3
LANHT 005EB	Plant Materials: Spring Native Plant ID and Culture (Evening)	3
LANHT 010	Insect Pests	3

LANHT 016	Soil Management	3
LANHT 023	Plant Terminology	2.5
LANHT 045A	Mushroom Cultivation I	2
LANHT 050	Plant Taxonomy	3
NATAM 076E	California Indian Ecology on the Central Coast	1.5

Total: 29

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Merritt College

Natural History and Resources

Overview

College
Originator
Award Type

Merritt - Division II
Bradley Balukjian
Certificate of Achievement

Description

The Natural History and Resources certificate of achievement educates students on the biodiversity of the Bay Area and beyond and how that biodiversity interacts with humans in different ecosystems and scales. Coursework provides a foundation on local flora, fauna, and geology, as well as an ecosystem-driven approach to explore natural resources such as water, forests, and ecosystem services. Graduates of the program can expect to be prepared for entry-level employment in the field of natural resources and the environment.

Students in the Natural History and Resources program will:

- Discover the vast diversity of animals, plants, fungi, and microscopic organisms through courses in botany, ornithology, entomology, herpetology, and more.
 - Learn the principles of biogeography and the interplay between biology and geology.
 - Participate in field trips and field courses around the Bay Area and beyond.
 - Prepare for the following careers: Environmental educator, environmental consultant, habitat restoration technician, parks maintenance technician, ranger, biologist, curatorial assistant, or collections manager.
-

Career Opportunities

Career opportunities may include: Biological scientists and technicians, conservation scientists and technicians, environmental science and protection technicians, environmental scientists and specialists, fish and game wardens, forest and conservation technicians and workers, foresters, geographers, hydrologists, museum conservators and technicians, natural science managers, soil and plant scientists, and zoologists and wildlife biologists.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Provide an overview of the form and function of local biodiversity (flora and fauna) and understand the ecological roles of these organisms.
 2. Demonstrate an understanding of the various ecosystems and natural resources in the Bay Area and their importance.
 3. Demonstrate practical skills, such as species identification, field documentation, and environmental impact report preparation, used by professionals in the field.
-

Degree Requirements:

Major Core Courses		Credit Hours:	(15 Required)
BIOL 029	Introduction to Biodiversity		4
ENVMT 001	Environmental Careers		1
ENVMT 002	Introduction to Sustainable Environmental Systems		3
ENVMT 002L	Introduction to Sustainable Environmental Systems Lab		1
GEOG 001	Physical Geography		3
ENVMT 012 or	Environmental Racism and Justice		3
AFRAM 038	Environmental Racism and Justice		3

Major Elective Courses**Credit Hours:** (9 Required)*Select any combination of courses for a minimum of nine (9) units from the following:*

ART 166	Beginning Botanical Drawing	2
BIOL 009	Marine Biology	4
BIOL 015	Environmental Biology	3
BIOL 060A	Natural History of the Bay Area: The Local Parks	0.5
BIOL 060B	Natural History of the Bay Area: Mt. Diablo State Park	1
BIOL 060C	Natural History of the Bay Area: Herpetology	2
BIOL 061E	Natural History of the Tide Pools of the Greater Bay Area	0.5
BIOL 061G	Natural History: Mammals of the Greater Bay Area	2
BIOL 061H	Natural History of the Bay Area: Butterflies and Moths	2
BIOL 061I	Natural History of the Bay Area: Bryophytes	2
BIOL 061K	Natural History of the Bay Area: Lichens	2
BIOL 062S	Natural History of the Islands of California	2
BIOL 065F	Natural History of Tahiti (French Polynesia)	1
BIOL 080A	Raptors of Central California and the Bay Area	0.5
BIOL 080B	Bird Singing: The Ecology of Bird Songs and Identification by Ear	0.5
BIOL 080C	Fundamentals of Ornithology and Birding in Central California/Bay Area	0.5
BIOL 080D	Ecology of the California Condor	1.5
GEOL 001	Introduction to Physical Geology	4
GEOL 012	Environmental Geology	3
GEOL 021	Bay Area Field Studies	1
LANHT 002	Plant Materials: Tree ID and Culture with Lab (Day)	3
LANHT 002E	Plant Materials: Tree ID and Culture (Evening)	3
LANHT 005A	Plant Materials: Fall Native Plant ID and Culture with Lab (Day)	3
LANHT 005B	Plant Materials: Spring Native Plant ID and Culture with Lab (Day)	3
LANHT 005EA	Plant Materials: Fall Native Plant ID and Culture (Evening)	3
LANHT 005EB	Plant Materials: Spring Native Plant ID and Culture (Evening)	3
LANHT 010	Insect Pests	3
LANHT 016	Soil Management	3
LANHT 023	Plant Terminology	2.5
LANHT 045A	Mushroom Cultivation I	2
LANHT 050	Plant Taxonomy	3
NATAM 076E	California Indian Ecology on the Central Coast	1.5

Interdisciplinary Elective Courses**Credit Hours:** (2 Required)*Select any combination of courses for a minimum of two (2) units from the following:*

BIOL 015	Environmental Biology	3
COPED 476F	Occupational Work Experience in Environmental Management and Technology	3
ENVMT 005	Oakland Food Culture	3
ENVMT 008	Introduction to Outdoor Education	3
ENVMT 014	Environmental Impact Reports	2
ENVMT 034	From Dams to Greywater: California Water Systems and Alternatives	2

ENVMT 035	Introduction to Urban Agroecology	3
ENVMT 040	From Tree to Sea: A Bay Area Environmental Cross Section	3
ENVMT 044	Introduction to Creek and Watershed Restoration: General Aspects	3
ENVMT 055	Principles of Conservation and Land Management	3
ENVMT 056	Management of Public Parks and Natural Resources	3
ENVMT 057	Park Operations Practices and Skills	4
GEO 021	Bay Area Field Studies	1 - 2
LANHT 045A	Mushroom Cultivation I	2
LANHT 081	Arborist Equipment Fundamentals	2

Total: 26

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Merritt College

Urban Agroecology

Overview

College
Originator
Award Type

Merritt - Division II
Bradley Balukjian
Certificate of Achievement

Description

The Urban Agroecology certificate of achievement trains students in the skills and practices of urban agriculture, focusing on ecologically restorative food production, project planning, and small-scale enterprise development. Graduates of the program will be prepared for entry-level employment in the local urban agriculture industry or non-profit organizations.

Students in the Urban Agroecology program will:

- Learn the principles of sustainable farming and food systems in the urban environment.
 - Plan and design home, school, and community gardens and farms.
 - Find out about food production, food access in under-served communities, and public health implications of food distribution.
 - Get hands-on training to work for the following: Small-scale farm enterprises, non-profit organizations relating to food and public health, food policy organizations.
-

Career Opportunities

Career opportunities may include: Agriculture and food science technicians; farm workers and laborers; farming, fishing, and forestry supervisors; food scientists and technologists; and greenhouse and nursery workers.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Contribute to the development of locally-owned enterprises based in the production, processing, distribution, and sale of fresh foods.
 2. Develop and implement groundbreaking techniques for carrying out sustainable agriculture in conjunction with ecosystem restoration.
 3. Serve as educators in their own communities, inspiring and enabling others to contribute to our cities' health and sustainability through personal choices.
 4. Increase social equity by increasing employment, management, and ownership opportunities for the East Bay's most economically vulnerable residents.
-

Degree Requirements:

Major Core Courses

Credit Hours: (18 Required)

ENVMT 001	Environmental Careers	1
ENVMT 002	Introduction to Sustainable Environmental Systems	3
ENVMT 002L	Introduction to Sustainable Environmental Systems Lab	1
ENVMT 003	Social Issues in Agriculture	3
ENVMT 005	Oakland Food Culture	3
ENVMT 035	Introduction to Urban Agroecology	3
ENVMT 035L	Urban Agroecology Lab	1
ENVMT 012 or	Environmental Racism and Justice	3

AFRAM 038	Environmental Racism and Justice	3
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Major Elective Courses**Credit Hours:** (5 Required)*Select any combination of courses for a minimum of five (5) units from the following:*

CULIN 053	Nutrition for Culinary Professionals	3
ENVMT 016	Introduction to Healthy Community Systems	3
LANHT 028A	Permaculture Design I	3
LANHT 045A	Mushroom Cultivation I	2
LANHT 076	Edible Landscaping	3
LANHT 077	Crop Production, Marketing and Sales	1.5
NUTR 031	Food-Production Systems	3

Interdisciplinary Elective Courses**Credit Hours:** (2 Required)*Select any combination of courses for a minimum of two (2) units from the following:*

BIOL 015	Environmental Biology	3
BIOL 029	Introduction to Biodiversity	4
BIOL 060C	Natural History of the Bay Area: Herpetology	2
BIOL 061G	Natural History: Mammals of the Greater Bay Area	2
BIOL 061H	Natural History of the Bay Area: Butterflies and Moths	2
COPED 476F	Occupational Work Experience in Environmental Management and Technology	3
ENVMT 008	Introduction to Outdoor Education	3
ENVMT 011	Sustainable Urban and Regional Planning	3
ENVMT 014	Environmental Impact Reports	2
ENVMT 034	From Dams to Greywater: California Water Systems and Alternatives	2
ENVMT 040	From Tree to Sea: A Bay Area Environmental Cross Section	3
ENVMT 044	Introduction to Creek and Watershed Restoration: General Aspects	3
ENVMT 055	Principles of Conservation and Land Management	3
ENVMT 056	Management of Public Parks and Natural Resources	3
ENVMT 057	Park Operations Practices and Skills	4
GEOG 001	Physical Geography	3
GEOL 021	Bay Area Field Studies	1
LANHT 002	Plant Materials: Tree ID and Culture with Lab (Day)	3
LANHT 002E	Plant Materials: Tree ID and Culture (Evening)	3
LANHT 005A	Plant Materials: Fall Native Plant ID and Culture with Lab (Day)	3
LANHT 005B	Plant Materials: Spring Native Plant ID and Culture with Lab (Day)	3
LANHT 005EA	Plant Materials: Fall Native Plant ID and Culture (Evening)	3
LANHT 005EB	Plant Materials: Spring Native Plant ID and Culture (Evening)	3
LANHT 010	Insect Pests	3
LANHT 016	Soil Management	3
LANHT 023	Plant Terminology	2.5
LANHT 045A	Mushroom Cultivation I	2
LANHT 050	Plant Taxonomy	3
LANHT 081	Arborist Equipment Fundamentals	2
NATAM 076E	California Indian Ecology on the Central Coast	1.5

