

# Berkeley City College

## Biotechnology Laboratory Assistant

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### Overview

College	BCC - Business/STEM/Media Art
Originator	Barbara Des Rochers
Award Type	Certificate of Achievement

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### Codes and Dates

State Approval Date	6/24/2019
Curriculum Committee Approval Date	11/15/2018
Board of Trustees Date	1/08/2019
Current Effective Date	8/01/2020
Program Control Number	38228
Top Code	0430.00* - Biotechnology and Biomedical Technology
CIP Code	26.1201: Biotechnology.

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### Description

The Certificate of Achievement prepares students for entry level laboratory assistant positions in biotechnology related industry and academic laboratories. It is designed for students who are starting out in STEM, including recent high school graduates, students who are re-tooling or changing majors, and students proceeding to 4 year institutions who may want to work in a laboratory as they complete their studies.

### Career Opportunities

Entry level laboratory assistant positions in pharmaceutical and biotechnology industries and academic research laboratories.

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### Program Learning Outcomes

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

1. Demonstrate knowledge and facility with standard laboratory methods and procedures, laboratory mathematics, proper handling and disposal of hazardous materials and good laboratory practices.
  2. Demonstrate an ability to maintain a neat and readable scientific notebook, record data accurately, create and label appropriately tables and graphs and interpret results correctly.
  3. Demonstrate an ability to work independently and as a member of a team and to read and interpret protocols and standard operating procedures accurately.
  4. Demonstrate knowledge of basic concepts in chemistry and biology as they relate to biotechnology and the ethical concerns associated with recombinant DNA technologies.
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### Degree Requirements:

**Credit Hours:** (0 Required)

#### Required Courses

BIOL 010	Introduction to Biology	4
CHEM 030A	Introductory General Chemistry	4
BIOL 050A	Introductory Biotechnology with Laboratory	4
BIOL 032	Scientific Literature and Writing	3
CIS 200	Computer Concepts and Applications	1.5

**Credit Hours:** (0 Required)

*Total Units: 16.5*

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# Berkeley City College

## Digital Imaging: Digital Photography

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### Overview

College	BCC - Business/STEM/Media Art
Originator	Mary Clarke-Miller
Award Type	Certificate of Achievement

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### Codes and Dates

State Approval Date	7/01/2019
Curriculum Committee Approval Date	12/06/2018
Board of Trustees Date	1/08/2019
Current Effective Date	8/01/2020
Program Control Number	38243
Top Code	0614.60* - Computer Graphics and Digital Imagery
CIP Code	11.0803: Computer Graphics.

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### Description

The Multimedia Arts Certificates of Achievement will prepare students with key multimedia skills necessary for employment and enrichment. This certificate emphasizes digital photography.

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### Career Opportunities

firms at the entry-level, with independent consultants and in large-scale digital photography companies. Advertising Photographer, Commercial Photographer, Photo Editor, Artist, Creative Director, Creative Manager, Production Artist.

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### Program Learning Outcomes

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

1. Demonstrate knowledge of the use of digital multimedia equipment and/or software programs for creating and editing multimedia works in digital photography.
  2. Use both traditional and digital art techniques to generate creative solutions to problems and expand and transform imagery and ideas into meaningful multimedia works.
  3. Evaluate artwork with discernment, appropriate terminology, and aesthetic awareness.
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### Degree Requirements:

<b>Required Courses:</b>	<b>Credit Hours:</b> (12 Required)
MM/DI 004 and Introduction to Photoshop	2
MM/DI 004L Introduction to Photoshop Lab	1
MM/DI 020A and Introduction to Digital Photography	2
MM/DI 020LA Introduction to Digital Photography Lab	1
MM/DI 020B and Intermediate Digital Photography	2
MM/DI 020LB Intermediate Digital Photography Lab	1
MM/DI 023 and Digital Printing for Photographers	2
MM/DI 023L Digital Printing for Photographers Lab	1
<b>Elective courses: Choose 9 units from the following</b>	<b>Credit Hours:</b> (9 Required)
MM/DI 021 and Digital Photography Studio	2
MM/DI 021L Digital Photography Studio Lab	1

MM/DI 025A and	Special Projects in Digital Photography I	2
MM/DI 025LA	Special Projects in Digital Photography I Lab	1
MM/DI 025B and	Special Projects in Digital Photography II	2
MM/DI 025LB	Special Projects in Digital Photography II Lab	1
MM/DI 040A and	Introduction to Digital Printing	2
MM/DI 040LA	Introduction to Digital Printing Lab	1
MM/DI 040B and	Intermediate Digital Printing	2
MM/DI 040LB	Intermediate Digital Printing Lab	1
MM/DI 045A and	Digital Printing Studio Practice I	2
MM/DI 045LA	Digital Printing Studio Practice I Lab	1

**Total: 21**

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# Laney College

## Advanced Carpentry

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### Overview

College	Laney - Career and Technical Education
Originator	Karl Seelbach
Award Type	Certificate of Achievement

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### Description

The Advanced Carpentry Certificate of Achievement is designed to instruct students with hands on building skills and provide participation in all phases of the construction process, including traditional and new building technologies such as high performance building, sustainability and advanced manufacturing of homes. Carpentry students build new houses and/or remodel existing homes. Carpentry students can apply the Advanced Carpentry certificate to the Carpentry A.S degree as a portion of work experience needed when applying for a contractor's license or gain specific skills for home improvement.

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### Career Opportunities

Jobs as journey level carpenters, home re-modelers and general contractors.

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### Program Learning Outcomes

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

1. Communicate effectively in the technical language of the Carpentry/Construction Trades, including written, verbal and mathematical computation skills.
  2. Develop a foundation of core skills necessary to safely operate power tools and equipment used to build, repair and remodel homes to current code requirements.
  3. Analyze building components in order to determine the proper execution of construction or repair.
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### Degree Requirements:

<b>Core Courses:</b>	<b>Credit Hours:</b>	<b>(36.5 - 38.5 Required)</b>
CARP 206	High Performance Building	3.5
CARP 210	Foundation and Forms Construction	3.5
CARP 211	Beginning Carpentry	3.5
CARP 221	Finish Carpentry	3.5
CARP 223 or	CAL-OSHA 30-Hour Construction Industry Training for Carpentry	2
CARP 203	Construction Safety	1
CARP 229	Rough Framing	3.5
CARP 230	Stair Building and Framing	2
CARP 231	Roof Framing	3
CARP 232	Residential Plumbing for Carpenters	1.5
CARP 233	Residential Electrical For Carpenters	1.5
CARP 240A	Construction Rehabilitation / Kitchens	2
CARP 240B	Construction Rehabilitation / Bathrooms	2
CONMT 210	Residential Building Codes for Carpenters	3
CARP 207 or	Math for Construction Trades	3
MATH 221	Technical Mathematics	4

**Total: 36.500 - 38.500**

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# Laney College

## Basic Carpentry

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### Overview

College  
Originator  
Award Type

Laney - Career and Technical Education  
Karl Seelbach  
Certificate of Achievement

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### Description

The Basic Carpentry Certificate of Achievement is designed to instruct students with hands on building skills and provide participation in all phases of the construction process, including traditional and new building technologies such as tiny homes, modular production, sustainability, and advanced manufacturing of homes. Carpentry students build new houses and/or remodel existing homes. Carpentry students can apply the Basic Carpentry Certificate as a portion of work experience needed when applying for employment.

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### Career Opportunities

Jobs as journey level carpenters, home re-modelers and general contractors.

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### Program Learning Outcomes

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

1. Communicate effectively in the technical language of the Carpentry/Construction Trades
  2. Develop a foundation of core skills necessary to safely operate power tools and equipment used to build, repair and remodel homes to current code requirements.
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### Degree Requirements:

#### Core Course (11-12 units):

**Credit Hours:** (11 - 12 Required)

CARP 207	Math for Construction Trades	3
CARP 211	Beginning Carpentry	3.5
CARP 223 or	CAL-OSHA 30-Hour Construction Industry Training for Carpentry	2
CARP 203	Construction Safety	1
CARP 229	Rough Framing	3.5

**Total: 11.000 - 12.000**

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# Laney College

## Intermediate Carpentry

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### Overview

College  
Originator  
Award Type

Laney - Career and Technical Education  
Karl Seelbach  
Certificate of Achievement

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### Description

The Intermediate Carpentry Certificate of Achievement is designed to instruct students with hands on building skills and provide participation in all phases of the construction process, including traditional and new building technologies such as high performance building, sustainability and advanced manufacturing of homes. Carpentry students build new houses and/or remodel existing homes. Carpentry students can apply the Intermediate Carpentry Certificate as a portion of work experience needed when applying for a contractor's license or gain specific skills for home improvement.

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### Career Opportunities

Jobs as journey level carpenters, home re-modelers and general contractors.

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### Program Learning Outcomes

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

1. Communicate effectively in the technical language of the Carpentry/Construction Trades, including written, verbal and mathematical computation skills.
  2. Develop a foundation of core skills necessary to safely operate power tools and equipment used to build, repair and remodel homes to current code requirements.
  3. Analyze building components in order to determine the proper execution of construction or repair.
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### Degree Requirements:

#### Core Courses (11.5-12.5)

**Credit Hours:** (11.5 - 12.5 Required)

CARP 206	High Performance Building	3.5
CARP 210	Foundation and Forms Construction	3.5
CARP 221	Finish Carpentry	3.5
CARP 223 or	CAL-OSHA 30-Hour Construction Industry Training for Carpentry	2
CARP 203	Construction Safety	1

**Total: 11.500 - 12.500**

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# Laney College

## Math Support for Transfer

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### Overview

College  
Originator  
Award Type

Laney - Mathematics and Sciences  
Katherine Williamson  
Certificate of Competency

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### Description

The Math Support for Transfer Certificate of Competency was created to help students succeed in their transfer-level math coursework. Students will receive just in time remediation, help with transfer-level math homework, study skills strategies, and learn about healthy mind sets as needed.

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### Career Opportunities

take transfer level math courses; transfer to 4 year college

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### Program Learning Outcomes

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

1. Demonstrate competency in math: problem solving, applying equations appropriately, and/or mathematical reasoning within transfer-level math courses.
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### Degree Requirements:

#### Core Courses

*Students must complete a min of 35 hours*

MATH 504	Workforce Math	30.1 - 54.005
MATH 513	Support for Statistics	35
MATH 515	Support for Pre-Calculus	35
MATH 516	Support for Trigonometry	17.5

**Noncredit:** (117.6 - 141.575 Required)

#### Competency Requirement:

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

**Noncredit:** (0 Required)

**Total: 117.600 - 141.575**

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# Laney College

## Music History

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### Overview

College  
Originator  
Award Type

Laney - Liberal Arts  
John Reager  
Certificate of Achievement

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### 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.

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### Career Opportunities

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

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### 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. Analyze recorded musical examples for historical relevance.
  3. Distinguish major developments, people, and events of Music History.
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### Degree Requirements:

#### Music History (12 units)

**Credit Hours:** (12 Required)

MUSIC 008A	Music History: Antiquity Through the Renaissance	3
MUSIC 008B	Music History: The Baroque and Classical Eras	3
MUSIC 008C	Music History: The Romantic Era	3
MUSIC 008D	Music History: The Twentieth Century Through the Present	3

**Total: 12**

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# Laney College

## Associate Of Arts Degree In Philosophy For Transfer

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### Overview

College	Laney - Humanities, Social Sciences
Originator	Sara Tesfai
Award Type	AA-T Degree

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### Codes and Dates

State Approval Date	5/26/2015
Curriculum Committee Approval Date	2/07/2014
Board of Trustees Date	3/24/2014
Current Effective Date	8/24/2015
Program Control Number	33289
Top Code	1509.00 - Philosophy
CIP Code	38.0101: Philosophy.

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### Description

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

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### Career Opportunities

This general concentration forms an excellent basis for a broad liberal arts education and has been the chosen mode of preparation for successful careers in such diverse areas as university teaching, government, education, medicine, consulting, publishing, business, and finance.

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### Program Learning Outcomes

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

1. Demonstrate an ability to articulate and critically engage with core philosophical positions.
  2. Demonstrate an ability to conduct a cogent argument with a clear thesis that anticipates and responds to key objections.
  3. Demonstrate an ability to conduct philosophical research using primary and secondary sources.
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## Degree Requirements:

### Required Core Course (9 units):

HUMAN 030A or	Human Values/Ethics	Credit Hours:	(0 Required)	3
PHIL 001	Introduction to Philosophy			3
PHIL 010	Logic			3
PHIL 020A or	History of Ancient Greek Philosophy			3
PHIL 020B	History of Modern European Philosophy			3

### Select three of the following (9 Units):

*(can use any of the above courses not already used)*

PHIL 002	Social and Political Philosophy	Credit Hours:	(0 Required)	3
PHIL 004	Philosophy of Religion			3
PHIL 037	Introduction to Asian Philosophy			3
PHIL 006	Introduction to the Philosophy of Self and Emotions			3
PHIL 014	Introduction to the Philosophy of Death			3

### Total Major Units

18

Credit Hours: (0 Required)

### IGETC or CSU GE-Breadth requirements (37-39 units)

37 - 39

Credit Hours: (0 Required)

### CSU Transferable General Elective Courses to meet 60 units

Credit Hours: (60 Required)

**Total: 60**

# Laney College

## Carpentry

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### Overview

College	Laney - Career and Technical Education
Originator	Karl Seelbach
Award Type	Certificate of Achievement

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### Codes and Dates

State Approval Date	7/26/2018
Curriculum Committee Approval Date	4/20/2018
Board of Trustees Date	6/12/2018
Current Effective Date	1/01/2019
Program Control Number	21554
Top Code	0952.10* - Carpentry
CIP Code	46.0201: Carpentry/Carpenter.

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### Description

The program is designed to instruct students with hands on building skills and provide participation in all phases of the construction process, including traditional and new building technologies such as high performance building, sustainability and advanced manufacturing of homes. Carpentry students build new houses and/or remodel existing homes. Carpentry students can apply the Carpentry Certificate as a portion of work experience needed when applying for a contractors license or gain specific skills for home improvement.

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### Career Opportunities

Jobs as journey level carpenters, home re-modelers and general contractors.

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### Program Learning Outcomes

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

1. Communicate effectively in the technical language of the Carpentry/Construction Trades
  2. Develop a foundation of core skills necessary to safely operate power tools and equipment used to build, repair and remodel homes to current code requirements.
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### Degree Requirements:

#### Core Courses (22-23 units):

CARP 206      High Performance Building

#### Credit Hours: (22 - 23 Required)

3.5

CARP 210	Foundation and Forms Construction	3.5
CARP 211	Beginning Carpentry	3.5
CARP 223	CAL-OSHA 30-Hour Construction Industry Training for Carpentry	2
CARP 229	Rough Framing	3.5
CARP 232	Residential Plumbing for Carpenters	1.5
CARP 233	Residential Electrical For Carpenters	1.5
CARP 207 or	Math for Construction Trades	3
MATH 221	Technical Mathematics	4

**Total: 22.000 - 23.000**

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# Laney College

## Latin American Native / Indigenous Languages and Cultures for Interpretation

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### Overview

College	Laney - Liberal Arts
Originator	Arturo Davila-Sanchez
Award Type	Certificate of Completion

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### Description

Introduction to contemporary Nuaatl language and culture through the context of daily live activities: Listening, speaking, reading, and writing, knowledge of language structure, historical context and readings from contemporary and classical Nuaatl, understanding of different dialects spoken today in Mexico. Students require to complete 16 units to receive the Nuaatl Language and Culture certificate.

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### Career Opportunities

The recent immigration movements have come from indigenous communities from Mexico and Central America. Many people speak and indigenous language (Nuaatl, Mayan, Zapotec). There is a need for translators to receive them and serve them. Many universities and colleges have integrated indigenous languages to their curricula and summer programs.

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### Program Learning Outcomes

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

1. Demonstrate oral competence in the targeted Indigenous language (Nuaatl).
  2. Demonstrate written competence in the targeted Indigenous language (Nuaatl).
  3. Analyze and interpret pre-colonial, colonial, and contemporary testimonies, documents and texts given or written in the targeted Indigenous language (Nuaatl).
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### Degree Requirements:

Required Core		Noncredit:	(157.5 Required)
SPAN 533A	Beginning Conversational Nuaatl		52.5
SPAN 533B	Intermediete Conversational Nuaatl		52.5
SPAN 533C	Advanced Conversational Nuaatl		52.5
			<b>Total: 157.5</b>

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# Berkeley City College

## Social Media Storytelling

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### Overview

College	BCC - Business/STEM/Media Art
Originator	Rachel Simpson
Award Type	Certificate of Achievement

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### Codes and Dates

State Approval Date	7/01/2019
Curriculum Committee Approval Date	2/07/2019
Board of Trustees Date	3/26/2019
Current Effective Date	8/01/2020
Program Control Number	38245
Top Code	0612.20* - Film Production
CIP Code	50.0602: Cinematography and Film/Video Production.

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### Description

Berkeley City College's Social Media Storytelling Certificate of Achievement prepares students for entry-level jobs with social media titles that require skills in video production, sound or video editing, and photography and copywriting, and also provides upgraded skills for those already employed in multimedia or film related jobs. The program focuses on developing artistic, critical thinking, basic marketing knowledge, equipment and computer skills.

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### Career Opportunities

Completion of this certificate will provide students with the coursework they need to work in entry level social media positions such as copywriters, content managers, content creators or producers, event or project coordinators, editors.

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### Program Learning Outcomes

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

1. Demonstrate an appropriate knowledge using digital multimedia equipment and software programs to create and edit multimedia works for social media applications.
  2. Evaluate artwork with discernment, appropriate terminology, and aesthetic awareness for social media or marketing applications; create projects intended for a professional portfolio.
  3. Work in environments modeled after a real-world workplaces by building teams and leading them and/or taking direction from a project leader.
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### Degree Requirements:

#### Required Courses (16 units)

**Credit Hours:** (0 Required)

#### Program Courses

MM/VI 009A	Video Production I: Introduction to Video	4
MM/VI 020A and	Editing I: Introduction to Video Editing	2
MM/VI 020LA	Editing I: Introduction to Video Editing Lab	1
BUS 070	Introduction to Marketing	3
MM/VI 016	Social Media Storytelling	3
MM/VI 017 or	Social Media Production	3
MM/MW 004A and	Social Media Marketing and Data Analytics	2
MM/MW 004LA	Social Media Marketing and Data Analytics Lab	1



**Choose 3 units from the following:****Credit Hours:** (0 Required)

MM/VI 024A and	Sound Design I	2
MM/VI 024LA	Sound Design I Lab	1
MM/DI 004 and	Introduction to Photoshop	2
MM/DI 004L	Introduction to Photoshop Lab	1
MM/VI 025	Sound Recording and Audio Production	1.5
MM/VI 015	Documentary Production and Editing	3
MM/VI 009B	Video Production II: Cinematography and Visual Storytelling	3
MM/VI 041	Introduction to Cinematography	1.5
MM/VI 042	Introduction to Motion Picture Lighting	1.5
MMART 110	Scriptwriting and Storyboarding	3
MMART 005A	Introduction to Motion Graphics	3
MM/VI 009C	Video Production III: Directing and Producing	3
ENGL 014	Non-Fiction Writing	3
MMART 468	Occupational Work Experience in Multimedia Arts	3

**Unit Calculation****Credit Hours:** (19 Required)**Total: 19**

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