Multimedia Technology - Associate of Applied Science Degree

Assessment testing is required for all students. Students who are reading at college-level and place into CCR 093 or above and MAT 050 or above may begin this program of study. Students scoring below this level should consult with a faculty member before registering for courses in this program of study. A grade of "C" or above must be earned for each course required for the degree.

Multimedia Technology - Areas of Concentration

Animation

Code: F_AAS_MMT1,MTA Campus: Boulder County and Westminster

This degree prepares students for entry-level positions dealing with the production of interactive presentations, medical illustration, gaming, web animation and cartooning. Students develop a high level of technical proficiency through the use of multiple software programs for creating, composing, and displaying animation designs for various media. They also develop solid design skills through training in traditional graphic design concepts and the integration of design principles throughout the curriculum.

Core classes focus on helping students learn industry standard software in illustration, photo manipulation, web graphics, animation and 3D modeling, and digital video production. Electives allow students to focus on desired design skills to gain an understanding of the application of web design, digital video production, and specific drawing skills. Students work independently and in collaborative groups in the design and implementation of mixed media presentations and applications.

This degree requires the use of a computer for prolonged periods of time during class and lab, analytical and creative abilities, and basic computer skills to begin the program.

Assessment testing is required for all students. Students who are reading at the college level and place into CCR 093 or above and MAT 050 or above may begin this program of study.

REQUIRED COURSES	***CREDITS***
MGD 102 Introduction to Multimedia (or MGD 117 Introduction to Visual Communication)	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 133 Graphic Design I	3
MGD 143 Web Motion Graphic Design I	3
MGD 152 Digital Animatics	3
MGD 153 3D Animation I	3
MGD 165 After Effects I	3
MGD 167 Game Design I	3
MGD 211 Adobe Photoshop II	3
MGD 253 3D Animation II	3
MGD 289 Capstone	3
Total Required Credits	***36***
REQUIRED ELECTIVE COURSES	***CREDITS***
Select 3 courses from the following:	
ART 221 Drawing II	3
ART 127 Landscape Drawing I	3
ART 128 Figure Drawing I	3
COM 115 Public Speaking	3
MGD 116 Typography I	3
MGD 121 Painter for Digital Media	3
MGD 134 Drawing for Illustrators	3
MGD 141 Web Design I	3
MGD 164 Digital Video Editing I	3
MGD 212 Adobe Illustrator II	3
MGD 241 Web Design II	3
MGD 243 Web Motion Graphics II	3
MGD 258 Web Design Production	3
MGD 264 Digital Video Editing II	3
or any other MGD class(es)	3-9

Total Elective Credits	***9***
REQUIRED GENERAL EDUCATION COURSES	***CREDITS***
ART 121 Drawing I	3
ART 131Visual Concepts 2-D Design	3
ENG 121 English Composition I or ENG 131 Technical Writing I (or ENG 131 Technical Writing I or higher English)	3
MAT 107 Career Mathematics (or MAT 120 Mathematics for the Liberal Arts – 4 credits or higher math)	3
Natural & Physical Sciences or Social Science Elective*	3
Total Required General Education Credits	***15***
Total Required Credits for AAS Degree	**60**

*Note: * Electives must be selected from the Approved General Education Electives List for the AAS degree.*

Graphic Design

Code: F_AAS_MMTI Campus: Boulder County and Westminster

This area of concentration prepares students for entry-level positions in print as digital artists, graphic artists, and graphic designers. Students develop a high level of technical proficiency through the use of multiple software programs for creating, composing, and displaying designs for print and other media presentation.

Core courses focus on assisting students in learning industry standard software in illustration, photo manipulation, 3D modeling, and pre-press skills needed for print. Program electives allow students to focus on specific design and software skills.

Students work independently, as well as in collaborative groups in the design and implementation of mixed media presentations and applications.

This degree requires the extensive use of a computer for prolonged periods of time during class and lab, analytical and creative abilities, and basic computer skills to begin the program.

Assessment testing is required for all students. Students who are reading at the college level and place into CCR 093 or above and MAT 050 or above may begin this program of study. A grade of "C" or above must be earned for each course required for the degree.

REQUIRED COURSES	***CREDITS***
MGD 102 Introduction to Multimedia (or MGD 117 Introduction to Visual Communication)	3
MGD 103 Production Design	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 114 Adobe InDesign	3
MGD 116 Typography I	3
MGD 133 Graphic Design I	3
MGD 202 Point of Purchase Package Design	3
MGD 203 Design and Concept	3
MGD 211 Adobe Photoshop II (or MGD 212 Adobe Illustrator II)	3
MGD 233 Graphic Design II	3
MGD 289 Capstone (or MGD 256 Graphic Design Production)	3

Total Required Credits	***36***
REQUIRED ELECTIVE COURSES	***CREDITS***
Select 9 credits from the following:	
ART 111 Art History: Ancient to Medieval	3
ART 112 Art History: Renaissance to Modern	3
ART 139 Digital Photo I *(or ART 138 Film Photography I)*	3
ART 207 Art History - 1900 to Present	3
ART 245 Digital Photo Studio	3

(or ART 145 Digital Darkroom)	
COM 115 Public Speaking	3
JOU 221 Newspaper Design I	3
MAR 216 Principles of Marketing	3
MAR 220 Principles of Advertising	3
MGD 211 Adobe Photoshop II	3
MGD 212 Adobe Illustrator II	3
or any other MGD class(es)	3-9
Total Required Elective Credits	***9***
REQUIRED GENERAL EDUCATION COURSES	***CREDITS***
ART 121 Drawing I	3
ART 131 Visual Concepts 2-D Design	3
ENG 121 English Composition I (or ENG 122 English Composition II) (or ENG 131 Technical Writing I)	3
MAT 107 Career Mathematics *or higher math*	3
Science or Social Science Elective*	3
Total Required General Education Credits	***15***
Total Required Credits for AAS Degree	**60**

*Note: * Electives must be selected from the Approved General Education Electives List for the AAS degree.*

Video

Code: F_AAS_MMT1, MGDV Campus: Boulder County and Westminster

This area of concentration prepares students for entry-level positions as videographer, video editor, web designers, and motion graphic artists. In addition to developing a high level of technical proficiency through the use of multiple software programs, students also develop traditional video and animation concepts and skills within the curriculum.

Core courses focus on assisting students in learning industry standard software in illustration, photo manipulation, web graphics, animation, sound, special effects, and digital video production. Electives allow students to focus on more specific design and software skills.

Students work independently as well as in collaborative groups in the design and implementation of mixed media presentations and applications.

This degree requires the extensive use of a computer for prolonged periods of time during class and lab, analytical and creative abilities, and basic computer skills to begin the program.

Assessment testing is required for all students. Students who are reading at the college level and place into CCR 093 or above and MAT 050 or above may begin this program of study. A grade of "C" or above must be earned for each course required for the degree.

REQUIRED COURSES	***CREDITS***
MGD 102 Introduction to Multimedia (or MGD 117 Introduction to Visual Communication)	3
MGD 104 Videography	3
MGD 111 Adobe Photoshop I	3
MGD 116 Typography I	3
MGD 141 Web Design I	3
MGD 163 Sound Design I	3
MGD 164 Digital Video Editing I	3
MGD 165 After Effects I	3
MGD 143 Web Motion Graphic Design I	3
MGD 264 Digital Video Editing II	3
MGD 204 Videography II	3
MGD 289 Capstone	3
Total Required Credits	***36***
REQUIRED ELECTIVE COURSES	***CREDITS***
Select 3 courses from the following:	
ART 111 Art History: Ancient to Medieval	3
MAR 216 Principles of Marketing	3

MAR 220 Principles of Advertising	3
MGD 112 Adobe Illustrator I	3
MGD 211 Adobe Photoshop II	3
MGD 212 Adobe Illustrator II	3
or any other MGD class(es)	3-9
Total Required Elective Credits	***9***
REQUIRED GENERAL EDUCATION COURSES	***CREDITS***
ART 121 Drawing I	3
ART 131 Visual Concepts 2-D Design	3
ENG 121 English Composition I (or ENG 122 English Composition II (or ENG 131 Technical Writing I)	3
MAT 107 Career Mathematics *or higher math*	3
Science or Social Science Elective*	3
Total Required General Education Credits	***15***
Total Required Credits for AAS Degree	**60**

*Note: * Electives must be selected from the Approved General Education Electives List for the AAS degree.*

Web Media

Code: F_AAS_MMT1,MTW Campus: Boulder County and Westminster

This area of concentration prepares students for entry-level positions as web designers, digital artists, motion graphic artists, and graphic designers. In addition to developing a high level of technical proficiency through the use of multiple software programs, students also develop traditional graphic design concepts and skills within the curriculum.

Core courses focus on assisting students in learning industry standard software in illustration, photo manipulation, web graphics, animation and 3D modeling, and digital video production. Electives allow students to focus on more specific design and software skills.

Students work independently as well as in collaborative groups in the design and implementation of mixed media presentations and applications.

This degree requires the extensive use of a computer for prolonged periods of time during class and lab, analytical and creative abilities, and basic computer skills to begin the program.

Assessment testing is required for all students. Students who are reading at the college level and place into CCR 093 or above and MAT 050 or above may begin this program of study. A grade of "C" or above must be earned for each course required for the degree.

REQUIRED COURSES	***CREDITS***
MGD 102 Introduction to Multimedia (or MGD 117 Introduction to Visual Communication)	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 133 Graphic Design I	3
MGD 141 Web Design I	3
MGD 143 Web Motion Graphic Design I	3
MGD 164 Digital Video Editing I	3
MGD 211 Adobe Photoshop II	3
MGD 241 Web Design II	3
MGD 243 Web Motion Graphics II	3
MGD 258 Web Design Production *(or MGD 289 Capstone)*	3
MGD 264 Digital Video Editing II	3
Total Required Credits	***36***
REQUIRED ELECTIVE COURSES	***CREDITS***
Select 9 credits from the following:	
ART 112 Art History: Renaissance to Modern	3
COM 115 Public Speaking	3
CSC 240 Java Programming	3

CWB 110 Complete Web Authoring	3
CWB 205 Complete Web Scripting	3
CWB 206 Web Database	3
MAR 216 Principles of Marketing	3
MAR 217 E-Commerce Marketing	3
MAR 220 Principles of Advertising	3
MAR 222 Implementing E-Commerce	3
MGD 114 Adobe InDesign	3
MGD 116 Typography	3
or any other MGD class(es)	3-9
Total Required Elective Credits	***9***
REQUIRED GENERAL EDUCATION COURSES	***CREDITS***
ART 121 Drawing I	3
ART 131 Visual Concepts 2-D Design	3
ENG 121 English Composition I (or ENG 122 English Composition I) (or ENG 131 Technical Writing I)	3
MAT 107 Career Mathematics *or higher math*	3
Science or Social Science Elective*	3
Total Required General Education Credits	***15***
Total Required Credits for AAS Degree	**60**

*Note: * Electives must be selected from the Approved General Education Electives List for the AAS. degree.*

GAINFUL EMPLOYMENT DISCLOSURE INFORMATION

The U.S. Department of Education requires colleges to disclose a variety of information for any financial-aid-eligible program that "prepares students for gainful employment in a recognized occupation." The information provided here is the best available to us but represents one year's data only. We hope that this information is helpful to our current students and to prospective students as they make their career and educational choices. For more Gainful Employment information, please go to the FRCC website: www.frontrange.edu/GainfulEmployment.

Multimedia Technology - Certificates

Students may earn certificates in animation, digital imaging, graphic design, multimedia general, multimedia print/presentation, and multimedia web. While software use and design principles are included in the certificate, entry-level positions may require additional design training.

These certificates require the extensive use of a computer for prolonged periods of time during class and lab, analytical and creative abilities, and basic computer skills to begin the program.

Assessment testing is required for all students. Students who are reading at the college level and place into CCR 093 or above and MAT 050 or above may begin this program of study. A grade of "C" or above must be earned for each course required for the degree.

Animation Certificate

Code: F_CER_MMA
Campus: Boulder County and Westminster

REQUIRED COURSES	***CREDITS***
MGD 102 Introduction to Media (or MGD 117 Introduction to Visual Communication)	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 152 Digital Animatics	3
MGD 153 3D Animation I *(or MGD 143 Web Motion Graphic Design I)*	3
MGD 165 After Effects I *(or MGD 143 Web Motion Graphic Design I)*	3
MGD 167 Game Design I	3
MGD 211 Adobe Photoshop II	3
MGD 253 3D Animation II	3
MGD 257 Animation Production *(or MGD 289 Capstone)*	3

Total Required Credits for Certificate	**30**

Digital Imaging Certificate

Code: F_CER_MMDI
Campus: Larimer

This certificate is designed for entry-level positions in digital photo labs, newspaper photo departments, and graphic design production.

REQUIRED COURSES	***CREDITS***
ART 138 Film Photography I *(or ART 139 Digital Photography I)*	3
ART 139 Digital Photography I *(or ART 239 Digital Photography II)*	3
ART 140 Color Photography I	3
ART 145 Digital Darkroom *(or ART 245 Digital Photo Studio)*	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 117 Introduction to Visual Communications *(or MGD 102 Introduction to Multimedia)*	3
MGD 133 Graphic Design I *(or MGD 114 Adobe InDesign)*	3
MGD 211 Adobe Photoshop II	3
MGD 280 Internship	2
MGD 289 Capstone	1
Total Required Credits for Certificate	**30**

Graphic Design Technician Certificate

Code: F_CER_GRD1 Campus: Larimer and Boulder County

This certificate is designed for entry-level positions in print production, graphic design, and newspaper production.

REQUIRED COURSES	***CREDITS***
ART 121 Drawing I	3
ART 131 Visual Concepts 2-D Design	3
ART 138 Film Photography I *(or ART 139 Digital Photography I)*	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 116 Typography I	3
MGD 133 Graphic Design I *(or MGD 114 Adobe InDesign)*	3
MGD 211 Adobe Photoshop II	3
MGD 233 Graphic Design II	3
MGD 280 Internship	2
MGD 289 Capstone	1
Total Required Credits for Certificate	**30**

Multimedia General Certificate

Code: F_CER_MMTG
Campus: Boulder County and Westminster

REQUIRED COURSES	***CREDITS***
MGD 102 Introduction to Multimedia (or MGD 117 Introduction to Visual Communication)	3
MGD 103 Production Design	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 114 Adobe InDesign	3
MGD 141 Web Design I	3

MGD 143 Web Motion Graphic Design I *(or MGD 153 3D Animation I)*	3
MGD 211 Adobe Photoshop II	3
MGD 212 Adobe Illustrator II	3
MGD 256 Graphic Design Production *(or MGD 289 Capstone)*	3
Total Required Credits for Certificate	**30**

Multimedia Graphic Design Certificate

Code: F_CER_MMMP_03
Campus: Boulder County and Westminster

REQUIRED COURSES	***CREDITS***
MGD 103 Production Design	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 114 Adobe InDesign	3
MGD 116 Typography I	3
MGD 133 Graphic Design I	3
MGD 211 Adobe Photoshop II	3
MGD 212 Adobe Illustrator II	3
MGD 203 Design and Concept	3
MGD 256 Graphic Design Production *(or MGD 289 Capstone)*	3
Total Required Credits for Certificate	**30**

Multimedia Video Certificate

Code: F_CER_VDO
Campus: Westminster and Boulder County

REQUIRED COURSES	***CREDITS***
MGD 104 Videography	3
MGD 111 Adobe Photoshop I	3
MGD 116 Typography I	3
MGD 143 Motion Graphic Design I	3
MGD 163 Sound Design I	3
MGD 164 Digital Video Editing I	3
MGD 165 After Effects I	3
MGD 204 Videography II	3
MGD 243 Web Motion Graphic Design II	3
MGD 264 Digital Video Editing II	3
Total Required Credits for Certificate	**30**

Multimedia Web Certificate

Code: F_CER_MMMW
Campus: Boulder County and Westminster

REQUIRED COURSES	***CREDITS***
MGD 102 Introduction to Multimedia (or MGD 117 Introduction to Visual Communication or MGD 114 Adobe InDesign)	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 141 Web Design I	3
MGD 143 Web Motion Graphic Design I	3
MGD 164 Digital Video Editing I	3
MGD 211 Adobe Photoshop II	3
MGD 241 Web Design II	3

MGD 243 Web Motion Graphic Design II	3
MGD 258 Web Design Production *(or MGD 289 Capstone)*	3
Total Required Credits for Certificate	**30**