

The Multimedia-Gaming-Design, Photography and Journalism Departments use state of the art equipment and have four classroom instructional labs with 16 - 24 workstations in each classroom. The MGD/PHO/JOU Student Computer Lab allows you to work outside the classroom with the same applications that are used in the classrooms. The computers in MGD, PHO and JOU are the fastest available. Currently, the labs are equipped with Intel Power Macs, which allow students to choose between operating systems, the computers are loaded with both Windows 7 and Macintosh OSX. Peripheral devices are also available, including color output, black and white output, flatbed scanners, 3D digital scanner, Wacom tablets and video capture stations.

The MGD/PHO/JOU Department also has two darkrooms for the use of MGD/PHO/JOU students. The department has several film, digital, and digital video cameras which students may use on a 48-hour check-out basis.

Red Rocks Community College offers both associate degrees and certificates in the MGD/PHO/JOU programs. If you plan to transfer to a baccalaureate institution, you should consider the Associate of General Studies. The certificate programs and associate of applied science degrees will prepare you to enter the work force upon graduation.

Degrees: Associate of Applied Science

Graphic Design & Print Production
Video Production
Motion Graphics Animation
Game Design & Development
Web Design & Development
Professional Photography: Traditional Film
Professional Photography: Digital Photography
Professional Photography: Traditional Film and Digital Photography
Digital Media Journalism (pending approval)
3D Design and Animation (pending approval)
Interactive Training and Simulation (pending approval)

Degrees: Associate of General Studies – MSCD

Graphic Design/Print Production
Video Production
Motion Graphics and Animation

Degrees: Associate of General Studies – RMCAD

Graphic Design

Certificates:

Graphic Design & Print Production
Video Production
Motion Graphics and Animation
Game Arts
Web Design
Advanced Web Design
Professional Photography: Traditional Film
Professional Photography: Digital Photography
Professional Photography: Traditional Film and Digital Photography
Digital Media Journalism (pending approval)
Interactive Training and Simulation (pending approval)
3D Design and Animation (pending approval)

Recommended General Education Courses for AAS in MGD/PHO/JOU:

Mathematics			
MAT	107	Career Math	3
Humanities			
ART	149	Animation Drawing/Design or *ART 121 Drawing I or ART 139 Digital Photography I	3
English			
ENG	131	Technical Writing	3
General Education Elective			
ART	131	Visual Concepts 2-D Design* or ART 132 Visual Concepts 3-D Design*	3

*ART 121 and ART 131 or ART 132 may be used to fulfill one humanities and the General Education course electives. You may substitute MGD/PHO advisor approved-classes if ART 121, and 131 or 132 are used to fulfill the General Education Course Requirements.

AAS Degree

Emphasis in Graphic Design & Print Production

The Graphic Design/Print Production emphasis within the Multimedia Graphic Design Department prepares you to work in the traditional graphic design and printing industries. You will develop designs for electronic production for both digital and traditional press. In addition, you will learn design techniques for packaging and point of sale and other forms of print media. Printing press technology is also addressed.

Required Courses	Credits
ART 121 Drawing I* or ART 149 Animation Drawing/Design	3
ART 131 Visual Concepts 2-D Design*	3
MGD 101 Introduction to Computer Graphics	3
MGD 103 Introduction to Production Design	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 114 Adobe InDesign	3
MGD 118 Digital Color Theory or MGD 116 Typography I	3
MGD 121 Painter for Digital Media or MGD 216 Adobe Acrobat Professional	3
MGD 202 Point of Purchase Packaging Design or MGD 212 Adobe Illustrator II	3
MGD 211 Adobe Photoshop II	3
MGD 213 Electronic Prepress	3
MGD xxx Business for Creatives or MGD 280 Internship or MGD 289 Capstone	3

MGD/PHO Advisor Approved Electives 6

Recommended MGD Electives:

MGD 141 Web Design I: Dreamweaver	3
MGD 143 Motion Graphic Design I: Adobe Flash	3
JOU 225 Internet Media	3
ART 139 Digital Photography I*	3

General Education Courses (See AAS Degree Requirements page 24) 15

*ART 121 and ART 132 or ART 139 may be used to fulfill one Humanities and the General Education Elective. Students may substitute additional MGD/PHO classes if ART 121 and ART 132 or ART 139 are used for the Humanities and General Education Course Requirements.

Total Credits 60

AAS Degree

Emphasis in Video Production

The video production emphasis within the Multimedia Graphic Design Department prepares you for work in video and DVD production. You are exposed to many exciting aspects of video production, such as sound and digital editing, as well as motion graphics.

MGD Advisor: Thomas Harrop, thomas.harrop@rrcc.edu

Required Courses	Credits
MGD 101 Introduction to Computer Graphics or MGD 102 Introduction to Multimedia	3

MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 104 Videography I	3
MGD 143 Motion Graphic Design I: Adobe Flash	3
MGD 152 Digital Animatics	3
MGD 163 Sound Design I: Apple Logic Pro	3
MGD 164 Digital Video Editing I: Final Cut Pro	3
MGD 165 Adobe After Effects I	3
MGD 204 Videography II	3
MGD 263 Sound Design II: Apple Logic Pro	3
MGD 264 Digital Video Editing II: Final Cut Pro	3
MGD xxx Business for Creatives or MGD 280 Internship or MGD 289 Capstone	3

MGD/PHO Advisor Approved Electives 6

Recommended MGD Electives:

MGD 265 Adobe AfterEffects II	3
MGD 121 Painter for Digital Media	3
ART 139 Digital Photography*	3
ART 149 Animation Drawing and Design*	3
MUS 105 Intro to Electronic/Computer Music*	3

General Education Courses (See AAS Degree Requirements page 24) 15

*ART 139 and/or MUS 105 may be used to fulfill one Humanities and the General Education Elective Course Requirements.

Total Credits 60

AAS Degree

Emphasis in Motion Graphics Animation

The motion graphics animation emphasis within the Multimedia Graphic Design Department prepares you to work in digital 2D modeling environments. You will combine traditional artistic skills of drawing and design with digital storyboarding, animation, sound, and special effects training. You will combine these skills to produce complex 2D animation projects.

Required Courses	Credits
ART 149 Animation Drawing and Design* or ART 121 Drawing I*	3
ART 131 Visual Concepts: 2D Design* or ART 128 Figure Drawing*	3
MGD 129 History of Animation	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 142 2D Animation Production	3
MGD 143 Motion Graphic Design I: Adobe Flash	3
MGD 152 Digital Animatics	3
MGD 163 Sound Design I	3
MGD 165 Adobe AfterEffects I	3
MGD 212 Adobe Illustrator II or MGD 211 Adobe Photoshop II	3
MGD 243 Motion Graphic Design II: Adobe Flash or MGD 161 Adobe Director I	3
MGD 265 Adobe AfterEffects II	3
Faculty Advisor Approved Electives from MGD	6
Recommended MGD Electives	
MGD 142 2D Animation Production	3

A course numbered XXX means that the course is pending approval by the RRCC Curriculum Committee and CCCS.

MGD 264 Digital Video Editing I: Apple Final Cut Pro 3
MGD 263 Sound Design II: Apple Logic 3

General Education Courses (See AAS Degree

Requirements page 24) 15

*ART 121 and ART 132 or ART 128 may be used to fulfill one Humanities and the General Education Elective. Students may substitute additional MGD/PHO classes if ART 149 or 121 and ART 132 or ART 128 are used for the Humanities and General Education Course Requirements.

Total Credits 60

AAS Degree

Emphasis in Game Design & Development

The game design and development AAS degree prepares you for a broad range of careers in the gaming industry or as an independent game developer. You will develop skills in 2D and 3D digital modeling, digital animation, and programming skills using an industry standard gaming engine. Course electives allow you to gain experience with digital sound, 2D game development, and additional 3D modeling.

Required Courses Credits

MGD 111	Adobe Photoshop I	3
MGD 125	3D Modeling for Gaming: 3D Studio Max	3
MGD 152	Digital Animatics	3
MGD 153	3D Animation I: Maxon Cinema 4D	3
MGD 163	Sound Design I: Apple Logic Pro	3
MGD 119	Autodesk Maya I	3
CSC 119	Introduction to Programming AND CSC 236 C# Programming (4) or CSC 160 Computer Science I: C++ (4)	3
MGD 143	Motion Graphic Design I: Adobe Flash or CWB 245 Complete Web Animation	3
MGD 167	Game Design I or CSC 126 Game Design and Development	3
MGD 267	Game Design II	3
CSC 227	3D Game Programming: Torque Engine	3
CSC 228	3D Game Scripting	3
CIS 289	Capstone or MGD 289 Capstone or MGD 280 Internship	3

MGD/CIS/CSC Advisor Approved Electives 6

Recommended MGD Electives

MGD 125	3D Modeling for Gaming	3
MGD xxx	Advanced 3D Modeling for Gaming	3
ART 121	Drawing I*	3
ART 132	Visual Concepts: 3D Design*	3

General Education Courses (See AAS Degree

Requirements page 24) 15

*ART 121 and ART 132 and/or ART 128 may be used to fulfill one Humanities and the General Education Elective Course Requirements.

Total Credits 64-67

AAS Degree

Emphasis in Web Design & Development

The Web design and development AAS degree prepares you for a broad range of careers in the Web industry. You will evaluate the look and feel of sites and learn HTML/XML editors as well as advanced Web production techniques. You will be exposed to all stages of production. Motion graphic techniques, video-editing, and sound design used in Web development also will be addressed.

Required Courses Credits

MGD 101	Introduction to Computer Graphics or MGD 102 Introduction to Multimedia or CIS 118 Intro to PC Applications	3
MGD 104	Videography I	3
MGD 111	Adobe Photoshop I	3
MGD 112	Adobe Illustrator I	3
CWB 110	Complete Web Authoring (HTML)	3
MGD 141	Web Design I: Adobe Dreamweaver or CWB 130 Complete Web Authoring	3
MGD 143	Motion Graphic Design I: Adobe Flash or CWB 245 Complete Web Animation	3
MGD 241	Web Design II: Adobe Dreamweaver	3
MGD 243	Motion Graphic Design II: Adobe Flash	3
CWB 205	Complete Web Scripting	3
MGD 163	Sound Design I: Apple Logic Pro	3
MGD 164	Digital Video Editing I: Final Cut Pro	3
MGD xxx	Business for Creatives or MGD 289 Capstone or MGD 280 Internship	3

MGD/PHO/CWB Advisor Approved Electives 6

MGD Recommended Electives

JOU 225	Internet Media	3
MGD 204	Videography II	3

General Education Courses (See AAS Degree

Requirements page 24) 15

*ART 121 and/or ART 139 and/or MUS 105 may be used to fulfill one Humanities and the General Education Elective Course Requirements.

Total Credits 60

A course numbered XXX means that the course is pending approval by the RRCC Curriculum Committee and CCCS.

AAS Degree

Emphasis in 3D Design and Animation (pending approval)

The motion graphics animation emphasis within the Multimedia Graphic Design Department prepares you to work in digital 3D modeling and animation environments. You will combine traditional artistic skills of drawing and design with storyboarding, animation and special effects training. You will combine these skills to produce complex 3D designs and models and 3D animation projects.

Required Courses		Credits
ART 149	Animation Drawing and Design* or ART 121 Drawing I*	3
ART 132	Visual Concepts: 3D Design* or ART 128 Figure Drawing*	3
MGD 129	History of Animation	3
MGD 111	Adobe Photoshop I	3
MGD 125	3D Modeling for Gaming I: 3DS Max	3
MGD 152	Digital Animatics	3
MGD 153	3D Animation I: Maxon Cinema 4D	3
MGD 165	Adobe AfterEffects I	3
MGD 119	Autodesk Maya I	3
MGD 122	Sculpting for Digital Media	3
MGD 253	3D Animation II: Maxon Cinema 4D	3
MGD 219	Autodesk Maya II or	
MGD 270	Adv. 3D Character Design: Maya	3
MGD 257	Animation Production or MGD 280 Internship or MGD 289 Capstone	3
Faculty Advisor Approved Electives from MGD		6
MGD Recommended Electives		
MGD 167	Game Design I	3
MGD 267	Game Design II	3
MGD xxx	Advanced 3D Studio Max	3
MGD xxx	3D Modeling in 3DS Max and Maya	3
General Education Courses (See AAS Degree Requirements page 24)		15
*ART 121 and ART 132 and/or ART 128 may be used to fulfill one Humanities and the General Education Elective. Students may substitute additional MGD/PHO classes if ART 121 and ART 132 or ART 128 are used for the Humanities and General Education Course Requirements.		
Total Credits		60

AAS Degree

Emphasis in Interactive Training and Simulation (pending approval)

The Interactive Training and Simulation Degree prepares you to create interactive training multimedia and simulation scenarios used for corporate training, educational training and professional development. You will combine design and multimedia skills to create training videos, training quizzes, and training multimedia which combine animation, video, and sound to create rich media training applications for both business and education for use online or via CD or DVD.

Required Courses		Credits
MGD 102	Intro to Multimedia	3
MGD 104	Videography I	3
MGD 111	Adobe Photoshop I	3
MGD 112	Adobe Illustrator I	3
MGD 114	Adobe InDesign	3
MGD 115	Multimedia Team Development	3
MGD 141	Web Design I: Dreamweaver	3
MGD 143	Motion Graphic Design: Adobe Flash I or MGD 161 Adobe Director I	3
MGD 163	Sound Design I	3
MGD 164	Digital Video Editing I: Apple Final Cut Pro	3
MGD 254	Multimedia Design and Production I	3
MGD 216	Adobe Acrobat Professional	3
MGD 269	Multimedia Design and Production II or MGD 289 Capstone	3
Faculty Advisor Approved Electives from MGD		6
MGD Recommended Electives		
MGD 241	Web Design II: Dreamweaver	3
MGD 243	Motion Graphic Design II: Adobe Flash	3
MGD 167	Game Design I	3
MGD 267	Game Design II	3
ART 139	Digital Photography I*	3
MUS 105	Intro to Computer/Electronic Music*	3
General Education Courses (See AAS Degree Requirements page 24)		15
*ART 139 and MUS 105 may be used to fulfill one Humanities and the General Education Elective Course Requirements.		
Total Credits		60

AAS Degree

Emphasis in Digital Media Journalism (pending approval)

The AAS in Digital Media Journalism prepares students for work with blogs, microblogs, social networking applications, virtual worlds, audio and video podcasting for delivering mass media using the Internet as the primary means of media distribution. Students will combine traditional journalism skills in writing and editing with digital skills in video, page layout and production to produce, e-zines, blogs, podcasts and other relevant Internet publications.

MGD Advisor: Thomas Harrop, thomas.harrop@rrcc.edu

Required Courses	Credits
JOU 102 Intro to Editing	3
JOU 105 Introduction to Mass Media	3
JOU 106 Fundamentals of Reporting	3
MGD 102 Intro to Multimedia	3
MGD 104 Videography I	3
MGD 111 Adobe Photoshop I	3
MGD 114 Adobe InDesign	3
JOU 114 TV Production	3
or JOU 121 Photojournalism	
JOU 206 Intermediate Newswriting and Editing	3
JOU 241 Magazine Article Writing	3
MGD 216 Adobe Acrobat Professional	3
JOU 225 Internet Media	3
JOU 215 Publications Production and Design	3
Faculty Advisor Approved Electives from MGD	6
MGD Recommended Electives	
JOU 121 Photojournalism	3
MGD 143 Motion Graphic Design I: Adobe Flash	3
MGD 141 Web Design I: Adobe Dreamweaver	3
MGD 164 Digital Video Editing I: Apple Final Cut Pro	3
ART 139 Digital Photography I*	3
MUS 105 Intro to Computer/Electronic Music*	3
General Education Courses (See AAS Degree Requirements page 24)	15
*ART 139 and MUS 105 may be used to fulfill one Humanities and the General Education Elective Course Requirements.	
Total Credits	60

AAS Degree

Emphasis in Professional Photography: Traditional Film

The Professional Photography: Traditional Film AAS degree prepares you for a career as a professional film photographer. You will learn traditional film photography techniques in print production, lighting, equipment, and business management. History and photographic film theory are covered as well. You will need a 35mm SLR film camera.

PHO Advisor: Michael Fulks, michael.fulks@rrcc.edu

Required Courses	Credits
ART 113 History of Photography	3
ART 138 Film Photography I	3
ART 238 Film Photography II	3
PHO 143 Perception and Photography	3
PHO 260 Event and Wedding Photography	3
ART 144 Portrait Photography	3
ART 142 Landscape Photography and PHO 240 Field Techniques & Exploration	2 1
or ART 143 Figure Photography I	
PHO 204 Commercial Studio Lighting	3
MGD xxx Business for Creatives	3
JOU 121 Photojournalism	3
PHO 235 Architectural Photography	3
PHO xxx Close Up & Macro Photography	3
PHO xxx Darkroom Alternative Processes	3
MGD/PHO Advisor Approved Electives	6
PHO Recommended Electives:	
ART 139 Digital Photography I*	3
MUS 105 Intro to Computer/Electronic Music*	3
ART 121 Drawing I*	3
ART 131 Visual Concepts: 2D Design*	3
General Education Courses (See AAS Degree Requirements page 24)	15
*ART 121 and/or ART 131 or ART 139 and/or MUS 105 may be used to fulfill one Humanities and the General Education Elective.	
Total Credits	60

AAS Degree

Emphasis in Professional Photography: Digital Photography

The Professional Photography: Digital Photography AAS degree prepares you for a career as a professional photographer in a digital work environment. You will learn techniques in digital photography, such as camera techniques, digital printing production, lighting, equipment, and business management. History and digital photography theory are covered as well. You will need a digital SLR camera or a digital camera with manual settings.

PHO Advisor: Michael Fulks, michael.fulks@rrcc.edu

Required Courses	Credits
ART 113 History of Photography	3
PHO 143 Perception and Photography	3
ART 139 Digital Photography I	3
ART 239 Digital Photography II	3
MGD 111 Adobe Photoshop I	3
ART 145 Digital Darkroom I	3
ART 144 Portrait Photography	3
ART 142 Landscape Photography	2
AND PHO 240 Field Techniques & Exploration	1
or ART 143 Figure Photography I	3
PHO 204 Commercial Studio Lighting	3
MGD xxx Business for Creatives	3
MGD 121 Corel Painter for Digital Media	3
JOU 121 Photojournalism	3
or PHO 260 Event and Wedding Photography	
PHO 266 Professional Digital Workflow: Adobe Lightroom	3
PHO/MGD Advisor Approved Electives	6
PHO Recommended Electives	
MUS 105 Intro to Computer/Electronic Music*	3
ART 121 Drawing I*	3
ART 131 Visual Concepts: 2D Design*	3
General Education Courses (See AAS Degree Requirements page 24)	15
*ART 121 and/or ART 131 or ART 139 and/or MUS 105 may be used to fulfill one Humanities and the General Education Elective.	
Total Credits	60

AAS Degree

Emphasis in Professional Photography: Traditional Film & Digital Photography

The Professional Photography: Traditional Film & Digital Photography AAS degree prepares you for a career as a professional photographer, blending both film and digital skills. You will learn techniques in both film and digital photography, such as camera techniques, print production, lighting, equipment, and business management. History and photographic theory are covered as well. You will need both a traditional film SLR camera and a digital SLR camera or a digital camera with manual settings.

PHO Advisor: Michael Fulks, michael.fulks@rrcc.edu

Required Courses	Credits
*ART 113 History of Photography	3
*ART 138 Film Photography I	3
ART 238 Film Photography II	3
ART 143 Perception and Photography	3
ART 139 Digital Photography I	3
ART 239 Digital Photography II	3
MGD 111 Adobe Photoshop I	3
ART 145 Digital Darkroom I	3
ART 144 Portrait Photography	3
ART 143 Figure Photography I	3
or PHO 260 Event & Wedding Photo	
PHO 204 Commercial Studio Lighting	3
MGD xxx Business for Creatives	3
MGD 121 Corel Painter for Digital Media	3
or PHO 266 Professional Digital Workflow Adobe Lightroom	
MGD/PHO Advisor Approved Electives	6
PHO Recommended Electives:	
ART 139 Digital Photography I*	3
MUS 105 Intro to Computer/Electronic Music*	3
ART 121 Drawing I*	3
ART 131 Visual Concepts: 2D Design*	3
General Education Courses (See AAS Degree Requirements page 24)	15
*ART 113 and ART 138 or ART 121 and/or ART 131 or ART 139 and/or MUS 105 may be used to fulfill one Humanities and the General Education Elective. Students may substitute ART/PHO/MGD classes if the ART 113 and ART 138 are counted toward the Humanities and General Education Course Requirements.	
Total Credits	60

AGS Specialist Degree-MSCD

The articulation agreement with Metropolitan State College of Denver allows students to transfer up to 60 RRCC semester hours of the Associate of General Studies toward MSCD's Bachelor's Degree in Technical Communication through the department of Technical Communication. These degrees do not allow for the substitution of classes, either in the Core Curriculum Requirements, or in the Program Specific Requirements. If the student does not follow the degree plan exactly as presented in the Degree and Certificate Planning Guide, Metropolitan State College of Denver reserves the right to accept RRCC credit as general elective credit, not program specific credit. The AGS is the only degree plan that MSCD accepts for full transfer into the Technical Communications Program.

AGS Degree-MSCD

Graphic Design & Print Production

The Graphic Design & Print Production emphasis within the Multimedia Graphic Design Department prepares you for work in the traditional graphic design and printing industries. You will use the computer to design for electronic production output. In addition, you will learn design techniques for packaging and point of sale and other forms of print media. Printing technology is also addressed.

You must contact an MGD faculty advisor during your first semester for degree advising.

Required Courses	Credits
MGD 101 Introduction to Computer Graphics	3
MGD 103 Introduction to Production Design	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 114 Adobe InDesign	3
MGD 202 Point of Purchase Package Design	3
MGD 213 Electronic Prepress	3
MGD xxx Business for Creatives	3
MGD Advisor Approved Electives	3
General Education Courses (See AGS-Specialist Degree Requirements page 20)	34-40
Total Required Credits	60

AGS Degree-MSCD

Video Production

The video production emphasis within the Multimedia Graphic Design Department prepares you for work in video and DVD production. You are exposed to many exciting aspects of video production, such as sound and digital editing, as well as motion graphics.

You must contact an MGD faculty advisor during your first semester for degree advising.

Required Courses	Credits
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 104 Videography I	3
MGD 143 Motion Graphic Design I: Adobe Flash	3
MGD 163 Sound Design I: Apple Logic Pro	3
MGD 164 Digital Video Editing I: Final Cut Pro	3
MGD 165 Adobe AfterEffects I	3
MGD xxx Business for Creatives	3
MGD Advisor Approved Electives	3
General Education Courses (See AGS-Specialist Degree Requirements page 20)	34-40
Total Required Credits	60

AGS Degree-MSCD

Motion Graphics Animation

The motion graphics animation emphasis within the Multimedia Graphic Design Department prepares you to work in digital 3D animation modeling environments. You will combine traditional artistic skills of drawing, design, and sculpture with video, lighting, and special effects training. You will blend these skills with your expertise in object modeling and computer-generated animation techniques to produce complex 3D animation projects.

You must contact an MGD faculty advisor during your first semester for degree advising.

Required Courses	Credits
ART 132 3D Design	3
ART 128 Figure Drawing	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 153 3D Animation I: Maxon Cinema 4D	3
MGD 253 3D Animation II: Maxon Cinema 4D	3
MGD 164 Digital Video Editing I: Final Cut Pro	3
MGD xxx Business for Creatives	3
Faculty Advisor Approved Electives from MGD	3
General Education Courses (See AGS-Specialist Degree Requirements page 20)	34-40
Total Required Credits	60

AGS Specialist Degree-RMCAD

The articulation agreement with Rocky Mountain College of Art and Design allows students to transfer up to 60 RRCC semester hours of the Associate of General Studies toward RMCAD's Bachelors of Fine Arts in Graphic Design. These degrees do not allow for the substitution of classes, either in the Core Curriculum Requirements, or in the Program Specific Requirements. If the student does not follow the degree plan exactly as in the Degree and Certificate Planning Guide, Rocky Mountain College of Art and Design reserves the right to accept RRCC credit as general elective credit, not program specific credit. The AGS is the only degree plan that RMCAD accepts for full transfer into the BFA in Graphic Design.

You must contact an MGD faculty advisor during your first semester for degree advising.

AGS Degree-RMCAD

Graphic Design

Required Courses	Credits
MGD 101 Introduction to Computer Graphics	3
ART 121 Drawing I	3
ART 131 Visual Concepts 2D Design	3
ART 132 Visual Concepts 3D Design	3
MGD 112 Adobe Illustrator	3
MGD 116 Typography I	3
MGD 103 Intro to Production Design	3
MGD Advisor Approved Electives	9
General Education Courses (See AGS-Specialist Degree Requirements page 20)	34-40
Total Required Credits	60

Certificate

Graphic Design/Print Production

The graphic design/print production emphasis prepares you for careers in printing, graphic design, and prepress production. An established industry, the printing/graphics industry has many job opportunities and exciting projects to work on in the Denver Metro area. The Graphic Design and Print Production certificate, when combined with the Motion Graphics Animation AAS degree, the Interactive Training and Simulation AAS degree, Video Production AAS Degree, 3D Design and Animation AAS or the Web Design and Development AAS degree adds additional marketable skills to the traditional AAS degree.

Required Courses	Credits
MGD 101 Introduction to Computer Graphics or MGD 102 Introduction to Multimedia	3
MGD 103 Introduction to Production Design	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 114 Adobe InDesign	3
MGD 118 Digital Color Theory	3

MGD 121 Corel Painter for Digital Media or MGD 216 Adobe Acrobat Professional	3
MGD 202 Point of Purchase Packaging Design	3
MGD 211 Adobe Photoshop II or MGD 212 Adobe Illustrator II	3
MGD 213 Electronic Prepress	3
Total Credits	30

Certificate

Video Production

The video production emphasis within the Multimedia Graphic Design Department prepares you for work in video and DVD production. You will be exposed to many exciting aspects of video production, such as sound and digital editing, as well as motion graphics. The Video Production certificate, when combined with the Graphic Design and Print Production AAS degree, Motion Graphics Animation AAS degree, 3D Design and Animation AAS degree, Game Design and Development AAS degree or the Interactive Training and Simulation AAS degree adds additional marketable skills to the traditional AAS degree.

Required Courses	Credits
MGD 101 Introduction to Computer Graphics or MGD 102 Introduction to Multimedia	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 104 Videography	3
MGD 163 Sound Design I: Apple Logic Pro	3
MGD 164 Digital Video Editing I: Final Cut Pro	3
MGD 165 Adobe AfterEffects I	3
MGD 264 Digital Video Editing II: Final Cut Pro	3
MGD 204 Videography II	3
Total Credits	27

Certificate

Motion Graphics Animation

The motion graphics animation emphasis prepares you for 3D animation production work. You will develop skills for entry-level jobs in the fields of TV and movie production as well as presentation design and multimedia design. The Motion Graphics Animation certificate, when combined with the Graphics Design and Print Production AAS degree, the Interactive Training and Simulation AAS degree, 3D Design and Animation AAS degree, Game Design and Development AAS degree, Video Production AAS degree, or the Web Design and Development AAS degree adds additional marketable skills to the traditional AAS degree.

Required Courses	Credits
ART 121 Drawing I	3
MGD 102 Introduction to Multimedia	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 152 Digital Animatics	3
MGD 143 Motion Graphic Design I: Adobe Flash	3
MGD 165 Adobe AfterEffects I	3

MGD 243	Motion Graphic Design II: Adobe Flash	3
MGD 212	Adobe Illustrator II	3
MGD 265	Adobe AfterEffects II	3
Total Credits		30

Certificate

Game Art

The game design certificate prepares you for entry-level art positions in the gaming industry. Common projects are the creation of character models and textures from concept art, storyboarding, and animating in 2D or 3D. You will also have the opportunity to work with an industry-standard gaming engine. Course electives allow you to gain basic experience with game engines, sound design and digital storyboarding. The Game Art Certificate, when combined with the Motion Graphics Animation AAS degree, the Interactive Training and Simulation AAS degree, 3D Design and Animation AAS degree or the Web Design and Development AAS degree adds additional marketable skills to the traditional AAS degree.

Required Courses	Credits
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator or MGD 125 3D Modeling for Gaming: 3D Studio Max	3
MGD 167 Game Design I or CSC 126 Game Design and Development	3
MGD 152 Digital Animatics	3
MGD 143 Motion Graphics Design I: Adobe Flash or CWB 245 Complete Web Animation: Adobe Flash	3
MGD 153 3D Animation I: Maxon Cinema 4D	3
MGD 163 Sound Design I	3
MGD 119 Autodesk Maya I	3
MGD 267 Game Design II	3
MGD 253 3D Animation II or MGD 219 Autodesk Maya II	3
Advisor Approved Electives	6
Total Credits	30

Certificate

Web Design

The Web design express certificate within the Multimedia Graphic Design Department prepares you for entry-level work in Web page production. You will learn the importance of page layout, user interface, and design, as well as site design. The Web Design certificate and/or the Advanced Web Design certificate, when combined with the Graphic Design and Print Production AAS degree, Motion Graphic Animation AAS degree, or Video Production AAS degree adds additional marketable skills to the traditional AAS degree.

It is highly recommended that students also take CWB 110 Complete Web Authoring or have basic HTML coding skills before taking MGD 141.

Required Courses	Credits
CWB 110 Complete Web Authoring: HTML	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 141 Web Design I: Adobe Dreamweaver	3
MGD 143 Web Motion Graphic Design I: Adobe Flash3	3
MGD 241 Web Design II: Adobe Dreamweaver	3
Total Credits	18

Certificate

Advanced Web Design

You will evaluate the look and feel of Web sites, learn HTML and HTML editors, and learn advanced Web production techniques, such as adding sound, video, or animation to a Web site. You are exposed to pre-production, production, and post-production concepts. Motion graphic techniques, video-editing, and sound design used in Web development will be addressed. You must complete or be concurrently enrolled in the Web Design Certificate program.

Required Courses	Credits
MGD 104 Videography I	3
MGD 163 Sound Design I: Apple Logic Pro	3
MGD 164 Digital Video Editing I: Final Cut Pro	3
CWB 205 Complete Web Scripting: JavaScript	3
MGD 243 Web Motion Graphic Design II: Adobe Flash	3
JOU 225 Internet Media	3
Total Credits	18

Certificate

3D Design and Animation (pending approval)

The 3D Design and Animation emphasis prepares you for 3D design, modeling and animation production work. You will develop basic skills for entry-level jobs in the fields of TV and movie production as well as 3D modeling, presentation design and multimedia design. The certificate in 3D Design and Animation, when combined with the Motion Graphics Animation AAS Degree, Game Design and Development AAS degree, Web Design and Development AAS degree or Video Production AAS degree adds additional marketable skills to the traditional AAS degree.

Required Courses	Credits
ART 121 Drawing I	3
ART 132 Visual Concepts: 3D Design	3
MGD 111 Adobe Photoshop I	3
MGD 125 3D Modeling for Gaming I: 3DS Max	3
MGD 152 Digital Animatics	3
MGD 153 3D Animation I: Maxon Cinema 4D	3
MGD 165 Adobe AfterEffects I	3
MGD 119 Autodesk Maya I	3
MGD 253 3D Animation II: Maxon Cinema 4D or MGD 219 Autodesk Maya II	3
MGD 257 Animation Production	3
Total Credits	30

Certificate

Interactive Training and Simulation (pending approval)

The Interactive Training and Simulation certificate prepares students to create basic interactive training multimedia and simulation scenarios used for corporate training, educational training and professional development. You will combine design and multimedia skills to create training videos, training quizzes, and training multimedia which combine basic animation, video, and sound to create rich media training applications for both business and education for use online or via CD or DVD. The certificate in Interactive Training and Simulation, when combined with the Motion Graphics Animation AAS Degree, Game Design and Development AAS degree, Web Design and Development AAS degree or Video Production AAS degree adds additional marketable skills to the traditional AAS degree.

Required Courses	Credits
MGD 104 Videography I	3
MGD 111 Adobe Photoshop I	3
MGD 112 Adobe Illustrator I	3
MGD 114 Adobe InDesign	3
MGD 115 Multimedia Team Development	3
MGD 141 Web Design I: Dreamweaver	3
MGD 143 Motion Graphic Design: Adobe Flash I	3
MGD 254 Multimedia Design and Production I	3

MGD 216 Adobe Acrobat Professional	3
MGD 269 Multimedia Design and Production II	3
Total Credits	30

Certificate

Digital Media Journalism (pending approval)

The Digital Media Journalism certificate prepares students for work with blogs, microblogs, and social networking applications for delivering mass media using the internet as the primary means of media distribution. Students will combine traditional journalism skills in writing and editing with digital skills in video, page layout and production to produce, e-zines, blogs, podcasts and other relevant Internet publications. The certificate in Digital Journalism, when combined with the Motion Graphics Animation AAS Degree, Web Design and Development AAS degree or Video Production AAS degree adds additional marketable skills to the traditional AAS degree.

Required Courses	Credits
JOU 102 Intro to Editing	3
JOU 105 Introduction to Mass Media	3
JOU 106 Fundamentals of Reporting	3
MGD 104 Videography I	3
MGD 111 Adobe Photoshop I	3
MGD 114 Adobe InDesign	3
JOU 241 Magazine Article Writing	3
MGD 216 Adobe Acrobat Professional	3
JOU 225 Internet Media	3
JOU 215 Publications Production and Design	3
Total Credits	30

Certificate

Professional Photography – Traditional Film

You will learn traditional film photography techniques in photographic darkroom production, lighting, equipment, and business management. History and photographic film theory are covered as well. You will need a 35mm SLR film camera with Manual Controls.

Required Courses	Credits
ART 113 History of Photography	3
ART 138 Film Photography I	3
ART 238 Film Photography II	3
PHO 143 Perception and Photography	3
ART 143 Figure Photography I or ART 142 Landscape Photography (2) and PHO 240 Field Techniques and Exploration (1)	3
PHO 260 Event and Wedding Photography	3
ART 144 Portrait Photography	3
PHO 204 Commercial Studio Lighting	3
MGD xxx Business for Creatives	3
JOU 121 Photojournalism	3
Total Credits	30

A course numbered XXX means that the course is pending approval by the RRCC Curriculum Committee and CCCS.

Certificate

Professional Photography – Digital Photography

Students learn techniques in digital photography such as camera techniques, digital printing production, lighting, equipment, and business management. History and digital photography theory are covered as well. Students need a digital SLR camera or a digital camera with manual settings.

Required Courses	Credits
ART 113 History of Photography	3
ART 139 Digital Photography I	3
ART 239 Digital Photography II	3
PHO 143 Perception and Photography	3
MGD 111 Adobe Photoshop I	3
PHO 260 Special Events and Weddings or PHO 232 Commercial Portraiture	3
ART 145 Digital Darkroom I	3
ART 144 Portrait Photography	3
PHO 204 Commercial Studio Lighting	3
MGD xxx Business for Creatives	3
PHO 266 Professional Digital Workflow: Adobe Lightroom or ART 158 Figure Photography I or MGD 121 Painter for Digital Media	3
Total Credits	30

Certificate

Professional Photography – Traditional Film and Digital Photography

You will learn techniques in both film and digital photography such as camera techniques, print production, lighting, equipment, and business management. History and photographic theory are covered as well. You will need both a traditional film SLR camera and a digital SLR camera or a digital camera with manual settings.

Required Courses	Credits
ART 113 History of Photography	3
ART 138 Film Photography I	3
ART 139 Digital Photography I	3
MGD 111 Adobe Photoshop I	3
ART 145 Digital Darkroom I	3
PHO 143 Perception and Photography	3
ART 144 Portrait Photography or PHO 260 Event and Wedding Photography	3
PHO 204 Commercial Studio Lighting	3
MGD xxx Business for Creatives	3
PHO 266 Professional Digital Workflow: Adobe Lightroom or ART 143 Figure Photography I or MGD 121 Painter for Digital Media	3
Total Credits	30