



Multimedia ▪ Gaming ▪ Design & Photography 2008-2009 Degree and Certificate Planning Guide

Associate of Applied Science in Multimedia Graphic Design with an Emphasis in Professional Photography in one of the following areas:

General Education Requirements (15 Semester Credits)

English/Speech—3 credits
ENG 121 or Above, SPE 115, SPE 125 or Above

Mathematics—3 credits
MAT 107 and Above

General Education Elective—3 credits

Choose 1 class from 2 different areas of study—6 credits

Social and Behavioral Science
ANT, ECO, GEO, HIS, POS, PSY, SOC

Humanities
ART, FRE, GER, HUM, LIT, MUS, PHI, SPE, SPA, THE

Science
AST, BIO, CHE, GEY, PHY

Program Specific Requirements (Minimum 45 Semester Credits)

Traditional Film

- ART 113 History of Photography
- ART 138 Film Photography I
- ART 139 Film Photography II
- PHO 143 Perception and Photography
- PHO 260 Event & Wedding Photography
- PHO 251 Portrait Photography
- ART 177 Figure Photography I
or ART 252 Landscape Photography
- PHO 204 Commercial Studio Lighting
- PHO 175 Business of Photography
- JOU 121 Photojournalism I
- ART 277 Figure Photography II
or PHO 235 Architectural Photography
- PHO 176 Close Up/Macro Photography
- PHO 277 Darkroom Alternative Processes

Plus 2 faculty approved electives in MGD/PHO

Recommended General Education Requirements:
Mathematics: MAT 107 Career Math
English/Speech ENG 131 Technical Writing
Humanities: MUS 105 Intro to Computer Music
General Education: THE 118 Acting for Trades/Business

Digital Photography

- ART 113 History of Photography
- PHO 143 Perception and Photography
- ART 143 Digital Photography I
- ART 243 Digital Photography II
- MGD 111 Adobe Photoshop I
- ART 248 Digital Darkroom I
- ART 251 Portrait Photography
- ART 177 Figure Photography
or
PHO 260 Event and Wedding Photography
- PHO 204 Commercial Studio Lighting
- PHO 277 Business of Photography
- MGD 121 Corel Painter for Digital Media
- JOU 121 Photojournalism
or PHO 260 Event & Wedding Photography
- PHO 279 Professional Digital Workflow

Plus 2 faculty approved elective in MGD/PHO

Recommended General Education Requirements:
Mathematics: MAT 107 Career Math
English/Speech ENG 131 Technical Writing
Humanities: MUS 105 Intro to Computer Music
General Education: THE 118 Acting for Trades/Business

Traditional & Digital Photography

- ART 113 History of Photography
- ART 138 Film Photography I
- ART 139 Film Photography II
- PHO 143 Perception and Photography
- ART 143 Digital Photography I
- ART 243 Digital Photography II
- MGD 111 Adobe Photoshop I
- ART 248 Digital Darkroom I
- ART 251 Portrait Photography
- ART 177 Figure Photography I
and/or PHO 206 Event/Wedding Photo
- PHO 204 Commercial Studio Lighting
- PHO 277 Business of Photography
- MGD 121 Corel Painter for Digital Media
- PHO 279 Professional Digital Workflow

Plus 1 faculty approved elective in MGD/PHO

Recommended General Education Requirements:
Mathematics: MAT 107 Career Math
English/Speech ENG 131 Technical Writing
Humanities: MUS 105 Intro to Computer Music
General Education: THE 118 Acting for Trades/Business

Associate of Applied Science in Multimedia Graphic Design with an Emphasis in one of the following areas:

General Education Requirements (15 Semester Credits)

English/Speech—3 credits
 ENG 121 or Above, SPE 115, SPE 125 or Above

Choose 1 class from 2 different areas of study—6 credits

Social and Behavioral Science
 ANT, ECO, GEO, HIS, POS, PSY, SOC

Mathematics—3 credits
 MAT 107 and Above

Humanities
 ART, FRE, GER, HUM, LIT, MUS, PHI, SPE, SPA, THE

General Education Elective—3 credits

Science
 AST, BIO, CHE, GEY, PHY

Program Specific Requirements (Minimum 45 Semester Credits)

Graphic Design & Print Production

- ART 121 Drawing I*
- ART 131 Visual Concepts 2D Design I*
- MGD 101 Intro to Computers for Graphics or MGD 102 Intro to Multimedia
- MGD 103 Production Design
- MGD 111 Adobe Photoshop I
- MGD 112 Adobe Illustrator I
- MGD 114 Adobe InDesign
- MGD 118 Digital Color Theory
- MGD 121 Corel Painter for Digital Media
- MGD 202 P.O.S/Packaging Design
- MGD 211 Adobe Photoshop II
- MGD 213 Electronic Prepress
- MGD 259 Management & Production

Plus 2 faculty approved electives in MGD/PHO

Recommended General Education Requirements:

Mathematics: MAT 107 Career Math
English/Speech ENG 131 Technical Writing
Humanities: ART 121 Drawing I
General Education: ART 131 Design I

*ART 121 and 131 may be used to fulfill one Humanities and the General Education Elective. Students may substitute MGD/PHO classes if the above classes are counted toward the General Education Requirements

Motion Graphics Animation

- ART 121 Drawing I*
- ART 131 Design I*
- ART 156 Figure Drawing I
- MGD 111 Adobe Photoshop I
- MGD 112 Adobe Illustrator I
- MGD 143 Motion Graphic Design I: Flash
- MGD 152 Digital Animatics
- MGD 153 3D Animation I
- MGD 119 Maya I
- MGD 253 3D Animation II
- MGD 122 Sculpting for Digital Media
- MGD 219 Maya II
- MGD 259 Management & Production

Plus 2 faculty approved electives in MGD/PHO

Recommended General Education Requirements:

Mathematics: MAT 107 Career Math
English/Speech ENG 131 Technical Writing
Humanities: ART 121 Drawing I
General Education: ART 131 Design I

*ART 121 and 131 may be used to fulfill one Humanities and the General Education Elective. Students may substitute MGD/PHO classes if the above classes are counted toward the General Education Requirements

Video Production

- MGD 101 Intro to Computers for Graphics or MGD 102 Intro to Multimedia
- MGD 111 Adobe Photoshop I
- MGD 112 Adobe Illustrator I
- MGD 104 Videography
- MGD 143 Motion Graphic Design:Flash
- MGD 163 Sound Design I
- MGD 164 Digital Video Editing I
- MGD 165 Adobe After Effects I
- MGD 204 Videography II or MGD 266 DVD Authoring
- MGD 263 Sound Editing II
- MGD 264 Digital Video Editing II
- MGD 265 Adobe After Effects II
- MGD 259 Management & Production

Plus 2 faculty approved electives in MGD/PHO

Recommended General Education Requirements:

Mathematics: MAT 107 Career Math
English/Speech ENG 131 Technical Writing
Humanities: MUS 105 Intro to Computer Music
General Education: THE 118 Acting for Trades/Business

Game Design and Development

- MGD 111 Adobe Photoshop I or CWB 162 Intro to Image Editing
- MGD 112 Adobe Illustrator I
- MGD 152 Digital Animatics
- MGD 153 3D Animation I
- MGD 163 Sound Design I
- MGD 119 Maya I
- CSC 119 Introduction to Programming AND CSC 154 Intro to MS Visual Basic or CSC 160 Computer Science I C++
- MGD 143 Motion Graphic Design:Flash or CWB 245 Complete Web Animation:Flash
- CSC 126 Game Design and Development or MGD 167 Game Design I
- CSC 200 3D Game Programming I:Torque
- CSC 227 3D Game Programing II:Torque
- CSC 228 Game Scripting
- MGD 280 Internship or MGD 259 Management & Production

Plus 2 faculty approved electives in MGD/PHO/CSC

Recommended General Education Requirements:

Mathematics: MAT 121 College Algebra
English/Speech ENG 131 Technical Writing
Humanities: ART 121 Drawing I
General Education: ART 156 Figure Drawing

Web Design and Development

- MGD 101 Intro to Computers for Graphics or MGD 102 Intro to Multimedia
- MGD 103 Production Design or MGD 104 Videography
- MGD 111 Adobe Photoshop I or CWB 162 Intro to Image Editing
- MGD 112 Adobe Illustrator I
- CWB 110 Complete Web Authoring-HTML
- MGD 141 Web Design I: Dreamweaver or CWB 130 Web Editing Tools: Dreamweaver
- MGD 241 Web Design II: Dreamweaver
- MGD 143 Motion Graphic Design I: Flash or CWB 245 Complete Web Animation:Flash
- MGD 243 Motion Graphic Design II: Flash or CWB 246 Adv. Web Animation:Flash
- CWB 205 Complete Web Scripting
- MGD 163 Sound Design I
- MGD 164 Digital Video Editing
- MGD 280 Internship or MGD 259 Management & Production

Plus 2 faculty approved electives in MGD/PHO/CSC

Recommended General Education Requirements:

Mathematics: MAT 121 College Algebra
English/Speech ENG 131 Technical Writing
Humanities: ART 121 Drawing I
General Education: THE 118 Acting for Trades/Business

Associate of General Studies in Multimedia Graphic Design with an Emphasis in one of the following areas:

Core Curriculum Requirements (34-40 Semester Credits)

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 substitution of classes, either in the Core Curriculum Requirements nor in the Program Specific Requirements. If the student does not follow the degree plan exactly as presented below, 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.

Communication: 2 courses (6 Credits)

ENG 121 English Composition I	3
ENG 122 English Composition II	3

Mathematics: 1 course (3 credits minimum)

MAT 120 Math of Liberal Arts	4
MAT 121 College Algebra	4
MAT 125 Survey of Calculus	4
MAT 135 Introduction to Statistics	3
MAT 201 Calculus I	5
MAT 202 Calculus II	5

Science 2 courses: (8 credits minimum)

AST 101 Astronomy I	4
AST 102 Astronomy II	4
BIO 105 Science of Biology	4
BIO 111 General Biology I	5
BIO 112 General Biology II	5
CHE 101 Intro. to Chemistry I	5
CHE 102 Intro. to Chemistry II	5
CHE 111 General Chemistry I	5
CHE 112 General Chemistry II	5
GEY 111 Physical Geology	4
GEY 112 H Historical Geology	4
PHY 111 Physics: Algebra-based I	5
PHY 112 Physics: Algebra-based II	5
PHY 211 Physics: Calc.-based I	5
PHY 212 Physics: Calc.-based II	5

Social & Behavioral Sciences: 3 courses (9 Credits)

Human Behavior and Social Systems:

ANT 101 Cultural Anthropology	3
ANT 111 Physical Anthropology	3
PSY 101 General Psychology I	3
PSY 102 General Psychology II	3
SOC 101 Introduction to Sociology I	3
SOC 102 Introduction to Sociology II	3

Economic and Political Systems:

ECO 201 Principles of Macroeconomics	3
ECO 202 Principles of Microeconomics	3
POS 105 Introduction to Political Science	3

POS 111 American Government	3
-----------------------------	---

Geography:

GEO 105 World Geography	3
-------------------------	---

History:

HIS 101 Western Civilization I	3
HIS 102 Western Civilization II	3
HIS 201 U.S. History I	3
HIS 202 U.S. History II	3

Arts and Humanities: 3 courses (9 Credits)

Select no more than two courses from any one emphasis.

Visual and Performing Arts:

ART 110 Art Appreciation	3
ART 111 Art History: Ancient to Medieval	3
ART 112 Art History: Renaissance to Modern	3
ART 207 Art History 1900 to the Present	3
MUS 120 Music Appreciation	3
MUS 121 Introduction to Music History I	3
MUS 122 Introduction to Music History II	3
THE 105 Introduction to Theatre Arts	3
THE 211 Development of Theatre Arts I	3
THE 212 Development of Theatre Arts II	3

Literature and Humanities:

HUM 121 Humanities : Early Civilizations	3
HUM 122 Humanities: Medieval to Modern	3
HUM 123 Humanities: Modern World	3
LIT 115 Introduction to Literature	3
LIT 201 Masterpieces of Literature I	3
LIT 202 Masterpieces of Literature II	3
LIT 205 Ethnic Literature	3
LIT 211 Survey of American Literature I	3
LIT 212 Survey of American Literature II	3
LIT 221 Survey of British Literature I	3
LIT 222 Survey of British Literature II	3
LIT 225 Introduction to Shakespeare	3

Ways of Thinking:

PHI 111 Introduction to Philosophy	3
PHI 112 Ethics	3
PHI 113 Logic	3
PHI 114 Comparative Religions	3
PHI 214 Philosophy of Religion	3

Program Specific Requirements (Minimum 26 Semester Credits)

Graphic Design & Print Production

- MGD 101 Intro to Computers for Graphics
- MGD 103 Production Design
- MGD 111 Adobe Photoshop I
- MGD 112 Adobe Illustrator I
- MGD 114 Adobe InDesign
- MGD 202 P.O.S./Package Design
- MGD 213 Electronic Prepress
- MGD 259 Management & Production

Plus two faculty approved electives in MGD/
PHO (must see MGD/PHO advisor for approval.)

Video Production Emphasis

- MGD 111 Adobe Photoshop I
- MGD 112 Adobe Illustrator I
- MGD 104 Videography
- MGD 143 Motion Graphic Design:Flash
- MGD 163 Sound Design I
- MGD 164 Digital Video Editing:
- MGD 165 Adobe After Effects I
- MGD 259 Management & Production

Plus two faculty approved electives in MGD/
PHO (must see MGD/PHO advisor for approval.)

Motion Graphics Animation Emphasis

- ART 132 3-D Design
- ART 156 Figure Drawing
- MGD 111 Adobe Photoshop I
- MGD 112 Adobe Illustrator I
- MGD 153 3D Animation I
- MGD 253 3D Animation II
- MGD 164 Digital Video Editing
- MGD 259 Management & Production

Plus two faculty approved electives in MGD/
PHO (must see MGD/PHO advisor for approval.)

Certificate in Multimedia Graphic Design with an Emphasis in one of the following areas:

Program Specific Requirements (Minimum 5-10 Semester Credits)

<p>Graphic Design & Print Production</p> <ul style="list-style-type: none"> <input type="checkbox"/> MGD 101 Intro. to Computers for Graphics <input type="checkbox"/> MGD 103 Production Design <input type="checkbox"/> MGD 111 Adobe Photoshop I <input type="checkbox"/> MGD 112 Adobe Illustrator I <input type="checkbox"/> MGD 114 Adobe InDesign <input type="checkbox"/> MGD 118 Digital Color Theory <input type="checkbox"/> MGD 121 Painter for Digital Media <input type="checkbox"/> MGD 202 P.O.P. Package Design <input type="checkbox"/> MGD 211 Adobe Photoshop II or MGD 212 Adobe Illustrator II <input type="checkbox"/> MGD 213 Electronic PrePress 	<p>Motion Graphics Animation</p> <ul style="list-style-type: none"> <input type="checkbox"/> MGD 102 Intro to Multimedia <input type="checkbox"/> MGD 111 Adobe Photoshop I <input type="checkbox"/> MGD 112 Adobe Illustrator I <input type="checkbox"/> MGD 152 Digital Animatics <input type="checkbox"/> MGD 153 3D Animation I: Cinema 4D <input type="checkbox"/> MGD 119 Maya I <input type="checkbox"/> MGD 165 Adobe After Effects I <input type="checkbox"/> MGD 253 3D Animation II: Cinema 4D <input type="checkbox"/> MGD 219 Maya II or MGD 143 Motion Graphic Design:Flash <input type="checkbox"/> ART 121 Drawing I 	<p>Video Production</p> <ul style="list-style-type: none"> <input type="checkbox"/> MGD 101 Intro. to Computers for Graphics or MGD 102 Intro. to Multimedia <input type="checkbox"/> MGD 111 Adobe Photoshop I <input type="checkbox"/> MGD 112 Adobe Illustrator I <input type="checkbox"/> MGD 104 Videography <input type="checkbox"/> MGD 163 Sound Design I <input type="checkbox"/> MGD 164 Digital Video Editing I <input type="checkbox"/> MGD 165 After Effects I <input type="checkbox"/> MGD 264 Digital Video Editing II <input type="checkbox"/> MGD 259 Management and Production <p>Plus 1 faculty approved elective</p>
<p>Game Arts</p> <ul style="list-style-type: none"> <input type="checkbox"/> MGD 111 Adobe Photoshop I or CWB 162 Intro to Image Editing <input type="checkbox"/> MGD 112 Adobe Illustrator I <input type="checkbox"/> MGD 167 Game Design I or CSC 126 Game Design and Development <input type="checkbox"/> MGD 152 Digital Animatics <input type="checkbox"/> MGD 143 Motion Graphics Design-Flash or CWB 245 Complete Web Animation: Flash <input type="checkbox"/> MGD 153 3D Animation: Cinema 4D <input type="checkbox"/> MGD 119 Maya I <input type="checkbox"/> MGD 267 Game Design II <p>Plus 2 faculty approved electives</p>	<p>Web Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> MGD 111 Adobe Photoshop I <input type="checkbox"/> MGD 112 Adobe Illustrator I <input type="checkbox"/> MGD 141 Web Design I: Dreamweaver <input type="checkbox"/> MGD 143 Web Motion Graphic Design I: Flash <input type="checkbox"/> MGD 241 Web Design II: Dreamweaver <p>It is highly recommended that students also take CWB 110 Complete Web Authoring to learn HTML coding skills before taking MGD 141.</p>	<p>Advanced Web Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> MGD 104 Videography <input type="checkbox"/> MGD 163 Sound Design I <input type="checkbox"/> MGD 164 Digital Video Editing I <input type="checkbox"/> CWB 205 Complete Web Scripting <input type="checkbox"/> MGD 243 Web Motion Graphic Design II: Flash <p>Student must complete coursework for the Web Design Certificate prior to receiving the Advanced Web Design Certificate.</p>
<p>Traditional Photography</p> <ul style="list-style-type: none"> <input type="checkbox"/> ART 113 History of Photography <input type="checkbox"/> ART 138 Photography I <input type="checkbox"/> ART 139 Photography II <input type="checkbox"/> PHO 143 Perception and Photography <input type="checkbox"/> ART 177 Figure Photography I or PHO 176 Close-up and Macro <input type="checkbox"/> PHO 260 Event and Wedding Photography or ART 251 Portrait Photography <input type="checkbox"/> PHO 204 Commercial Studio Lighting <input type="checkbox"/> PHO 277 Business of Photography <input type="checkbox"/> JOU 121 Photojournalism <input type="checkbox"/> ART 251 Portrait Photography or ART 278 Figure Photography II 	<p>Digital Photography</p> <ul style="list-style-type: none"> <input type="checkbox"/> ART 113 History of Photography <input type="checkbox"/> ART 143 Digital Photography I <input type="checkbox"/> ART 243 Digital Photography II <input type="checkbox"/> MGD 111 Photoshop I <input type="checkbox"/> PHO 260 Event and Wedding Photography <input type="checkbox"/> ART 248 Digital Darkroom I <input type="checkbox"/> ART 251 Portrait Photography <input type="checkbox"/> PHO 204 Commercial Studio Lighting <input type="checkbox"/> PHO 277 Business of Photography <input type="checkbox"/> PHO 226 Digital Workflow Management 	<p>Traditional & Digital Photography</p> <ul style="list-style-type: none"> <input type="checkbox"/> ART 113 History of Photography <input type="checkbox"/> ART 138 Photography I <input type="checkbox"/> ART 143 Digital Photography I <input type="checkbox"/> MGD 111 Photoshop I <input type="checkbox"/> ART 248 Digital Darkroom I <input type="checkbox"/> ART 251 Portrait Photography <input type="checkbox"/> PHO 260 Event and Wedding Photography <input type="checkbox"/> PHO 204 Commercial Studio Lighting <input type="checkbox"/> PHO 277 Business of Photography <input type="checkbox"/> PHO 226 Digital Workflow Management