MEDIA ARTS AND TECHNOLOGY

The Media Arts and Technology Program provides students with the opportunity to earn an Associate Degree in Media Arts and Technology or a Certificate in Photography. Students in the Associate Degree may choose to specialize by pursuing one of three optional concentrations of study: Audio Engineering Concentration (MRTA), Photography Concentration (MRTP), or Video/Film Concentration (MRTV)*. Upon completion of a concentration of a program, students are prepared for careers in video and film production, sound recording, broadcasting, commercial photography, or a number of other communications industries. During the course of study, students develop technical and communications skills through academic coursework, production skills training, and real-world experience.

*Students may graduate with only one concentration.

MEDIA ARTS AND TECHNOLOGY (MRT)

The mission of the Media Arts and Technology department is to offer applied and theoretical instruction for students interested in a career in the media arts. Emphasis is placed on practical training in MWCC’s professionally equipped media facilities, communication skills, and the characteristics of converging media industries. Students gain professional experience participating in a variety of college and community projects.

The flexible program requirements allow students to concentrate in Audio Engineering, Photography, or Video/Film Production; or to design a program of study to meet their individual career and transfer goals.

Year 1

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAT 126</td>
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<tr>
<td>ENG 101</td>
<td>College Writing I</td>
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<td>Introduction To Mass Media</td>
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<tr>
<td>Production Elective I (see list below)</td>
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<tr>
<td>Production Elective II (see list below)</td>
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<tr>
<td>Production Elective III (see list below)</td>
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<tr>
<td>Professional Elective I (see list below)</td>
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Year 2

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<tbody>
<tr>
<td>SPC 113</td>
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<tr>
<td>MRT 123</td>
<td>Film Studies</td>
<td>3</td>
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<tr>
<td>MRT 228</td>
<td>Self Promotion and the Business of Media Arts 5</td>
<td>3</td>
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<tr>
<td>Professional Elective III (see list below)</td>
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<td>Business Elective 6</td>
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<tr>
<td>General Elective 7</td>
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</table>

Total Credits: 60-61

1 Non-behavioral Social Science Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).
2 Lab Science Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).
3 Behavioral Social Science Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).
4 Humanities Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).
5 Students enrolled in MRT must earn a grade of C or better in this course.
Business Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).
General Electives: See General Electives (http://catalog.mwcc.edu/electivecoursesbyabbreviation/) exceptions.

### Production Electives

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<tr>
<td>3</td>
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<td>3</td>
<td>MRT 112</td>
<td>Introduction to Audio Production</td>
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<td>3</td>
<td>MRT 121</td>
<td>TV Studio Operations and Multicamera Production</td>
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<td>3</td>
<td>MRT 122</td>
<td>Fundamentals of Audio Postproduction</td>
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<td>3</td>
<td>MRT 211</td>
<td>Advanced Audio Production</td>
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<td>3</td>
<td>MRT 229</td>
<td>Video Postproduction (Formerly Editing Digital Video)</td>
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<td>3</td>
<td>PHO 115</td>
<td>Introduction To Digital Photography</td>
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<td>PHO 240</td>
<td>Portrait Photography</td>
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### Professional Electives

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<tr>
<td>3</td>
<td>PHO (any course)</td>
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<td>ART 251</td>
<td>Two-Dimensional Design</td>
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<td>ART 263</td>
<td>Drawing I</td>
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<td>ENG 239</td>
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<td>ENG 240</td>
<td>Creative Writing II</td>
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<td>3</td>
<td>ENG 242</td>
<td>Journalism II: Advancing Newswriting</td>
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<td>Film Appreciation</td>
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<td>3</td>
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<td>Design Theory (Formerly CGD 101)</td>
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<td>3</td>
<td>MKT 142</td>
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<td>3</td>
<td>MKT 143</td>
<td>Retail Management</td>
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<td>3</td>
<td>MUS 103</td>
<td>Music Skills And Theory I</td>
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<tr>
<td>3</td>
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<td>Music Skills And Theory II</td>
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<td>3</td>
<td>MUS 110</td>
<td>Music Appreciation (Formerly MUS210)</td>
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<tr>
<td>3</td>
<td>THE 101</td>
<td>Fundamentals Of Acting</td>
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</table>
Campus
This program is offered on the Gardner campus only.

Transfer Options
For transfer options, please click here. (http://catalog.mwcc.edu/academicresources/#transferinformationtext) It is recommended that you also consult with your academic advisor.

Special Requirements
Technical standards must be met with or without accommodations.

The Media Arts & Technology Department does not offer any student the following:

- Special classes.
- A reduced standard for academic performance.
- Exemption to graduation requirements.
- Credit for effort in place of demonstrated competence or skill acquisition.

Career Options/Earning Potential
For career options, please click here. (https://mwcc.emsicareercoach.com/#action=loadSearchResults&Search=Media+Arts+and+Technology&SearchType=occupation)
## AUDIO ENGINEERING CONCENTRATION (MRTA)

### A Degree in Media Arts and Technology

Courses in the Audio Engineering Concentration focus on skills necessary to pursue positions in professional sound engineering. Through hands-on training, specialized classroom study, and research, students receive training in all aspects of the industry. Graduates can explore careers in music, radio, television, cinema, gaming, and theatre.

### Year 1

#### Fall
- MAT 126: Topics In Mathematics (or higher) 3 Credits
- MRT 112: Introduction to Audio Production 1 3 Credits
- ENG 101: College Writing I 3 Credits
- MRT 110: Fundamentals of Video Production 3 Credits
- MRT 105: Introduction To Mass Media 3 Credits

#### Spring
- ENG 102: College Writing II 3 Credits
- MRT 122: Fundamentals of Audio Postproduction 1 3 Credits
- MRT 106: Introduction to Human Communication 3 Credits
- Behavioral Social Science Elective 2 3 Credits
- Non-behavioral Social Science Elective 3 3 Credits

### Year 2

#### Fall
- MRT 211: Advanced Audio Production 1 3 Credits
- MRT 217: Critical Listening for Audio Engineers 1 3 Credits
- SPC 113: Speech (formerly THE113) 3 Credits
- MUS 103: Music Skills And Theory I 3 Credits
- Lab Science Elective 4 4 Credits

#### Spring
- MRT 228: Self Promotion and the Business of Media Arts 3 Credits
- MRT 224: Music Recording and Mixing Techniques 1 3 Credits
- MRT 123: Film Studies 3 Credits
- Business Elective 5 3 Credits
- General Elective 6 2-3 Credits

Total Credits: 60-61

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1. Students enrolled in MRTA must earn a grade of C or better in this course.
2. Behavioral Social Science Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).
3. Non-behavioral Social Science Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).
4. Lab Science Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).
5. Business Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).

### Campus

This program is offered on the Gardner campus only.

### Transfer Options

For transfer options, please click here. (http://catalog.mwcc.edu/academicresources/#transferinformationtext) It is recommended that you also consult with your academic advisor.

### Special Requirements

Technical standards must be met with or without accommodations.
**Career Options/Earning Potential**

For career options, please click here. (https://mwcc.emsicareercoach.com/#action=loadSearchResults&Search=audio+engineering&SearchType=occupation)

**PHOTOGRAPHY CONCENTRATION (MRTP)**

**A Degree in Media and Arts Technology**

This is a program that concentrates on the necessary skills for students to enter the field of professional digital photography. Today’s photographer is artistic, technically and technologically skilled, and business savvy. Photography Concentration degree holders can explore careers in studio/portrait photography, commercial photography, photojournalism, and digital imaging.

**Year 1**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAT 126 Topics In Mathematics (or higher)</td>
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<tr>
<td>PHO 115 Introduction To Digital Photography</td>
<td>3</td>
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<tr>
<td>ENG 101 College Writing I</td>
<td>3</td>
</tr>
<tr>
<td>GID 104 Digital Imaging (Photoshop) (Formerly CGD 104)</td>
<td>3</td>
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<tr>
<td>MRT 105 Introduction To Mass Media</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Spring</th>
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</tr>
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<tr>
<td>ENG 102 College Writing II</td>
<td>3</td>
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<tr>
<td>PHO 245 Commercial Photography</td>
<td>3</td>
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<tr>
<td>MGT 110 Introduction to Business</td>
<td>3</td>
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<tr>
<td>Humanities Elective</td>
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<tr>
<td>Non-behavioral Social Science Elective</td>
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**Year 2**

<table>
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<tr>
<td>PHO 240 Portrait Photography</td>
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<tr>
<td>PHO 215 Advanced Digital Photography</td>
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<td>MRT 123 Film Studies</td>
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<table>
<thead>
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<tr>
<td>MRT 228 Self Promotion and the Business of Media Arts</td>
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<tr>
<td>MRT 110 Fundamentals of Video Production</td>
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<td>MKT 142 Marketing</td>
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</table>

**Total Credits:** 60-61

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1. Students enrolled in MRTP must earn a grade of C or better in this course.
2. Humanities Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).
3. Non-behavioral Social Science Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).
4. Lab Science Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).
5. MRT 110 is offered Days only in Fall and Nights only in Spring.
6. Behavioral Social Science Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).

**Campus**

This program is offered on the Gardner campus only.

**Student Success Tips**

Students should have a computer with Photoshop or Photoshop Elements at home with Internet access. Students must spend additional time outside of class completing assignments.
**Transfer Options**
For transfer options, please click here. (http://catalog.mwcc.edu/academicresources/#transferinformationtext) It is recommended that you also consult with your academic advisor.

**Special Requirements**
Students must have a digital camera with complete manual focus and exposure control (preferably a digital SLR). Students should also have a tripod. Technical standards must be met with or without accommodations.

**Career Options/Earning Potential**
For career options, please click here (https://mwcc.emsicareercoach.com/#action=loadSearchResults&Search=photographer&SearchType=occupation).

**VIDEO/FILM CONCENTRATION (MRTV)**

**A Degree in Media Arts and Technology**
Students specifically interested in careers in video, television, filmmaking, or related industries may elect to complete this course of study. Students experience all aspects of preproduction, studio and location recording, and postproduction editing. Instruction includes extensive hands-on experience. Throughout the production process, emphasis is placed on efficient message design, effective storytelling techniques, and thorough preproduction planning.

**Year 1**

**Fall**

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<th>Course Code</th>
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<tr>
<td>MRT 110</td>
<td>Fundamentals of Video Production ¹</td>
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<tr>
<td>ENG 101</td>
<td>College Writing I</td>
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<tr>
<td>MRT 112</td>
<td>Introduction to Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>MRT 105</td>
<td>Introduction To Mass Media</td>
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**Spring**

<table>
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<tbody>
<tr>
<td>ENG 102</td>
<td>College Writing II</td>
<td>3</td>
</tr>
<tr>
<td>MRT 121</td>
<td>TV Studio Operations and Multicamera Production ¹</td>
<td>3</td>
</tr>
<tr>
<td>MRT 122</td>
<td>Fundamentals of Audio Postproduction ¹</td>
<td>3</td>
</tr>
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<td>MRT 106</td>
<td>Introduction to Human Communication</td>
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<td>Non-behavioral Social Science Elective ²</td>
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**Year 2**

**Fall**

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<tbody>
<tr>
<td>MRT 229</td>
<td>Video Postproduction (Formerly Editing Digital Video) ¹</td>
<td>3</td>
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<td>MRT 123</td>
<td>Film Studies</td>
<td>3</td>
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<td>SPC 113</td>
<td>Speech (formerly THE113)</td>
<td>3</td>
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<tr>
<td>MKT 241</td>
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**Spring**

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<tr>
<td>MRT 216</td>
<td>Digital Cinematography ¹</td>
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<tr>
<td>MRT 208</td>
<td>Writing For Visual Media (Formerly Scriptwriting) ¹</td>
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<td>MRT 228</td>
<td>Self Promotion and the Business of Media Arts</td>
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<td>Behavioral Social Science Elective ⁴</td>
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**Total Credits:** 60-61

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¹ Students enrolled in MRTV must earn a grade of C or better in this course.

² Non-behavioral Social Science Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).

³ Lab Science Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).

⁴ Behavioral Social Science Electives: See Elective Courses by Abbreviation (http://catalog.mwcc.edu/electivecoursesbyabbreviation/).

⁵ General Electives: See General Electives (http://catalog.mwcc.edu/electivecoursesbyabbreviation/) exceptions.
Campus
This program is offered on the Gardner campus only.

Transfer Options
For transfer options, please click here (http://catalog.mwcc.edu/academicresources/#transferinformationtext). It is recommended that you also consult with your academic advisor.

Special Requirements
Technical standards must be met with or without accommodations.

Career Options/Earning Potential
For career options, please click here. (https://mwcc.emsicareercoach.com/#action=loadSearchResults&Search=video +film&SearchType=occupation)

PHOTOGRAPHY -- PROFESSIONAL CERTIFICATE (PHO)
This is a program that concentrates on the necessary skills for students to enter the field of professional digital photography. Today’s photographer is artistic, technically and technologically skilled, and business savvy. Photography -- Professional Certificate holders can explore careers in studio/portrait photography, commercial photography, photojournalism, and digital imaging. They may also continue their educations to obtain associate degrees.

Year 1
Fall
ENG 101  
College Writing I  
PH 115  
Introduction To Digital Photography  
PH 240  
Portrait Photography  
GID 104  
Digital Imaging (Photoshop) (Formerly CGD 104)  
MGT 110  
Introduction to Business  

Spring
PH 215  
Advanced Digital Photography  
PH 245  
Commercial Photography  
MKT 142  
Marketing  
MRT 110  
Fundamentals of Video Production  

Total Credits: 27

1 Students enrolled in PHO must earn a grade of C or better in this course.
2 MRT 110 is offered Days only in Fall and Nights only in Spring.

Campus
This program is offered on the Gardner campus only.

Student Success Tips
Students should have a computer with Photoshop or Photoshop Elements at home with Internet access. Students must spend additional time outside of class completing assignments.

Special Requirements
Students must have a digital camera with complete manual focus and exposure control (preferably a digital SLR). Students should also have a tripod.

Technical standards must be met with or without accommodations.

Career Options/Earning Potential
For career options, please click here. (https://mwcc.emsicareercoach.com/ #action=loadSearchResults&Search=photographer&SearchType=occupation)

PROGRAM STUDENT LEARNING OUTCOMES FOR MRT, MRTA, MRTP, MRTV, PHO
Upon graduation from this program, students shall have demonstrated the ability to:
• Analyze and describe the component sectors, interrelationships, technology, and the legal and business practices associated with the media arts, and apply this understanding to projections for future developments and opportunities.
• Explain, analyze, and evaluate the media’s power and role in and on today’s society, and the legal and ethical issues that confront communications professionals.
• Set up and operate production equipment, and explain working interrelationships of the technical components.
• Demonstrate oral and written presentation skills unique to the media arts industry.
• Specify and design media solutions to fulfill identified communications objectives.
• Work individually and as part of a production team in developing communications projects from initial conception to final completion, while meeting industry-standardized guidelines.
• Employ media aesthetics to maximize communications effectiveness and create audience interest.
• Analyze career opportunities and individual strengths, apply effective job search and acquisition skills, and promote their professional skills and services in today’s marketplace.

In addition, students concentrating in Audio Engineering (MRTA) shall have proven:

• A clear command of microphone – choice, placement, technique, and treatment for varying tasks.
• Awareness of advanced audio signal paths, processing needs, and choice of processing order to acquire desired results.
• An ability to recognize through listening, the causes of quality in electronically handled sounds, with appreciation for what contributes to professional results and knowledge of remedies for improving what is poor.
• An understanding of technically assisted communication that compels a listener to embrace a message, story or song.

In addition, students concentrating in Photography (MRTP) shall have proven:

• A command of the creative and effective use of lenses, apertures, and shutter speeds.
• Mastery of the techniques for controlling the use of natural and artificial light.
• An understanding of the different output demands of specific industry segments.
• The ability to quickly and efficiently capture and initially edit raw and jpeg photos.

In addition, students concentrating in Video/Film (MRTV) shall have proven:

• An understanding and critical appreciation of the history, theory, and technique common to effective film and video production.
• Mastery of advanced camera, lighting, editing and directing skills, and postproduction workflows.
• The ability to integrate strong technical expertise, knowledge of communication theory, and creative storytelling technique to produce visually compelling production.
TECHNICAL STANDARDS ¹ FOR MRT, MRTA, MRTP, MRTV

Students entering this program must be able to demonstrate the ability to:

- Comprehend textbook material at the 11th grade level.
- Communicate and assimilate information either in spoken, printed, signed, or computer voice format.
- Gather, analyze, and draw conclusions from data.
- Distinguish the movement of meter displays, positions of knobs on equipment, and images through camera lenses and/or small camera screens.
- Differentiate content, tones, and words in sound recordings.
- Work as a member of a production team.
- Function as production manager, including decision making and scheduling.
- Appropriately use production equipment with or without accommodations.

TECHNICAL STANDARDS ² PHO

Students entering this program must be able to demonstrate the ability to:

- Comprehend textbook material at the 11th grade level.
- Communicate and assimilate information either in spoken, printed, signed, or computer voice format.
- Gather, analyze, and draw conclusions from data.
- Read and proof printed text from a computer screen, with or without corrective adaptive devices.
- Compose and focus a digital photograph with or without corrective adaptive devices.
- Exhibit social skills appropriate to professional interactions.
- Perceive, interpret, and use graphic images in their entirety from a computer screen.

INDUSTRY STANDARDS

Jobs within the various media industries require a wide range of physical and mental capacity for career success. Students seeking employment within these industries should review the following information carefully when deciding to engage in this course of study.

Tasks

Most jobs in media production require the following:

- Recording speech, music, or other sound on various types of equipment.
- Quickly setting up and taking down equipment used in recording, via audio/video/film, in studios or on location, of scripted, produced, or live performances.
- Loading and unloading equipment that may be in excess of 50 lbs. in/from storage rooms, vans, or production trucks.
- Quickly choosing most appropriate equipment (e.g. microphones, lenses, lights, stands).
- Carrying, connecting, tracing, and coiling various cables.
- Documenting equipment settings, content, and technical notes.
- Efficiently using specialized electronic equipment during production and post production.
- Troubleshooting and resolving issues with signal flow and software.
Skills

Careers in the Media Arts typically demand the following skills:

- **Active Listening** - Giving full attention to what other people are saying, taking time to understand the points being made and asking questions for clarification as appropriate.

- **Speaking** - Talking to others to convey information effectively.

- **Critical Thinking** - Using logic and reasoning to identify alternative solutions, conclusions, and approaches to problems.

- **Reading Comprehension** - Understanding written sentences and paragraphs in work-related documents, production documentation, and equipment manuals.

- **Complex Problem Solving** - Identifying complex problems and reviewing all necessary information to develop and evaluate options and implement solutions.

- **Active Learning** - Understanding the implications of new information for both current and future problem-solving, troubleshooting, and decision making.

- **Operation and Control** - Controlling operations of equipment or systems.

- **Troubleshooting** - Determining causes of operating errors and deciding what to do about it.

- **Equipment Selection** - Determining the kind of tools and equipment are needed to complete a job safely and efficiently.

Students with disabilities

MWCC’s Media Arts & Technology program will comply with Section 504 of the Rehabilitation Act of 1973 and Title III of the Americans with Disabilities Act of 1990. The mission of the department is to train individuals for technical and/or non technical entry-level positions within various media industries. Mount Wachusett Community College’s ADA Policy outlines accommodations available to students with disabilities. It is strongly recommended that prior to investing time and monetary resources, a prospective student with a known disability meet with the Coordinator of Disability Services to discuss their potential for success in the Media Arts Industries.

Persons with disabilities in any of the following areas are urged to speak to the Coordinator of Disability Services about these before entering this course of study:

- **Near Vision** - The ability to see details at a close range (e.g. reading dial or meter settings on production equipment and camera screens).

- **Oral Expression** - The ability to communicate information and ideas in speaking so others will understand.

- **Oral Comprehension** - The ability to listen and understand information and ideas presented through spoken words and sentences.

- **Written Expression** - The ability to communicate and ideas in writing so others can understand (e.g. production documentation).

- **Hearing Sensitivity** - The ability to detect or tell the differences between sounds that vary in pitch and loudness.

- **Information Ordering** - The ability to arrange things or actions in a certain order or pattern (e.g. signal flow, color coding).

- **Selective Attention** - The ability to focus on a single source of sound in the presence of other distracting sounds.

- **Sound Localization** - The ability to tell the direction from which a sound originated.

- **Deductive Reasoning** - The ability to apply general rules to specific problems to produce answers that make sense.

- **Finger Dexterity** - The ability to make precisely coordinated movements of the fingers to grasp, move, manipulate, or assemble small objects (e.g. connecting wires, cables, and adjusting small buttons and knobs).

- **Time Sharing** - The ability to shift back and forth between two or more activities or sources of information.

- **Memorization** - The ability to remember information such as words, numbers, and procedures.
MRT 105. Introduction To Mass Media (Formerly BCT 105). 3 Credits.
Students examine the effects and impact of the mass media on contemporary life. Emphasis is on the influence of television, film, radio, Internet, and print media in such areas as entertainment, news, politics, advertising, popular culture, and human behavior. Prerequisites: ENG 098, FYE 101, RDG 098, or placement.

MRT 106. Introduction to Human Communication. 3 Credits.
The course introduces students to key concepts, perspectives, research fields, and methods in the study of human communication. Weekly content balances theoretical approaches and practical skill development. The role of the individual and the influence of society in communication processes are discussed. Prerequisite: ENG 098, FYE 101, RDG 098, or placement.

MRT 110. Fundamentals of Video Production. 3 Credits.
Students are introduced to the basics of video recording and editing. Instruction focuses on developing the pre-production, production, and post production expertise required to successfully plan and execute video programs. An overview of video technology is included. MRTV students must earn a C or better in the course. Fall (days). Spring (nights). Prerequisites: ENG 098, FYE 101, RDG 098, or placement.

MRT 112. Introduction to Audio Production. 3 Credits.
Students are introduced to the basic procedures and skills used by audio professionals. In order to achieve a basic understanding of sound as it relates to media productions, students perform recording and editing techniques of dialog, radio style production, as well as studio and location sound practices used for video and film. Two hours lecture and two lab hours per week. MRTA students must earn a C or better in the course. Fall (days). Spring (nights). Prerequisites: ENG 098, FYE 101, RDG 098, or placement.

MRT 121. TV Studio Operations and Multicamera Production. 3 Credits.
This course encompasses the processes, equipment, facilities, and skills employed in television studio and multicamera production. Emphasis is placed on the operation of cameras, switchers and related equipment, the responsibilities of the production crew, and the direction of live-switched, multicamera production. MRTV students must earn a C or better in the course. Prerequisite: MRT 110. Spring.

MRT 122. Fundamentals of Audio Postproduction. 3 Credits.
Students are introduced to equipment, procedures, and techniques used on location and in studios for careers in audio for the television and film industries, with an emphasis on post production signal processing and editing. This course builds on the information and skills acquired in MRT 112 Introduction to Audio Production. Two hours lecture and two hours lab per week. MRTA and MRTV students must earn a C or better in the course. Prerequisites: MRT 112. Spring.

MRT 123. Film Studies. 3 Credits.
The course introduces students to key concepts of film analysis and production, including film narration, language, technology, history, genres, styles, and issues of gender, ethnicity, and identity. American and global cinemas will be discussed. Prerequisites: ENG 098, FYE 101, RDG 098, or placement.

MRT 202. Media Arts & Technology Internship I. 3 Credits.
In this course, students earn academic credit while gaining on-the-job experience and training at a broadcast operation or other electronic media-related facility. The student's performance is evaluated by the instructor and the employer. The student will participate in periodic seminars with the course coordinator, and must prepare a detailed account of the internship at the end of the semester. Offered occasionally. Prerequisites: Minimum of 21 college-level credit hours completed.

MRT 208. Writing For Visual Media (Formerly Scriptwriting). 3 Credits.
Students are introduced to various forms of writing for mass media, including but not limited to writing for print, broadcast, and visual production. During the course of the semester, students will produce appropriately formatted scripts for their portfolios. MRTV students must earn a C or better in the course. Prerequisites: ENG 101; Students enrolled in MRTV should also take recommended corequisite MRT 216. Spring.

MRT 211. Advanced Audio Production. 3 Credits.
This course builds on information and skills acquired in MRT 112 and MRT 122. Students gain competency with configurations of complex audio systems, matrixes of multibus mixers, digital mixers, advanced techniques in dialog recording, tone shaping, and music editing. Foley work, sweetening, and mixing for picture are major parts of this course. MRTA students must earn a C or better in the course. Prerequisite: MRT 122. Fall.

MRT 216. Digital Cinematography. 3 Credits.
Students employ production skills acquired in previous classes to effectively craft creative and compelling visual stories and movies. In this course students combine the aesthetics, concepts, and techniques filmmakers have practiced since the days of silent films with contemporary digital technology to create films that will effectively inform, entertain, or persuade today's discerning audiences. MRTV students must earn a C or better in the course. Prerequisites: MRT 229; Students enrolled in MRTV should also take recommended corequisite MRT 208. Spring.
MRT 217. Critical Listening for Audio Engineers. 3 Credits.
This course focuses on awareness of sound. Ear training and auditory recognition are developed through directed listening tasks, discussions, and research. Topics include types of listening, listening environments, sound systems and devices, eras in sound, including equipment and technique, with analytical study of sound engineers’ choices in broadcast, cinematic and musical genres. MRTA students must earn a C or better in the course. Prerequisite: MRT 122. Fall.

MRT 223. Independent Study In Media and Electronic Arts. 3 Credits.
This course is an advanced practicum experience in which the individual student, under the guidance of a staff member, develops his/her broadcast telecommunications skills at a professional level. Prerequisite: Permission of division dean. Offered occasionally.

MRT 224. Music Recording and Mixing Techniques. 3 Credits.
This course is the culmination of audio training at MWCC. Students are trained in methods of both recording and mixing music. Sonic spaces, microphone choice and placement, equipment preference and sequence, technical and personal etiquette in recording musical performances involving audiences, stages, or studios - are all practiced in hands-on training in small to large production crews. Mix training utilizes class recordings of live musicians and other prerecorded material. Students mix projects from start to finish, and assist or complete professional-level mixes with the instructor. Training in mastering is applied to an audio portfolio of the student’s best to work to date. MRTA students must earn a C or better in the course. Prerequisite: MRT 211. Spring.

MRT 228. Self Promotion and the Business of Media Arts. 3 Credits.
This course prepares students to advance their careers in the media arts. Students learn to use social media and personal and industry websites to market themselves to employers and clients. Effective job searching, proposal writing, and resume development are covered. Freelancing, small business operations, and professional/ethical responsibilities are emphasized. Students research legal issues such as copyright and trademarks, contracts and tax structures that impact on the media professional. Offered as independent study by permission of division dean for night students. Prerequisite: ENG 102. Spring.

MRT 229. Video Postproduction (Formerly Editing Digital Video). 3 Credits.
Building on their knowledge of video production, students will develop expertise in the technology and techniques of digital, nonlinear editing. This course introduces the fundamental concepts, terminology, and operation of nonlinear editing systems. Throughout the course, students develop an understanding of the techniques and aesthetics video and film editors employ as effective storytellers. Using industry standard, nonlinear editing systems, students practice applying the craft of editing, assembling sequences of pictures and sounds to create finished programs including titles, graphics, and special effects. MRTV students must earn a C or better in the course. Prerequisite: ENG 102. Spring.

PHO 115. Introduction To Digital Photography. 3 Credits.
This introductory course covers the technical and artistic aspects of capturing and editing digital images. Students will learn how to create artistic images for print and electronic distribution. Emphasis is placed on the camera and how to use it, lighting, electronic capture and manipulation techniques, and photographic composition. Basic computer skills are required: Ability to use a computer operating system and follow basic procedures including keyboarding/mouse skills, as well as system commands such as working with directories/folders, and opening/closing applications. PHO and MRTP students must earn a C or better in the course. Prerequisites: ENG 098, RDG 098 or placement.

PHO 215. Advanced Digital Photography. 3 Credits.
This course is designed to go beyond the basic skills learned in PHO 115 Intro to Digital Photography. It is designed to allow students to reach a new level of artistic achievement. Students will learn to maximize the strengths and minimize the weaknesses of this medium. The course incorporates use of the latest tools and techniques of digital capture and manipulation. It also uses some traditional film techniques that are modified slightly to apply to a digital environment. A fully adjustable digital camera is required. Point and shoot cameras, and cell phones are not suitable photographic instruments for this course. A tripod is strongly recommended. PHO and MRTP students must earn a C or better in the course. Prerequisite: PHO 115.

PHO 240. Portrait Photography. 3 Credits.
The art of photographing people is explored. Lighting, posing, and composition are covered. Various styles of portraiture are introduced. These include corporate portraits, casual and personality portraits, and wedding portraits; as well as more avant-garde styles such as film noire. Studio, location, and natural lighting will be used. Color balancing and facial retouching will be covered. A fully adjustable digital camera is required. Point and shoot cameras, and cell phones are not suitable photographic instruments for this course. A tripod is strongly recommended. PHO and MRTP students must earn a C or better in the course. Fall.

PHO 245. Commercial Photography. 3 Credits.
Some of the world’s most artistic photos are made for the purpose of advertising. This exciting area of photography will be explored. In addition to small product and catalogue photography, this course explores the more complex and creative photographs used for various publication covers, web and magazine ads, and trade show displays. Advanced digital editing and manipulation will be discussed. Estimating and billing will also be covered. A fully adjustable digital camera is required. Point and shoot cameras, and cell
phones are not suitable photographic instruments for this course. A tripod is strongly recommended. PHO and MRTP students must earn a C or better in the course. Prerequisite: PHO 115. Spring.