

## Technology Management: Computer Multimedia Graphics Option

### Bachelor of Science (BS)

# Computer Multimedia Graphics Option

Technology management is a field of study designed to prepare technical and/or management oriented professionals for employment in business, industry, education, and government.



Technology management is primarily involved with the management, operation, and maintenance of complex technological systems while engineering and engineering technology are primarily involved with the design and installation of these systems.

#### Technology management: computer multimedia graphics students will...

- Use electronic equipment and software for the preparation of copy, including design, editing, and typography.
- Acquire and edit digital images. The digital still camera and its operations are stressed along with computer image editing software.
- Be introduced to multimedia software, hardware, the integration of text, technical graphics, sound, animation, webpage design, and digital publishing.
- Be introduced to the digital video camera and video editing suite and produce personal and corporate videos in individual and group settings.
- Be exposed to Autodesk Maya, Mudbox, the Adobe Creative Suite, and Adobe Lightroom.

#### Career Planning

A St. Louis Outreach Office, located in Chesterfield, Mo., provides career exploration assistance, resume critiques, interview tips, job search strategies, and more.

Demonstrated Career Proficiency is a Requirement of all Southeast Students		
CL001/CL002	First Semester	Complete the FOCUS2 assessment and develop a Career Action Plan.
CL003	Junior Year	Students gain information about career planning and job searching resources.
CL004	Senior Year	Students demonstrate advanced proficiency by identifying a position in their field, developing a cover letter, and tailoring a resume for the position. Materials are critiqued to ensure preparedness for a successful job search.
<b>Career Services</b> , located in Academic Hall 057, provides professional career advising to guide students in their career development.		

#### Career Opportunities

- 3-D Animator
- Video Game Designer
- Web Designer
- Interactive Developer
- Graphic Designer
- Design Supervisor
- Video Production/Editor
- Digital Publisher

#### Professional and Student Organizations

The Student Photography Association provides members with opportunities to make photographic work in digital or film. Film processes include developing and printing of original photographic work, toning prints, using halo chrome and liquid light, and other darkroom techniques. Members organize photographic field trips and outings for additional experience.

**To learn more**  
Office of Admissions  
(573) 651-2590  
admissions@semo.edu  
semo.edu

**To explore**  
the College of  
Science, Technology and  
Agriculture online, visit  
semo.edu/costa

**For advising**  
College of Science, Technology and  
Agriculture Advising Center  
(573) 651-5930  
semo.edu/costa/advising/index.htm

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This is a guide based on the 2014-2015 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use DegreeWorks to monitor their individual progress.

### CURRICULUM CHECKLIST

#### Technology Management: Computer Multimedia Graphics Option – 86 Hours

- \_\_\_ CH181/081/001 Basic Principles of Chemistry (5)
  - \_\_\_ GM180 Introduction to Technical Graphics (3)
  - \_\_\_ GM200 Vector & Bitmapped Graphics for Industry (3)
  - \_\_\_ GM282 Vector Graphics (3)
  - \_\_\_ GM320 Graphic User Interface Design (3)
  - \_\_\_ GM326 Interactive Multimedia (3)
  - \_\_\_ GM380 3D Modeling & Animation Prod (3)
  - \_\_\_ GM385 HD Video for Multimedia (3)
  - \_\_\_ GM386 Interactive Multimedia & Animation (3)
  - \_\_\_ GM480 3D Animation Pipeline (3)
  - \_\_\_ GM490 Advanced Graphics Projects (3)
  - \_\_\_ IM102 Technical Communication (3)
  - \_\_\_ IM301 Industrial Safety (3)
  - \_\_\_ IM311 Statistical Process Control (3)
  - \_\_\_ IM419 Industrial Supervision (3)
  - \_\_\_ IM506 Projects in IET (3)
  - \_\_\_ MA133 Plane Trigonometry (3)
  - \_\_\_ MA134 College Algebra (3)
  - \_\_\_ MN220 Engineering Econ Analysis (3)
  - \_\_\_ MN260 Technical Computer Programming Applications (3)
  - \_\_\_ PG284 Photography Fundamentals (3)
  - \_\_\_ PG285 Commercial Photographic Lighting (3)
  - \_\_\_ PG286 Commercial Studio Photography (3)
  - \_\_\_ PG384 Commercial Photography I (3)
  - \_\_\_ PH106/006 Physical Concepts (3)
  - \_\_\_ SW207 Understanding Cultural & Social Diversity (3)
  - \_\_\_ TN254 Fiber Optics & Network Communications (3)
- OR**
- \_\_\_ TN255 Microcomputer Maintenance & Troubleshooting (3)
  - \_\_\_ UI410 Manufacturing Research in a Global Society (3)

#### University Studies Requirements (not already listed above):

UI100 First Year Seminar, EN100 English Composition, Written Expression, Oral Expression, Literary Expression, Behavioral Systems, Living Systems, Development of a Major Civilization, Political Systems, and two IU/UI3XX

### SAMPLE FOUR-YEAR PLAN

#### Technology Management: Computer Multimedia Graphics Option

Requirements for the 2014-2015 Undergraduate Bulletin

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
<b>FIRST YEAR</b>	UI100	3	GM200	3
	EN100	3	IM102	3
	GM180	3	IM301	3
	MA134	3	MA133	3
	Behavioral Systems	3	Written Expression	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
<b>SECOND YEAR</b>	GM282	3	CH181/081/001	5
	GM380	3	GM386	3
	PG284	3	PG285	3
	TN255 or TN254	3	PH106/006	3
	Oral Expression.	3	MN260	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>17</b>
<b>THIRD YEAR</b>	GM385	3	GM320	3
	IM311	3	MN220	3
	PG286	3	PG384	3
	Dev. of a Majr. Civ.	3	SW207	3
	IU/UI3XX	3	Elective	1
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>13</b>
<b>FOURTH YEAR</b>	GM326	3	GM490	3
	GM480	3	IM419	3
	Literary Expression	3	IM506	3
	Living Systems	3	UI410	3
	IU/UI3XX	3	Political Systems	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

**Degree requirements for all students:** a minimum of 120 credit hours, completion of University Studies program, career proficiencies (CL001-004), Writing Proficiency Exam (WP003), and completion of the Measure of Academic Proficiency and Progress (MAPP) at the freshman and senior levels

Refer to the Undergraduate Bulletin or DegreeWorks for additional graduation requirements (i.e., minimum GPA and course work) for your program of study.

Revised  
02/18/2014