

**Associate of Applied Science (AAS)**

Technical Computer Graphics Option

Computer Technology is an Associate of Applied Science (AAS) Degree major. AAS degrees are traditionally technically focused, with some general education requirements. If your interest is in technically-oriented tasks such as designing and implementing computer networks and telecommunication systems; solving manufacturing process and production problems; programming computer numerical control (CNC) machines for automated machine operations, designing computer animation and graphics; or designing multimedia projects, then one of the computer technology options might be for you. All of the options transition smoothly into bachelor degree options upon completion.

**Technical Computer Graphics**

The Technical Computer Graphics option is designed to provide you with a background in the technical communication industry. The program provides a full background in 2-D and 3-D design, including web design, video editing, multimedia, animation, graphic design, and photography.

Upon completing this option, students may easily transition to a Bachelor of Science Degree Technology Management Major with a Computer and Multimedia Graphics option.

***This program is eligible for the Southeast A+ Scholarship.***

**Career Planning**

| 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. |
| Career Services, located in Academic Hall 057, provides professional career advising to guide students in their career development. |                |                                                                                                                                                                                                                                     |

**Career Opportunities**

- Web Designer
- Interactive Developer
- Graphic Designer
- Design Supervisor

**Professional and Student Organizations**  
**Student Photography Association**

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.

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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****Computer Technology: Technical Computer Graphics Option – 70 hours**

- \_\_\_ CH 181 Basic Principles of Chemistry (5)
- \_\_\_ EN 100 English Composition I (3)
- OR
- \_\_\_ EN 140 Rhetoric & Critical Thinking (3)
- \_\_\_ IM 102 Technical Communications (3)
- \_\_\_ IM 301 Industrial Safety Supervision (3)
- \_\_\_ IM 419 Industrial Supervision (3)
- \_\_\_ MA 133 Plane Trigonometry (3)
- \_\_\_ MA 134 College Algebra (3)
- \_\_\_ MN 260 Tech Computer Programming (3)
- \_\_\_ PH 106 Physical Concepts (3)
- \_\_\_ PS 103 U.S. Political Systems (3)
- \_\_\_ SC 105 Fundamentals of Oral Communications (3)
- Technical Computer Graphics option**
- \_\_\_ GM 180 Introduction to Technical Graphics (3)
- \_\_\_ GM 200 Vector & Bitmapped Graphics for Industry (3)
- \_\_\_ GM 282 Vector Graphics (3)
- \_\_\_ GM 320 Graphic User Interface Design (3)
- \_\_\_ GM 380 3D Modeling & Animation Prod (3)
- \_\_\_ GM 385 HD Video for Multimedia (3)
- \_\_\_ GM 386 Interactive Multimedia & Animation (3)
- \_\_\_ GM 490 Advanced Graphics Projects (3)
- \_\_\_ PG 284 Photography Fundamentals (3)
- \_\_\_ PG 285 Commercial Photographic Lighting (3)
- \_\_\_ TN 254 Fiber Optics & Network Communication (3)
- OR
- \_\_\_ TN 255 Microcomputer Maintenance & Troubleshooting (3)

**SAMPLE FIVE-SEMESTER PLAN**
**Computer Technology:  
Technical Computer Graphics Option**  
 Requirements for the 2014-2015 Undergraduate Bulletin

| ▶           | Fall Semester  |           | Spring Semester |           |
|-------------|----------------|-----------|-----------------|-----------|
|             | Course #       | Hrs       | Course #        | Hrs       |
| FIRST YEAR  | EN100/EN140    | 3         | GM282           | 3         |
|             | GM180          | 3         | IM102           | 3         |
|             | GM200          | 3         | MN260           | 3         |
|             | MA133          | 3         | PG284           | 3         |
|             | MA134          | 3         | PH106/006       | 3         |
|             | <b>Total</b>   | <b>15</b> | <b>Total</b>    | <b>15</b> |
| SECOND YEAR | CH181/081/001  | 5         | GM380           | 3         |
|             | GM385          | 3         | GM386           | 3         |
|             | IM301          | 3         | GM490           | 3         |
|             | TN255 or TN254 | 3         | PG285           | 3         |
|             | <b>Total</b>   | <b>14</b> | <b>Total</b>    | <b>15</b> |
| THIRD YEAR  | GM320          | 3         |                 |           |
|             | IM419          | 3         |                 |           |
|             | PS103          | 3         |                 |           |
|             | SC105          | 3         |                 |           |
|             | <b>Total</b>   | <b>12</b> |                 |           |

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

Revised  
02/20/2014