

# INFORMATION SYSTEMS TECHNOLOGY: DIGITAL DESIGN AND GRAPHICS

**Award:** Associate of Applied Science

**Major:** Information Systems Technology

**Specialization:** Digital Design and Graphics

**Additional Program Information:** <https://www.brcc.edu/academics/programs/ist/>

**Additional Potential Funding Information:** <https://www.brcc.edu/g3/>

The A.A.S. degree in Information Systems Technology with a specialization in Digital Design and Graphics, utilizing technological and software skills, focuses on pre-print production, typography and enhanced digital design applications. Graduates from this specialization can expect to find entry level jobs in graphic and digital design fields.

## Required Courses Curriculum

Course	Title	Credit Hours
<b>First Semester</b>		
ART 283	Computer Graphics I	3
ITE 119	Information Literacy	3
ENG 111 or ENG 115	College Composition I <sup>1</sup> or Technical Writing	3
Select one of the following		3
MTH 111	Basic Technical Mathematics <sup>2</sup>	
MTH 154	Quantitative Reasoning	
MTH 161	Precalculus I	
ITN 107	Personal Computer Hardware and Troubleshooting	3
SDV 101	Orientation (For IT Professionals)	2
		Credit Hours
		17
<b>Second Semester</b>		
ART 284	Computer Graphics II	3
ITN 106	Microcomputer Operating Systems	3
ITN 208	Protocols and Communications TCP/IP	4
ITP 100 or CSC 200	Software Design or Introduction to Computer Science	3
Select one of the following		3
ENG 112	College Composition II <sup>1</sup>	
General Education Elective ( <a href="https://catalog.brcc.edu/programs-study/general-education-aas">https://catalog.brcc.edu/programs-study/general-education-aas</a> )		
		Credit Hours
		16
<b>Third Semester</b>		
ITD 110	Web Page Design I	3
ITD 130	Database Fundamentals	3
ITE 120	Principles of Information Systems	3
ITN 260	Network Security Basics	3
Select one of the following		3
ART 131	Fundamentals of Design I	
ART 121	Drawing I	
PHT 264	Digital Photography II	
IT Elective <sup>3</sup>		3
		Credit Hours
		18
<b>Fourth Semester</b>		
ITP 296 or ITP 298	On-site Training in ITP <sup>4</sup> or Seminar & Project	3

ART 115	Current Issues in Web Design	1
ITD 210	Web Page Design II	3
ITE 160	Introduction to E-Commerce	3
Social and Behavioral Science Elective ( <a href="https://catalog.brcc.edu/programs-study/general-education-aas/#social">https://catalog.brcc.edu/programs-study/general-education-aas/#social</a> ) <sup>5</sup>		3
Literature/Humanities/Fine Arts Elective ( <a href="https://catalog.brcc.edu/programs-study/general-education-aas/#literature">https://catalog.brcc.edu/programs-study/general-education-aas/#literature</a> )		3
Credit Hours		16
Total Credit Hours		67

<sup>1</sup> Students intending to transfer to a four-year institution should select ENG 111 and ENG 112.

<sup>2</sup> Students intending to transfer to a four-year institution should select MTH 154 or MTH 161.

<sup>3</sup> IT electives include ACC 211, all 100-200 level ITE, ITD, ITP, and ITN courses not already required in the program.

<sup>4</sup> The internship or capstone project should be completed in the last semester of the program. Credit for these courses may not be obtained through the College's advanced standing process.

<sup>5</sup> Recommended elective ECO 201 or ECO 202.

## Certificates

### Cybersecurity and Networking Foundations

**Award: Career Studies Certificate**

**Additional Program Information:** <https://www.brcc.edu/g3/>

This curriculum is designed to provide students with fundamental knowledge and skills in computer networking, cyber threats, and how to secure hardware/software from vulnerabilities.

Code	Title	Credit Hours
ITN 106	Microcomputer Operating Systems	3
ITN 107	Personal Computer Hardware and Troubleshooting	3
ITN 208	Protocols and Communications TCP/IP	4
ITN 260	Network Security Basics	3
ITP 100	Software Design	3
or CSC 200	Introduction to Computer Science	
SDV 101	Orientation (for IT Professionals)	2
Total Credit Hours		18

### Foundations in Digital Design and Graphics

**Award: Career Studies Certificate**

**Additional Program Information:** <https://www.brcc.edu/g3/>

The Career Studies Certificate in Foundations of Digital Design and Graphics utilizes technological and software skills, focuses on pre-print production, typography and enhanced digital applications. Graduates from this specialization can expect to find entry level jobs in graphic and digital design fields.

Code	Title	Credit Hours
ITE 119	Information Literacy	3
ART 283	Computer Graphics I	3
ITD 130	Database Fundamentals	3
ITD 110	Web Page Design I	3
ART 115	Current Issues in Web Design	1
Select two of the following:		6
ART 131	Fundamentals of Design I	
ART 121	Drawing I	
PHT 264	Digital Photography II	

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ITE 160	Introduction to E-Commerce	3
Total Credit Hours		22