

Semester III (Fall)	EET 1012	Electrical Circuits I W/Lab.....	3
	PHIL 2400	Introduction to Ethics	3
	MET 1040	Applied Statics	3
	MET 2810	Destructive & Nondestructive Testing	3
Semester IV (Spring)	CHEM 1110	General Chemistry I	4
	MET 1051	Strength of Materials	4
	MET 2310	Geometrics & Coordinate Measuring.....	4
	MET 2820	Statistical Process Control	4
	SOC 1010	General Sociology	
	or SOC 1020	Social Problems & Social Change	3
Total Credit Hours Needed for Graduation:			64

MEDIA TECHNOLOGIES

Program Description: The Media Technologies program encompasses related career-technical disciplines in four general concentrations: Communication Graphics Technology, Photography, Video Production Technology and Web Technology. Students will earn an Associate of Applied Science degree in a cross-disciplinary environment that reflects the trend in industry. The program employs instructors with years of practical experience and is guided by working professionals.

The Media Technologies program is designed to offer greater flexibility to students who can, working with an advisor, design a custom curriculum best suited to their needs and interests. The program offers certificates for those needing broader, deeper and/or upgraded training. To learn more about these options, see the Certificate Programs section of this Catalog and Handbook.

Communication Graphics Technology Concentration. The Communication Graphics Technology concentration educates students in the art of visual communications. The student receives hands-on training in visual fundamentals; problem-solving; and visual/verbal concept development for advertising, graphic design and illustration. Emphasis is placed on the use of computer-enhanced technology and contemporary software applications throughout the program to support the development of professional portfolios. Career opportunities typically include work with the following: design consulting firms, advertising agencies, electronic prepress service bureaus, media outlets and printing companies, in-house agencies, Web page design and development firms and freelance practice.

Photography Concentration. The Photography concentration is designed for the individual interested in a career in photography as a staff photographer for a publication, business or industry, a photofinishing technician, a digital imaging technician, photographic support industry personnel, freelance photographer or studio owner/manager. Electives allow the student to specialize in commercial photography, photojournalism, portraits, weddings or photofinishing.

Video Production Technology Concentration. The Video Production concentration offers condensed, but intensive hands-on experience with industry-standard equipment and processes. Students learn to work in a broadcast studio and on location. They use commercially popular analog and digital equipment and software. They are offered basic and advanced training in scriptwriting, audio recording and mixing, electronic cinematography and lighting, producing, directing, budgeting and computer applications. Typical job opportunities include videographer, editor, video illustrator and production assistant.

Web Technology Concentration. The Web Technology concentration offers an AAS degree built around Certified Internet Web (CIW) Professional certification that validates students’ competency in IT industry standards and proves their knowledge of leading hardware and software technology. PSTCC currently offers courses that lead to Master CIW Designer and Master CIW Web Site Manager certifications. These national certifications are built into the associate’s degree and Web certificates. These IT professionals develop and maintain Web sites using authoring and scripting languages, create content and digital media, manage and deploy e-business solutions servers, manage Web servers and maintain Web sites for small- to large-scale enterprises. The program is delivered completely over the Internet, enabling individuals to have greater access and opportunity to fill information technology-based jobs. PSTCC also serves as the regional online CIW Faculty Institute to train teachers of Web Design courses. Typical job opportunities include: E-Commerce specialist, Webmaster, Web site designer, Web site developer, online services manager and Web site manager.

Degree: Associate of Applied Science (A.A.S.)

After successfully completing the Media Technologies program, the graduate will be equipped to do the following:

- I. Create media that communicate the desired message to the intended audience.
- II. Use a wide variety of industry-standard equipment, techniques, software, hardware and materials to produce the appropriate content.
- III. Demonstrate various styles in communications media that display a grasp of both design and communication principles and techniques.
- IV. Demonstrate proficiency in the techniques and equipment that facilitate adaptation to constantly changing media.
- V. Understand and respect the rights and responsibilities of the artist, subject, client, user and employer, including intellectual property rights.
- VI. Create a portfolio demonstrating design and communication skills, technical competence, and industry standards and practices.

Contact(s): Communication Graphics Technology, David Gilbert, (865) 694-6750, dgilbert@pstcc.edu; Photography, KD Lawson, (865) 971-5219, kdlawson@pstcc.edu; Video Production Technology, Ron Bellamy, (865) 694-6444, rbellamy@pstcc.edu; Web Technology, Gay Bryant, (865) 694-6488, gbryant@pstcc.edu

***Media Technologies/Communications Graphics Technology Concentration—
Courses and Course Sequences***

This sequence can be followed by students who begin college-level work in the fall semester. Prerequisites may apply to specific courses; it is the student’s responsibility to determine if prerequisites have been met. An academic advisor is provided for each student. Prior to registering each semester, the student is expected to consult with his/her assigned advisor.

Semester I (Fall)	ART 1011	Drawing I	3
	CGT 1030	Introduction to Macintosh Graphic Design	3
	CGT 1950	Design Fundamentals	3
	MDT 1000	Introduction to Media Technologies	3
	ENGL 1010	English Composition I	3

Semester II (Spring)	CGT 1040	Digital Photography	3
	CGT 1105	Digital Graphic Design I	4
	CGT 1110	Typography	3
	CGT 1911	Portfolio	1
	HUM *	Humanities/Fine Arts Elective	3
Semester III (Fall)	CGT 2005	Digital Graphic Design II	4
	CGT 2040	Computer Illustration	3
	CGT 2140	Desktop Publishing.....	3
	GEN ED 1	General Education Elective.....	3-5
	MATH/NS *	Mathematics/Natural Sciences Elective	3-5
Semester IV (Spring)	CGT 2105	Digital Graphic Design III	4
	MDT 2	Media Technologies Electives	6
	MDT 2998	Media Technologies Internship	2
	SBS *	Social/Behavioral Sciences Elective	3-4
	Total Credit Hours Needed for Graduation:		

GEN ED 1 General education elective to be chosen from one unduplicated course in the categories of communication, humanities/fine arts, mathematics/natural sciences, or social/behavioral sciences in the General Education Courses section of this Catalog and Handbook.

MDT 2 Media technologies elective to be chosen from CGT 1510, 2045, 2050, 2160, 2240; PHO 2060; VPT 1030; WEB 2000, 2110, 2120, 2400 based on students' career needs and interests. Electives must be approved by the student's advisor or the program coordinator. Some courses may require prerequisites.

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* See the General Education Courses section of this Catalog and Handbook for electives.

***Media Technologies/Photography Concentration—
Courses and Course Sequence***

This sequence can be followed by students who begin college-level work in the fall semester. Prerequisites may apply to specific courses; it is the student's responsibility to determine if prerequisites have been met. An academic advisor is provided for each student. Prior to registering each semester, the student is expected to consult with his/her assigned advisor.

Semester I (Fall)	CGT 1030	Introduction to Macintosh Graphic Design	
	or VPT 1030	Intro to Desktop Video/Audio	3
	ENGL 1010	English Composition I	3
	MDT 1000	Introduction to Media Technologies	3
	MATH/NS *	Mathematics/Natural Sciences Elective.....	3-5
	PHO 1000	Introduction to Photography	3
Semester II (Spring)	GEN ED 1	General Education Elective	3-5
	HUM *	Humanities/Fine Arts Elective	3
	MDT 2	Media Technologies Electives	3
	MDT 2100	Photoshop Essentials	3
	PHO 1100	Advanced Photographic Techniques	3

Semester III (Fall)	PHO 2060	Advanced Digital Imaging Techniques	3
	PHO 3	Photography Electives	9
	SBS *	Social/Behavioral Sciences Elective	3-4
Semester IV (Spring)	MDT 2	Media Technologies Electives	9
	MDT 2800	Professional Practices.....	3
	MDT 2998	Media Technologies Internship	2
	PHO 2850	Photography Portfolio	1
Total Credit Hours Needed for Graduation:			60

- GEN ED 1 General education elective to be chosen from one unduplicated course in the categories of communication, humanities/fine arts, mathematics/natural sciences, or social/behavioral sciences in the General Education Courses section of this Catalog and Handbook.
- MDT 2 Media technologies elective to be chosen from CGT 1105; PHO 2200, 2300, 2400, 2500; VPT 1030, 1045, 1400; WEB 2120, 2811 based on students' career needs and interests. Electives must be approved by the student's advisor or the program coordinator. Some courses may require prerequisites.
- PHO 3 Photography electives to be chosen from CGT 2050; JOU 2000, 2030; MGT 2000; MKT 2200; PHO 2100, 2200, 2300, 2400, 2500, 2700, 2900, 2950; THEA 1311; VPT 1040; WEB 2811.

* See the General Education Courses section of this Catalog and Handbook for electives.

***Media Technologies/Video Production Technology Concentration—
Courses and Course Sequences***

This sequence can be followed by students who begin college-level work in the fall semester. Prerequisites may apply to specific courses; it is the student's responsibility to determine if prerequisites have been met. An academic advisor is provided for each student. Prior to registering each semester, the student is expected to consult with his/her assigned advisor.

<u>Semester I (Fall)</u>	ENGL 1010	English Composition I (computer section).....	3
	MDT 1000	Introduction to Media Technologies.....	3
	VPT 1030	Introduction to Desktop Video/Audio	3
	VPT 1045	Technical Video Production	3
	VPT 1090	Campus Broadcast I	3
<u>Semester II (Spring)</u>	HUM *	Humanities/Fine Arts Elective	3
	VPT 1015	Sound Production	3
	VPT 1210	Video Editing	4
	VPT 1400	Scriptwriting for Mass Media.....	3
	VPT 1500	Campus Broadcast II.....	3
<u>Semester III (Fall)</u>	GEN ED 1	General Education Elective.....	3-5
	MATH/NS *	Mathematics/Natural Sciences Elective	3-5
	MDT 2	Media Technologies Elective	3
	VPT 2330	Budgeted Production	3
	VPT 2500	Campus Broadcast III.....	3

Semester IV (Spring)	MDT	2	Media Technologies Electives	3
	MDT	2998	Media Technologies Internship	2
	SBS	*	Social/Behavioral Sciences Elective	3-4
	VPT	2770	Documentary Production	3
	VPT	2910	Campus Broadcast IV	3

Total Credit Hours Needed for Graduation: 60

- GEN ED **1** General education elective to be chosen from one unduplicated course in the categories of communication, humanities/fine arts, mathematics/natural sciences, or social/behavioral sciences in the General Education Courses section of this Catalog and Handbook.
- MDT **2** Media Technologies electives to be chosen from CGT 1040; MDT 2100; MUS 1300; PHO 2060; VPT 1020, 1050, 2015, 2215, 2400, 2660; WEB 1120 based on students' career needs and interests. Electives must be approved by the student's advisor or the program coordinator. Some courses may require prerequisites.

* See the General Education Courses section of this Catalog and Handbook for electives.

***Media Technologies/Web Technology Concentration—
Courses and Course Sequences***

This sequence can be followed by students who begin college-level work in the fall semester. Prerequisites may apply to specific courses; it is the student's responsibility to determine if prerequisites have been met. An academic advisor is provided for each student. Prior to registering each semester, the student is expected to consult with his/her assigned advisor. This program may be completed totally online with most of the courses offered in a traditional format as well.

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Semester I (Fall)	ENGL	1010	English Composition I	3
	HUM	*	Humanities/Fine Arts Elective	3
	MDT	1000	Introduction to Media Technologies	3
	SBS	*	Social/Behavioral Sciences Elective	3-4
	WEB	2200	CIW Foundations	3
	WEB	2291	CIW Foundations Certification	1

Semester II (Spring)	MATH/NS	*	Mathematics/Natural Sciences Elective	3-5
	MDT	2100	Photoshop Essentials	3
	WEB	2000	Dreamweaver/Fireworks	1
	WEB	2210	CIW Site Designer	3
	WEB	2292	CIW Site Designer Certification	1
	WEB	2300	CIW Javascript Fundamentals	3
	WEB	2391	CIW Javascript Fundamentals Certification	1

Semester III (Fall)	MDT	2998	Media Technologies Internship	1
	WEB	2110	Flash	3
	WEB	2220	CIW E-Commerce	3
	WEB	2293	CIW E-Commerce Certification	1
	WEB	2350	CIW XML/DHTML/CSS/XHTML	3
	WEB	2701	Introduction to PHP for Web Development	1
	WEB	2703	Adobe Acrobat	1
	WEB	2811	Advanced Computer Graphics	3

Semester IV (Spring)

GEN ED	1	General Education Elective.....	3-5
MDT	2	Media Technologies Elective	3
WEB	2400	Web Project Management	3
WEB	2702	Introduction to ASP for Web Development.....	1
WEB	2902	Web Team Practicum	1

Total Credit Hours Needed for Graduation: 60

- GEN ED 1 General education elective to be chosen from one unduplicated course in the categories of communication, humanities/fine arts, mathematics/natural sciences, or social/behavioral sciences in the General Education Courses section of this Catalog and Handbook.
- MDT 2 Media technologies elective to be chosen from CGT 1030, 1040; OST 2801/02/03; PHO 1000, 2060; VPT 1015, 1030, 1045; WEB 2120, 2501, 2601, 2691, 2812 based on students' career needs and interests. Electives must be approved by the student's advisor or the program coordinator. Some courses may require prerequisites.

* See the General Education Courses section of this Catalog and Handbook for electives.

NETWORKING AND COMMUNICATIONS SYSTEMS TECHNOLOGY

Program Description: The Networking and Communications Systems Technology program offers a core curriculum that provides the academic and technical background for individuals who wish to prepare for successful employment in network design and administration. The focus of the curriculum is on student performance of administrative functions and support for local and wide area networks. Additionally, emphasis is placed on system monitoring and management, network testing, and system configuration and implementation. The Networking and Communications Systems Technology students complement their studies with an internship at a selected site that allows students to gain on-the-job experience prior to graduation.

Typical Job Opportunities:

- Network Engineer/Administrator**
- Technical Support Specialist**
- Systems Engineer/Administrator**

After successfully completing the Networking and Communications Systems Technology program, the graduate will be equipped to do the following:

- I. Demonstrate problem-solving skills.
- II. Secure employment within the information technology industry.
- III. Implement problem solutions.

Degree: Associate of Applied Science (A.A.S.)

Contact(s): Jerry Sherrod, (865) 694-6637, jsherrod@pstcc.edu

***Networking and Communications Systems Technology—
Courses and Course Sequence***

This sequence can be followed by students who begin college-level work in the fall semester. Prerequisites may apply to specific courses; it is the student's responsibility to determine if prerequisites have been met. An academic advisor is provided for each