INFORMATION TECHNOLOGY

DEGREES AND CERTIFICATES

ASSOCIATE IN APPLIED SCIENCE (A.A.S.)
Networking
Programming
Web

CERTIFICATE OF ACHIEVEMENT
IT Networking Certificates
- Computer Support Associate
- Computer Technician
- Cisco Network Associate
- Networking Specialist
- Network Security Specialist

IT Programming Certificates
- Game Design and Development
- Junior Programming
- Programming

IT Web Certificates
- Web Developer Technician
- Web Junior Technician
- Web Master Technician

INDUSTRY CERTIFICATIONS

PSC has partnered with Microsoft and CompTIA to deliver training that prepares students for industry certification exams. Common certifications include MCSE, A+, MOS, NETWORK+, and CIW. For more information, visit prairiestate.edu/academics/academic-programs/information-technology

Information Technology
Networking Option

A.A.S. Degree
This program prepares students for the rapidly changing world of computers. After completing introductory core courses, students may choose one of the following options: Networking, Programming, or Web. Career opportunities vary according to the option selected.

Information Technology: Networking Option

I. General Education Core		18-19
Area A: Communication		**6**
ENG 101	Composition I - with a grade of C of better	3
COMM 101	Principles of Communication	3
Area B: Humanities and Fine Arts		**3**
Select one course from Area B		3
Area C: Mathematics		**3**
IT 106	Mathematics for Computers	3
Area D: Physical and Life Sciences		**3-4**
Select one course from Area D		3-4
Area E: Social and Behavioral Sciences		**3**
Select one course from Area E		3

II. Program Requirements		46
Core Courses:		
BUS 101	Introduction to Business	3
IT 101	IT Orientation	1
IT 140	Intro to Operating Systems	3
IT 201	Systems Design and Development	3
IT 205	Ethics in Information Technology	2
ITAPP 101	Introduction to Computers	3
ITNET 299	Internship	2
or		
IT 295	IT Portfolio Seminar	2

Networking Concentration Courses:

IT 240	Linux Operating System	3
ITNET 160	Computer Repair	4
ITNET 165	Introduction to Networking	3
ITNET 250	Intro to LAN Administration	3
ITNET260	Network Security Fundament	3

Select 13 credits from the following:

ITAPP 121	Word Processing Applications - Level I	3
ITAPP 125	Spreadsheet Applications - Level I	3
ITAPP 128	Database Applications - Level I	3
ITAPP 133	Presentation Applications	2
ITNET 175	Introduction to Networking II	3
ITNET 235	CCNA LAN Design	3
ITNET 245	CCNA WAN Design	3
ITNET 280	Ethical Hacking	3
ITPRG 103	Introduction to Programming	3
ITPRG 144	C++ Programming I	3
ITPRG 147	Java Programming I	3
ITWEB 101	Web Page Fundamentals	3

Program Total: **64-65 credits**

IT Networking Certificates

Computer Support Associate
Certificate

This program prepares students to work in career fields of computer support, maintenance, and repair. Students will receive training in computer hardware, software, and first level trouble shooting support. Students will learn about computer hardware components and system operating systems. Jobs can be found in career fields such as PC support technician and computer help desk. This program prepares students for the CompTIA IT Fundamentals and A+ certifications.

Program Requirements

IT 101	IT Orientation	1
IT 140	Introduction to Operating Systems	3
ITNET 160	Computer Repair	4

Program Total   **8 credits**

Computer Technician
Certificate

This program prepares students for entry level positions in PC installation, maintenance, and repair professions. Common career titles include PC support technician, hardware specialist, and help desk support specialist. Students will examine PC software, including operating systems, network management, and desktop utilities. This program prepares students for the CompTIA A+ and Network+ certifications.

Program Requirements

IT 101	IT Orientation	1
IT 140	Introduction to Operating Systems	3
IT 205	Ethics in Information Technology	2
ITNET 160	Computer Repair	4
ITNET 165	Introduction to Networking	3
ITNET 250	Into to LAN Administration	3

Program Total   **16 credits**

Cisco Network Associate
Certificate

This program prepares students for employment as a Cisco network technician with an emphasis on administering, installing, maintaining and troubleshooting Cisco systems. In the program, students are introduced to routers, LAN/WAN design and the integration of the Internet in the corporate enterprise network. Upon completion, students may seek various industry certification credentials such as CompTIA Network+, Cisco CCENT, and/or Cisco CCNA.

Program Requirements

IT 101	IT Orientation	1
IT 140	Introduction to Operating Systems	3
ITNET 165	Introduction to Networking	3
ITNET 175	Introduction to Networking II	3
ITNET 235	CCNA LAN Design	3
ITNET 245	CCNA WAN Design	3

Program Total   **16 credits**

Networking Specialist

Certificate

This certificate prepares students for entry-level positions such as network administrator, network analyst, and network engineer. A computer networking specialist must have extensive knowledge of network connectivity, protocols, network security devices, and network media, including wireless or fiber optic, and common operating systems (Windows, Linux, and UNIX). Students will examine planning, installation, maintenance, repair, and design of local area networks. This program helps students prepare for the MCP, CompTIA A+, Network+, and Linux+ industry certifications.

Program Requirements

Code	Course	Credits
IT 101	IT Orientation	1
IT 205	Ethics in IT	2
IT 140	Introduction to Operating Systems	3
IT 240	Linux Operating System	3
ITNET 160	Computer Repair	4
ITNET 165	Introduction to Networking	3
ITNET 250	Introduction to LAN Administration	3
ITNET 260	Network Security Fundamentals	3

Program Total   **22 credits**
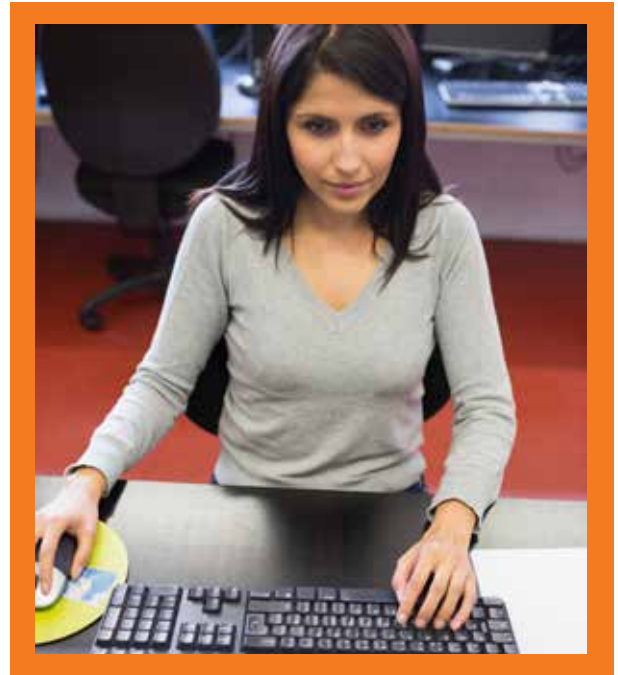
Network Security Specialist

Certificate

This certificate provides students with skills for beginning a profession in cyber security. Network security specialists build firewalls, monitor computer networks to detect unauthorized users, prevent security breaches and resolve compromised environments. They play an important role in preserving information confidentiality, implementing safeguards that protect sensitive date and system integrity. Typical job titles include network security technicians, information security analysts, computer security specialists and cyber security engineers. This program helps students to prepare for the CompTIA A A+, Network, and Security+ Industry Certifications.

Program Requirements

Code	Course	Credits
IT 101	IT Orientation	1
IT 140	Introduction to Operating Systems	3
IT 205	Ethics in Information Technology	2
ITNET 160	Computer Repair	4
ITNET 165	Introduction to Networking	3
ITNET 250	Introduction to LAN Administration	3
ITNET 260	Network Security Fundamentals	3
ITNET 280	Ethical Hacking	3

Program Total   **22 credits**

Information Technology
Web Option
A.A.S. Degree

This program prepares students for the rapidly changing world of computers. After completing introductory core courses, students may choose one of the following options: Networking, Programming, or Web. Career opportunities vary according to the option selected.

Information Technology: Web Option

I. General Education Core — 18-19

Area A: Communication		6
ENG 101	Composition I - with a grade of C of better	3
COMM 101	Principles of Communication	3
Area B: Humanities and Fine Arts		3
Select one course from Area B		3
Area C: Mathematics		3
IT 106	Mathematics for Computers	3
Area D: Physical and Life Sciences		3-4
Select one course from Area D		3-4
Area E: Social and Behavioral Sciences		3
Select one course from Area E		3

II. Program Requirements — 46

Core Courses:

BUS 101	Introduction to Business	3
IT 101	IT Orientation	1
IT 140	Introduction to Operating Systems	3
IT 201	Systems Design and Development	3
IT 205	Ethics in Information Technology	2
ITAPP 101	Introduction to Computers	3
ITWEB 299	Internship	2
or		
IT 295 IT Portfolio Seminar		2

Web Concentration Courses:

IT 240	Linux Operating System	3
ITWEB 101	Webpage Fundamentals	3
ITWEB 103	Website Design-Level 1	3
ITWEB 105	Multimedia Writing	3
ITWEB 203	Website Design-Level 2	3

Select 14 credits from the following:

COMM 111	Introduction to Mass Communication	3
GC 115	Introduction to Computer Art	3
or		
ART 115	Introduction to Computer Art	3
ITAPP 121	Word Processing Applications–Level 1	3
ITAPP 125	Spreadsheet Applications–Level 1	3
ITAPP 128	Database Applications–Level 1	3
ITAPP 133	Presentation Applications	2
ITNET 165	Introduction to Networking	3
ITPRG 103	Introduction to Programming	3
ITPRG 147	JAVA Programming	3
ITPRG 157	JavaScript Programming	3
ITPRG 173	Digital Storytelling	3

Program Total: 64-65 credits

IT Web Certificates

Web Junior Technician
Certificate

A Web technician works with editors and graphic designers in a junior capacity to create websites that are visually pleasing and easy to navigate. Duties have a technical focus that include knowledge of web coding languages, authoring tools, design principles, digital media, and Internet technology. Web technicians create the front-end of websites that meet the preferences of the owner and attract customers. Industry web certifications include CIW Web Design Specialist Certificate and W3 HTML5 Developer Certificate.

This certificate offers a stackable approach to our Information Technology A.A.S. degree. This certificate serves as the first step and encourages completion of the longer certificates such as Web Master Technician (16 credits) and Web Developer Technician (16 credits) and eventually the Associate in Applied Science degree in Information Technology — Web Option.

Program Requirements 7

IT 101	IT Orientation	1
IT 140	Introduction to Operating Systems	3
ITWEB 101	Webpage Fundamentals	3

Web Developer Technician
Certificate

Web developers focus on website content, the way a website works, and how it looks. Strong programming and database skills assist in building and maintaining websites that function well. Web developers ensure that the website is cross-functional on all web browsers, periodically testing and updating as needed. Awareness of website usability and web accessibility guidelines is fundamental. Industry web certifications include CIW Web Design Specialist Certificate, W3 HTML5 Developer Certificate, Microsoft MTA: HTML5 App Development Fundamentals, and Microsoft MCSD: Web Applications.

This certificate offers a stackable approach to our Information Technology A.A.S. degree. The certificate serves as an introductory level certificate that allows students to gain knowledge and skills while encouraging completion of the Associate of Applied Science degree in Information Technology — Web Option.

Program Requirements 16

IT 101	IT Orientation	1
IT 140	Introduction to Operating Systems	3
ITAPP 128	Database Applications-Level 1	3
ITPRG 147	JAVA Programming	3
or		
ITPRG 157	JAVAScript Programming	3
ITWEB 101	Webpage Fundamentals	3
ITWEB 103	Website Design-Level 1	3

Web Master Technician
Certificate

A web master oversees websites to assure they stay online, optimizing and analyzing their performance knowledge of Linux or Unix operating systems is important, given that web servers are sometimes hosted on Linux or Solaris. The web master's position includes ensuring that the webiste links are working properly, tracking network traffic, and studyiing the web analytics (statistics) of the website. Awareness of website usability and web accessibility guidelines is fundamental. Industry web certifications include CIW Web Design Specialist Certificate, W3 HTML5 Developer Certificate, Microsoft MTA: HTML5 App Development Fundamentals, and Microsoft MCSD: Web Applications.

This certificate offers a stackable approach to our Information Technology A.A.S. degree. The certificate serves as an introductory level certificate that allows students to gain knowledge and skills while encouraging completion of the Associate of Applied Science degree in Information Technology — Web Option.

Program Requirements 16

IT 101	IT Orientation	1
IT 140	Introduction to Operating Systems	3
IT 240	Linux Operating System	3
ITNET 165	Introduction to Networking	3
ITWEB 101	Webpage Fundamentals	3
ITWEB 103	Website Design-Level 1	3

IT Programming Certificates
Game Design and Development
Certificate

Game Design and Development is a rapidly growing field that produces a wide variety of jobs. The program offers students the ability to explore different facets of the industry, as well as other digital entertainment and educational areas. This program combines current technology skills with art, design, writing, and programming.

Program Requirements

IT 101	IT Orientation	1
ENG 101	Composition I	3
GC 115	Introduction to Computer Art (same as ART 115)	3
GC 175	2D Animation	3
IT 140	Introduction to Operating Systems	3
IT 205	Ethics in Information Technology	2
ITPRG 103	Introduction to Programming	3
ITPRG 144	C++ Programming I	3
ITPRG 171	Game Design I	3
ITPRG 173	Digital Storytelling	3

Select one of the following courses:

ITPRG 147	Java Programming I	3
ITPRG 154	C#.NET Programming	3
ITPRG 244	C++ Programming II	3

Program Total   30 credits

Programming
Certificate

This program is designed for students who need to update their skills and knowledge of programming languages. Object-oriented and event-driven languages, as well as traditional structured languages, are included in this curriculum. Career opportunities include various levels of programmer analyst such as C++ programmer, JAVA programmer, object-oriented programmer, and software engineer.

Program Requirements

IT 101	IT Orientation	1
IT 140	Introduction to Operating Systems	3
IT 201	Systems Design and Development	3
ITPRG 103	Introduction to Programming	3
ITPRG 144	C++ Programming	3
ITPRG 147	Java Programming I	3

Select one course from:

ITPRG 154	C#.NET Programming	3
ITPRG 157	JavaScript Programming	3
ITPRG 244	C++ Programming II	3
ITPRG 247	Java Programming II	3

Program Total   19 credits

Information Technology
Programming Option
A.A.S. Degree

This program prepares students for the rapidly changing world of computers. After completing introductory core courses, students may choose one of the following options: networking, programming, or web. Career opportunities vary according to the option selected.

Information Technology: Programming Option

I. General Education Core   18-19

Area A: Communication   6

ENG 101	Composition I - with a grade of C of better	3
COMM 101	Principles of Communication	3

Area B: Humanities and Fine Arts   3

Select one course from Area B	3

Area C: Mathematics   3

IT 106	Mathematics for Computers	3

Area D: Physical and Life Sciences   3-4

Select one course from Area D	3-4

Area E: Social and Behavioral Sciences   3

Select one course from Area E	3

II. Program Requirements   46

Core Courses:

BUS 101	Introduction to Business	3
IT 101	IT Orientation	1
IT 140	Introduction to Operating Systems	3
IT 201	Systems Design and Development	3
IT 205	Ethics in Information Technology	2
ITAPP 101	Introduction to Computers	3
ITPRG 299	Internship	2
or		
IT 295	IT Portfolio Seminar	2

Programming Concentration Courses:

ITPRG 103	Introduction to Programming	3
ITPRG 144	C++ Programming I	3
ITPRG 147	JAVA Programming I	3
ITPRG 244	C++ Programming II	3
ITPRG 247	JAVA Programming II	3

Select 14 credits from the following:

ITAPP 121	Word Processing Applications-Level 1	3
ITAPP 125	Spreadsheet Applications-Level 1	3
ITAPP 128	Database Applications-Level 1	3
ITAPP 133	Presentation Applications	2
ITPRG 154	C#.NET Programming	3
ITPRG 157	JavaScript Programming	3
ITPRG 171	Game Design	3
ITWEB 101	Web Page Fundamentals	3
ITWEB 103	Web Site Design - Level I	3

Program Total: 64-65 credits

ADMISSIONS

PSC offers "open admission" that encourages diversity and admits all high school graduates or the equivalent.

Here's how to start your college career at PSC:
- Provide a high school diploma or GED.
- Take the COMPASS Placement Test or submit a copy of ACT scores.
- Meet with an advisor from Counseling and Advising to select courses. For questions, contact an academic advisor at (708) 709-3506.

Financial Aid Information
PSC's tuition is affordable, and financial aid is available through a variety of sources.

How to Apply
1. **Complete the Free Application for Federal Student Aid (FAFSA)**
   The school code for PSC is 001640. Apply online at fafsa.gov.
2. **Notification from Department of Education**
   If you listed PSC's school code in your FAFSA, the college's Financial Aid Office will receive your report in approximately 14 days.
3. **Notification from PSC**
   Once PSC receives your FAFSA from the Department of Education, a letter is mailed to the student indicating needed documents.
4. **Complete the PSC financial aid application.**
5. **Determination Letter**
   Once all documents are completed, an award or ineligible letter is issued.

PSC Financial Aid Opportunities:
- PSC Board of Trustees Scholarships cover tuition and fees for two years.
- The PSC Foundation awards more than $75,000 in scholarships annually.

For more information about how to obtain financial aid, visit prairiestate.edu/finaid, call (708) 709-3735, or email financial-aid@prairiestate.edu.

Gainful Employment Disclosure
Visit prairiestate.edu/ge for important information about our gainful employment programs.

Find out more today by contacting
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(708) 709-3649
jdennis@prairiestate.edu

Gainful Employment Disclosure
The U.S. Department of Education requires colleges with financial aid eligible programs that "prepares students for gainful employment in a recognized occupation" to disclose certain information about these programs. For more information about our graduation rates, the median debt of students who have completed the program, and other important information related to the program, please visit our website at prairiestate.edu/ge. We hope that this information is helpful in making informed choices about your education.

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