

COMPUTER TECHNOLOGY, A.A.S.

Computer Technology students will explore many different topics relating to computers. The course study includes computer maintenance, local and wide area networks, as well as popular programming languages. The Computer Technology program offers concentrations in Cybersecurity, Networking, and Programming.

The Cybersecurity concentration will provide students with the concepts and skills of the fast growing field of cybersecurity, including security of systems and infrastructure in business and industry. Students will learn how to protect networks and defend information systems from attack.

The Network coursework focuses on elective courses in administration of both Microsoft and UNIX based operating systems. PC repair and wide area network courses are also examined. Students gain experience in Visual Basic and internet programming as well as today's popular desktop applications.

The Programming concentration includes elective courses in Visual Basic, C++, Java and database platforms. Students will also gain knowledge in the use of computer operating systems, applications and network maintenance.

To complete the student's preparation for entry-level positions, some general studies courses are also required.

Requirements

Courses	Course Title	Credit
		Hours

General Education

Ocheral Educatio		
ENG 101	English Composition I	3
ENG 102	English Composition II	3
or ENG 165	Professional Communications	
MAT 155	Contemporary Mathematics	3
	ral Science (https://catalog.ptc.edu/student- ing-registration/general-education-courses/)	3
	ties/Fine Arts (https://catalog.ptc.edu/student- ing-registration/general-education-courses/)	3
Subtotal		15
Required Core Su	ubject Areas	
CPT 207	Complex Computer Applications	3
CPT 232	C++ Programming I	3
CPT 242	Database	3
CPT 247	UNIX Operating System	3
CPT 257	Operating Systems	3
CPT 264	Systems and Procedures	3
Subtotal		18
Other Courses R	equired for Graduation	
COL 103	College Skills	3
CPT 209	Computer Systems Management	3

IST 220 Data Communications 3 Subtotal 15 Select a Concentration option below 18 Cybersecurity - CTC3 IST 256 LAN Desktop Technologies IST 257 LAN Network Server Technologies IST 268 Computer Forensics IST 269 Digital Forensics IST 269 Digital Forensics IST 293 IT and Data Assurance I IST 294 IT and Data Assurance II Network - CTN3 IST 150 Project Management Essentials for IT Professionals IST 251 LAN Network Architecture I IST 253 LAN Service and Support IST 256 LAN Desktop Technologies IST 257 LAN Network Server Technologies IST 270 Client/Server Systems Programming - CTP3 CPT 186 Visual Basic .NET 1 CPT 188 Mobile App Development CPT 236 Introduction to Java Programming CPT 237 Advanced JAVA Programming CPT 286 Visual Basic .NET II IST 226 Internet Programming	CPT 267	Technical Support Concepts	3
Subtotal15Subtotal15Select a Concentration option below18Cybersecurity - CTC3IST 256LAN Desktop TechnologiesIST 256LAN Network Server TechnologiesIST 257IST 268Computer ForensicsIST 268IST 269Digital ForensicsIST 293IST 293IT and Data Assurance IIST 294IST 294IT and Data Assurance IIProject Management Essentials for IT ProfessionalsIST 257LAN Network Architecture IIST 253IST 256LAN Service and SupportIST 256IST 257LAN Network Server TechnologiesIST 256LAN Desktop TechnologiesIST 257LAN Network Server TechnologiesIST 250Client/Server SystemsProgramming - CTP3CPT 186CPT 186Mobile App DevelopmentCPT 236Introduction to Java ProgrammingCPT 236Visual Basic.NET IIIST 226Internet ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	CPT 282	Information Systems Security	3
Select a Concentration option below18Select a Concentration option below18Cybersecurity - CTC3IST 256IST 256LAN Desktop TechnologiesIST 257LAN Network Server TechnologiesIST 268Computer ForensicsIST 269Digital ForensicsIST 293IT and Data Assurance IIST 294IT and Data Assurance IINetwork - CTN3Project Management Essentials for IT ProfessionalsIST 253LAN Service and SupportIST 256LAN Network Server TechnologiesIST 257LAN Network Server TechnologiesIST 257LAN Network Server TechnologiesIST 257LAN Network Server TechnologiesIST 270Client/Server SystemsProgramming - CTP3CPT 186CPT 186Visual Basic.NET 1CPT 236Introduction to Java ProgrammingCPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	IST 220	Data Communications	3
Cybersecurity - CTC3 IST 256 LAN Desktop Technologies IST 257 LAN Network Server Technologies IST 268 Computer Forensics IST 269 Digital Forensics IST 290 Digital Forensics IST 291 IT and Data Assurance I IST 294 IT and Data Assurance II Network - CTN3 IST 150 Project Management Essentials for IT Professionals IST 241 Network Architecture I IST 253 LAN Service and Support IST 256 LAN Desktop Technologies IST 257 LAN Network Server Technologies IST 257 LAN Network Server Technologies IST 257 LAN Network Server Technologies IST 270 Client/Server Systems Programming - CTP3 CPT 186 Visual Basic.NET 1 CPT 188 Mobile App Development CPT 236 Introduction to Java Programming CPT 237 Advanced JAVA Programming CPT 286 Visual Basic.NET II IST 226 Internet Programming	Subtotal		15
IST 256LAN Desktop TechnologiesIST 257LAN Network Server TechnologiesIST 268Computer ForensicsIST 269Digital ForensicsIST 293IT and Data Assurance IIST 294IT and Data Assurance IINetwork - CTN3IST 250IST 251Project Management Essentials for IT ProfessionalsIST 253LAN Service and SupportIST 256LAN Desktop TechnologiesIST 257LAN Network Server TechnologiesIST 270Client/Server SystemsProgramming - CTP3CPT 186CPT 188Mobile App DevelopmentCPT 236Introduction to Java ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	Select a Conce	ntration option below	18
IST 267LAN Network Server TechnologiesIST 257LAN Network Server TechnologiesIST 268Computer ForensicsIST 269Digital ForensicsIST 293IT and Data Assurance IIST 294IT and Data Assurance IINetwork - CTN3IST 150IST 150Project Management Essentials for IT ProfessionalsIST 241Network Architecture IIST 253LAN Service and SupportIST 256LAN Desktop TechnologiesIST 270Client/Server SystemsProgramming - CTP3CPT 186Visual Basic.NET 1CPT 236Introduction to Java ProgrammingCPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	Cybersecurity -	CTC3	
IST 1201Extraction output formula for	IST 256	LAN Desktop Technologies	
IST 269Digital ForensicsIST 293IT and Data Assurance IIST 294IT and Data Assurance IINetwork - CTN3Project Management Essentials for IT ProfessionalsIST 150Project Management Essentials for IT ProfessionalsIST 241Network Architecture IIST 253LAN Service and SupportIST 256LAN Desktop TechnologiesIST 257LAN Network Server TechnologiesIST 270Client/Server SystemsProgramming - CTP3CPT 186CPT 186Mobile App DevelopmentCPT 236Introduction to Java ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	IST 257	LAN Network Server Technologies	
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IST 294IT and Data Assurance IINetwork - CTN3IST 150Project Management Essentials for IT ProfessionalsIST 241Network Architecture IIST 253LAN Service and SupportIST 256LAN Desktop TechnologiesIST 270Client/Server SystemsProgramming - CTP3CPT 186CPT 186Visual Basic.NET 1CPT 236Introduction to Java ProgrammingCPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	IST 269	Digital Forensics	
Network - CTN3IST 150Project Management Essentials for IT ProfessionalsIST 241Network Architecture IIST 253LAN Service and SupportIST 256LAN Desktop TechnologiesIST 257LAN Network Server TechnologiesIST 270Client/Server SystemsProgramming - CTP3CPT 186CPT 186Visual Basic.NET 1CPT 236Introduction to Java ProgrammingCPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	IST 293	IT and Data Assurance I	
IST 150Project Management Essentials for IT ProfessionalsIST 150Project Management Essentials for IT ProfessionalsIST 241Network Architecture IIST 253LAN Service and SupportIST 256LAN Desktop TechnologiesIST 257LAN Network Server TechnologiesIST 270Client/Server SystemsProgramming - CTP3CPT 186CPT 186Visual Basic.NET 1CPT 236Introduction to Java ProgrammingCPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	IST 294	IT and Data Assurance II	
ProfessionalsIST 241Network Architecture IIST 253LAN Service and SupportIST 256LAN Desktop TechnologiesIST 257LAN Network Server TechnologiesIST 270Client/Server SystemsProgramming - CTP3CPT 186Visual Basic.NET 1CPT 188Mobile App DevelopmentCPT 236Introduction to Java ProgrammingCPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	Network - CTN	3	
IST 253LAN Service and SupportIST 253LAN Desktop TechnologiesIST 256LAN Network Server TechnologiesIST 257LAN Network Server TechnologiesIST 270Client/Server SystemsProgramming - CTP3CPT 186Visual Basic.NET 1CPT 188Mobile App DevelopmentCPT 236Introduction to Java ProgrammingCPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	IST 150		
IST 256LAN Desktop TechnologiesIST 257LAN Network Server TechnologiesIST 270Client/Server SystemsProgramming - CTP3CPT 186Visual Basic.NET 1CPT 188Mobile App DevelopmentCPT 236Introduction to Java ProgrammingCPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	IST 241	Network Architecture I	
IST 257LAN Network Server TechnologiesIST 257LAN Network Server TechnologiesIST 270Client/Server SystemsProgramming - CTP3CPT 186Visual Basic.NET 1CPT 188Mobile App DevelopmentCPT 236Introduction to Java ProgrammingCPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	IST 253	LAN Service and Support	
IST 270Client/Server SystemsProgramming - CTP3CPT 186Visual Basic.NET 1CPT 188Mobile App DevelopmentCPT 236Introduction to Java ProgrammingCPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	IST 256	LAN Desktop Technologies	
Programming - CTP3CPT 186Visual Basic.NET 1CPT 188Mobile App DevelopmentCPT 236Introduction to Java ProgrammingCPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	IST 257	LAN Network Server Technologies	
CPT 186Visual Basic.NET 1CPT 188Mobile App DevelopmentCPT 236Introduction to Java ProgrammingCPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	IST 270	Client/Server Systems	
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CPT 236Introduction to Java ProgrammingCPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	CPT 186	Visual Basic.NET 1	
CPT 237Advanced JAVA ProgrammingCPT 286Visual Basic.NET IIIST 226Internet Programming	CPT 188	Mobile App Development	
CPT 286 Visual Basic.NET II IST 226 Internet Programming	CPT 236	Introduction to Java Programming	
IST 226 Internet Programming	CPT 237	Advanced JAVA Programming	
	CPT 286	Visual Basic.NET II	
Total Hours 66	IST 226	Internet Programming	
	Total Hours		66

Graduation Plans Computer Technology - Cybersecurity Concentration Fall Start

Course	Title	Hours
First Year		
Fall Semester		
COL 103	College Skills	3
CPT 209	Computer Systems Management	3
CPT 257	Operating Systems	3
ENG 101	English Composition I	3
IST 220	Data Communications	3
	Hours	15
Spring Semester		
CPT 207	Complex Computer Applications	3
CPT 242	Database	3
CPT 267	Technical Support Concepts	3
ENG 102	English Composition II	3



MAT 155	Contemporary Mathematics	3
	Hours	15
Summer Semester		
CPT 232	C++ Programming I	3
CPT 247	UNIX Operating System	3
CPT 282	Information Systems Security	3
Elective Humanities,	/Fine Arts (https://catalog.ptc.edu/student-	3
handbook/advising-	registration/general-education-courses/)	
	Hours	12
Second Year		
Fall Semester		
IST 256	LAN Desktop Technologies	3
IST 257	LAN Network Server Technologies	3
IST 293	IT and Data Assurance I	3
	Science (https://catalog.ptc.edu/student- registration/general-education-courses/)	3
	Hours	12
Spring Semester		
CPT 264	Systems and Procedures	3
IST 268	Computer Forensics	3
IST 269	Digital Forensics	3
IST 294	IT and Data Assurance II	3
	Hours	12
	Total Hours	66
Spring Start	Total Hours	66
Spring Start	Total Hours Title	66 Hours
Course		
Course First Year		
Course First Year Spring Semester	Title	Hours 3
Course First Year Spring Semester COL 103	Title College Skills	Hours 3
Course First Year Spring Semester COL 103 CPT 209	Title College Skills Computer Systems Management	Hours 3 3
Course First Year Spring Semester COL 103 CPT 209 CPT 257	Title College Skills Computer Systems Management Operating Systems	Hours 3 3 3
Course First Year Spring Semester COL 103 CPT 209 CPT 257 ENG 101	Title College Skills Computer Systems Management Operating Systems English Composition I	Hours 3 3 3 3 3
Course First Year Spring Semester COL 103 CPT 209 CPT 257 ENG 101	Title College Skills Computer Systems Management Operating Systems English Composition I Data Communications	Hours 3 3 3 3 3 3 3
Course First Year Spring Semester COL 103 CPT 209 CPT 257 ENG 101 IST 220	Title College Skills Computer Systems Management Operating Systems English Composition I Data Communications	Hours 3 3 3 3 3 3 3 15
Course First Year Spring Semester COL 103 CPT 209 CPT 257 ENG 101 IST 220 Summer Semester	Title College Skills Computer Systems Management Operating Systems English Composition I Data Communications Hours	Hours 3 3 3 3 3 3 3 3 5 5 5 3
Course First Year Spring Semester COL 103 CPT 209 CPT 257 ENG 101 IST 220 Summer Semester CPT 207	Title College Skills Computer Systems Management Operating Systems English Composition I Data Communications Hours Complex Computer Applications	Hours 3 3 3 3 3 3 3 3 5 5 5 3
Course First Year Spring Semester COL 103 CPT 209 CPT 257 ENG 101 IST 220 Summer Semester CPT 207 CPT 282	Title College Skills Computer Systems Management Operating Systems English Composition I Data Communications Hours Complex Computer Applications Information Systems Security	Hours 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Course First Year Spring Semester COL 103 CPT 209 CPT 257 ENG 101 IST 220 Summer Semester CPT 207 CPT 282 ENG 102	Title College Skills Computer Systems Management Operating Systems English Composition I Data Communications Hours Complex Computer Applications Information Systems Security English Composition II	Hours 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Course First Year Spring Semester COL 103 CPT 209 CPT 257 ENG 101 IST 220 Summer Semester CPT 207 CPT 282 ENG 102	Title College Skills Computer Systems Management Operating Systems English Composition I Data Communications Hours Complex Computer Applications Information Systems Security English Composition II Contemporary Mathematics	Hours 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Course First Year Spring Semester COL 103 CPT 209 CPT 257 ENG 101 IST 220 Summer Semester CPT 207 CPT 282 ENG 102 MAT 155	Title College Skills Computer Systems Management Operating Systems English Composition I Data Communications Hours Complex Computer Applications Information Systems Security English Composition II Contemporary Mathematics	Hours 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 2 12
Course First Year Spring Semester COL 103 CPT 209 CPT 257 ENG 101 IST 220 Summer Semester CPT 207 CPT 282 ENG 102 MAT 155 Fall Semester	Title College Skills Computer Systems Management Operating Systems English Composition I Data Communications Hours Complex Computer Applications Information Systems Security English Composition II Contemporary Mathematics Hours	Hours 3 3 3 3 3 3 3 3 3 3 3 3 3 1 5 3 3 3 3 3
Course First Year Spring Semester COL 103 CPT 209 CPT 257 ENG 101 IST 220 Summer Semester CPT 207 CPT 282 ENG 102 MAT 155 Fall Semester CPT 232	Title College Skills Computer Systems Management Operating Systems English Composition I Data Communications Hours Complex Computer Applications Information Systems Security English Composition II Contemporary Mathematics Hours C++ Programming I	Hours 3 3 3 3 3 3 3 3 15 3 3 3 3
Course First Year Spring Semester COL 103 CPT 209 CPT 257 ENG 101 IST 220 Summer Semester CPT 207 CPT 282 ENG 102 MAT 155 Fall Semester CPT 232 IST 256	Title College Skills Computer Systems Management Operating Systems English Composition I Data Communications Hours Complex Computer Applications Information Systems Security English Composition II Contemporary Mathematics Hours Contemporary Mathematics LAN Desktop Technologies	Hours 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

Second Year		
Spring Semester		
IST 268	Computer Forensics	3
IST 269	Digital Forensics	3
IST 294	IT and Data Assurance II	3
CPT 242	Database	3
Elective Humanities/	Fine Arts (https://catalog.ptc.edu/student-	3
handbook/advising-r	egistration/general-education-courses/)	
	Hours	15
Summer Semester		
CPT 247	UNIX Operating System	3
CPT 264	Systems and Procedures	3
CPT 267	Technical Support Concepts	3
	cience (https://catalog.ptc.edu/student-	3
handbook/advising-r	egistration/general-education-courses/)	
	Hours	12
	Total Hours	66
Cummer Ctert		
Summer Start		
Course	Title	Hours
First Year		
Summer Semester		
COL 103	College Skills	3
CPT 209	Computer Systems Management	3
CPT 257	Operating Systems	3
IST 220	Data Communications	3
MAT 155	Contemporary Mathematics	3
	Hours	15
Fall Semester		
ENG 101	English Composition I	3
IST 256	LAN Desktop Technologies	3
IST 257	LAN Network Server Technologies	3
IST 293	IT and Data Assurance I	3
	Hours	12
Spring Semester		
CPT 207	Complex Computer Applications	3
CPT 267	Technical Support Concepts	3
IST 268	Computer Forensics	3
IST 269	Digital Forensics	3
IST 294	IT and Data Assurance II	3
	Hours	15
Second Year		
Summer Semester		
CPT 232	C++ Programming I	3
CPT 242	Database	3
CPT 264	Systems and Procedures	3
ENG 102	English Composition II	3
	Hours	12



Fall Semester

	Hours	12
Elective Humanities/Fine Arts (https://catalog.ptc.edu/student- handbook/advising-registration/general-education-courses/)		3
	ioral Science (https://catalog.ptc.edu/student- ising-registration/general-education-courses/)	3
CPT 282	Information Systems Security	3
CPT 247	UNIX Operating System	3

66

Total Hours

Computer Technology - Networking Concentration Fall Start

rall Stall		
Course	Title	Hours
First Year		
Fall Semester		
COL 103	College Skills	3
ENG 101	English Composition I	3
IST 220	Data Communications	3
MAT 155	Contemporary Mathematics	3
	Hours	12
Spring Semester		
CPT 207	Complex Computer Applications	3
CPT 209	Computer Systems Management	3
CPT 257	Operating Systems	3
IST 150	Project Management Essentials for IT Professionals	3
	Science (https://catalog.ptc.edu/student- -registration/general-education-courses/)	3
	Hours	15
Summer Semester		
CPT 232	C++ Programming I	3
CPT 247	UNIX Operating System	3
CPT 267	Technical Support Concepts	3
CPT 282	Information Systems Security	3
	Hours	12
Second Year		
Fall Semester		
ENG 102	English Composition II	3
IST 253	LAN Service and Support	3
IST 256	LAN Desktop Technologies	3
IST 257	LAN Network Server Technologies	3
	Hours	12
Spring Semester		
CPT 242	Database	3
CPT 264	Systems and Procedures	3
IST 241	Network Architecture I	3
IST 270	Client/Server Systems	3

	Hours	1
	Total Hours	6
Spring Stort		
Spring Start	Title	Haum
Course First Year	litie	Hour
Spring Semester COL 103	College Skille	
ENG 101	College Skills	
IST 220	English Composition I Data Communications	
MAT 155		
IVIAT 155	Contemporary Mathematics	
o	Hours	1
Summer Semester	Osmanlau Osmanutan Annilisatisna	
CPT 207	Complex Computer Applications	
CPT 209	Computer Systems Management	
CPT 257	Operating Systems	
	Hours	
Fall Semester		
CPT 247	UNIX Operating System	
IST 150	Project Management Essentials for IT Professionals	
IST 256	LAN Desktop Technologies	
IST 257	LAN Network Server Technologies	
	Hours	1
Second Year		
Spring Semester		
CPT 242	Database	
CPT 267	Technical Support Concepts	
IST 241	Network Architecture I	
IST 270	Client/Server Systems	
	Hours	1
Summer Semester		
CPT 264	Systems and Procedures	
ENG 102	English Composition II	
	/Fine Arts (https://catalog.ptc.edu/student-	
handbook/advising-	registration/general-education-courses/)	
	Hours	
Fall Semester		
CPT 232	C++ Programming I	
CPT 282	Information Systems Security	
IST 253	LAN Service and Support	
	Science (https://catalog.ptc.edu/student-	
handbook/advising-	registration/general-education-courses/)	
	Hours	1
	Total Hours	6



Summer Start

ounner otart		
Course	Title	Hours
First Year		
Summer Semester		
COL 103	College Skills	3
CPT 257	Operating Systems	3
IST 220	Data Communications	3
	Hours	9
Fall Semester		
CPT 207	Complex Computer Applications	3
CPT 209	Computer Systems Management	3
ENG 101	English Composition I	3
IST 253	LAN Service and Support	3
	Hours	12
Spring Semester		
CPT 232	C++ Programming I	3
CPT 242	Database	3
MAT 155	Contemporary Mathematics	3
Elective Humanitie	es/Fine Arts (https://catalog.ptc.edu/student-	3
handbook/advising	g-registration/general-education-courses/)	
	Hours	12
Second Year		
Summer Semester		
CPT 247	UNIX Operating System	3
CPT 267	Technical Support Concepts	3
CPT 282	Information Systems Security	3
	Hours	9
Fall Semester		
ENG 102	English Composition II	3
IST 256	LAN Desktop Technologies	3
IST 257	LAN Network Server Technologies	3
Elective Behaviora	l Science (https://catalog.ptc.edu/student-	3
handbook/advisin	g-registration/general-education-courses/)	
	Hours	12
Spring Semester		
CPT 264	Systems and Procedures	3
IST 150	Project Management Essentials for IT Professionals	3
IST 241	Network Architecture I	3
IST 270	Client/Server Systems	3
	Hours	12
	Total Hours	66
		00

Computer Technology - Programming Concentration Fall Start

Fall Start		
Course	Title	Hours
First Year		
Fall Semester		
COL 103	College Skills	3
CPT 207	Complex Computer Applications	3
ENG 101	English Composition I	3
MAT 155	Contemporary Mathematics	3
	Hours	12
Spring Semester		
CPT 209	Computer Systems Management	3
CPT 257	Operating Systems	3
IST 220	Data Communications	3
	Fine Arts (https://catalog.ptc.edu/student- registration/general-education-courses/)	3
	Hours	12
Summer Semester		
CPT 186	Visual Basic.NET 1	3
CPT 242	Database	3
CPT 247	UNIX Operating System	3
CPT 282	Information Systems Security	3
	Hours	12
Second Year		
Fall Semester		
CPT 232	C++ Programming I	3
CPT 286	Visual Basic.NET II	3
ENG 102	English Composition II	3
IST 226	Internet Programming	3
	Science (https://catalog.ptc.edu/student- registration/general-education-courses/)	3
	Hours	15
Spring Semester		
CPT 188	Mobile App Development	3
CPT 236	Introduction to Java Programming	3
CPT 237	Advanced JAVA Programming	3
CPT 264	Systems and Procedures	3
CPT 267	Technical Support Concepts	3
	Hours	15
	Total Hours	66
Spring Start		
Course	Title	Hours
First Year		
Spring Semester		
COL 103	College Skills	3

Operating Systems

CPT 257

3



IST 220	Data Communications	3
MAT 155	Contemporary Mathematics	3
	Hours	12
Summer Semest	er	
CPT 186	Visual Basic.NET 1	3
CPT 207	Complex Computer Applications	3
ENG 101	English Composition I	3
	ties/Fine Arts (https://catalog.ptc.edu/student- ing-registration/general-education-courses/)	3
	Hours	12
Fall Semester		
CPT 209	Computer Systems Management	3
CPT 232	C++ Programming I	3
CPT 247	UNIX Operating System	3
CPT 286	Visual Basic.NET II	3
	Hours	12
Second Year		
Spring Semester		
CPT 188	Mobile App Development	3
CPT 236	Introduction to Java Programming	3
CPT 237	Advanced JAVA Programming	3
CPT 242	Database	3
CPT 267	Technical Support Concepts	3
	Hours	15
Summer Semest	er	
CPT 264	Systems and Procedures	3
CPT 282	Information Systems Security	3
	Hours	6
Fall Semester		
IST 226	Internet Programming	3
ENG 102	English Composition II	3
	ral Science (https://catalog.ptc.edu/student- ing-registration/general-education-courses/)	3
	Hours	9

Total Hours

Summer Start

Title	Hours
College Skills	3
Operating Systems	3
Data Communications	3
Contemporary Mathematics	3
Hours	12
Complex Computer Applications	3
Information Systems Security	3
English Composition I	3
	College Skills Operating Systems Data Communications Contemporary Mathematics Hours Complex Computer Applications Information Systems Security

	Hours	12
Spring Semester		
CPT 186	Visual Basic NFT 1	3
CPT 209	Computer Systems Management	3
CPT 242	Database	3
	ral Science (https://catalog.ptc.edu/student- ing-registration/general-education-courses/)	3
	Hours	12
Second Year		
Summer Semest	ter	
CPT 247	UNIX Operating System	Э
CPT 267	Technical Support Concepts	Э
	Hours	e
Fall Semester		
CPT 232	C++ Programming I	Э
CPT 286	Visual Basic.NET II	Э
ENG 102	English Composition II	Э
IST 226	Internet Programming	Э
	Hours	12
Spring Semester	r	
CPT 188	Mobile App Development	Э
CPT 236	Introduction to Java Programming	Э
CPT 237	Advanced JAVA Programming	Э
CPT 264	Systems and Procedures	З
		12

Application and Advising

If you are ready to start your education, there are a few simple steps involved in enrolling at Piedmont Technical College.

Get Started Today (https://www.ptc.edu/admissions/new-students/)

Advising Information

The following information provides a guide for advisors who are helping students enroll in this program.

Program Notes

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Students may start this program in any term, and this program can be completed on a part-time or full-time basis. Program courses are offered during the day and night for all concentrations. Most courses are offered online.

Students may only choose one concentration at a time: Cybersecurity, Networking, or Programming. Other concentrations may be completed subsequently, if desired.

Notes About Individual Classes

College policy states that computer coursework is valid for eight years.



Program Student Learning Outcomes

Purpose Statement

The Computer Technology program prepares students for a variety of positions within the technology field. Computer Technology students will explore many different topics relating to computers. The course study includes computer maintenance, local and wide area networks, as well as popular programming languages. There are 3 A.A.S. areas of concentration: Programming, Network, and Cybersecurity. Certificates include PC Technician, Cybersecurity, and Certified IT professional.

Program Student Learning Outcomes:

1. Demonstrate the ability to use logical design techniques in creating programs and systems.

- 2. Recognize and describe the personal computer hardware components.
- 3. Install, configure, and upgrade personal computer operating systems.
- 4. Apply basic computer literacy concepts.

5. Plan, design, and construct a working computer network including appropriate Local Area Network (LAN) and Wide Area Network (WAN) connections and protocols.

6. Demonstrate the ability to organize data using current computer technology.

7. Analyze and resolve security issues in networks and computer systems to secure an IT infrastructure.

8. Evaluate and communicate the human role in security systems with an emphasis on ethics, social engineering vulnerabilities, and training.

9. Interpret and forensically investigate security incidents.