

Information Technology - Computer Programming (A25590CP)

Associate in Applied Science Degree

Full-Time Program Guide

Program Notes:

- The Information Technology: Computer Programming associate degree requires Work-Based Learning (WBL). For WBL courses, students must complete an intake form with their advisor.
- Credit for prior learning may be available for some courses.

Program Options: Information Technology - Computer Programming at PCC offers an associate degree (A25590CP), diploma (D25590CP), and certificate (C25590CP).

Financial Aid Eligibility: Yes

| Course # | Course Name | Credit Hrs. | Term Offered | Term Completed | Grade |
|-------------------------------|--|--------------|--------------|----------------|-------|
| Fall Semester | | | | | |
| ACA 122 | College Transfer Success | 1 | F, S, SU | | |
| CIS 110 | Introduction to Computers | 3 | F, S, SU | | |
| CTI 110 | IT Foundations | 3 | F | | |
| CTI 120 | Network & Security Foundation | 3 | F | | |
| ENG 111 | Writing and Inquiry | 3 | F, S, SU | | |
| CTS 120 | Hardware/Software Support | 3 | F, S | | |
| Semester Totals: | | 16 | | | |
| Spring Semester | | | | | |
| XXX | Mathematics Elective | 3-4 | See list | | |
| CSC 151 | Java Programming I | 3 | S | | |
| CIS 115 | Introduction to Prog & Logic | 3 | S | | |
| CTI 141 | Cloud and Storage Concepts | 3 | S | | |
| NOS 230 | Windows Administration I | 3 | F, S | | |
| Semester Totals: | | 15-16 | | | |
| Fall Semester | | | | | |
| CSC 153 | C# Programming | 3 | F | | |
| CTS 115 | Info System Business Concepts | 3 | F | | |
| XXX | Humanities/Fine Arts Elective | 3 | See list | | |
| NOS 110 | Operating Systems Concepts | 3 | F | | |
| XXX | Communications Elective | 3 | See list | | |
| CSC 134 or CSC 118 | C++ Programming Swift Programming I | 3 | F, S F | | |
| Semester Totals: | | 18 | | | |

| Spring Semester | | | | |
|-------------------------|------------------------------------|--------------|----------|--|
| CTS 240 | Project Management | 3 | F, S | |
| SEC 110 | Security Concepts | 3 | F, S | |
| DBA 120 | Database Programming I | 3 | S | |
| XXX | Social/Behavioral Science Elective | 3 | See list | |
| CTS 210 | Computer Ethics | 3 | S | |
| CSC 253 | Advanced C# Programming | 3 | F, S | |
| WBL 111 | Work-Based Learning I | 1 | F, S, SU | |
| Semester Totals: | | 19 | | |
| Program Totals: | | 68-69 | | |

| Course # | Course Name | Credit Hrs. | Term Offered |
|---------------------------------------|-----------------------|-------------|--------------|
| Mathematics Elective: Choose 1 | | | |
| MAT 143 | Quantitative Literacy | 3 | F, S, SU |
| MAT 152 | Statistical Methods | 4 | F, S, SU |
| MAT 171 | Pre-Calc Algebra | 4 | F, S, SU |

| Course # | Course Name | Credit Hrs. | Term Offered |
|---|---------------------------|-------------|--------------|
| Social/Behavioral Science Elective: Choose 1 | | | |
| ECO 251 | Prin. of Microeconomics | 3 | F, S, SU |
| ECO 252 | Prin. of Macroeconomics | 3 | F, S, SU |
| PSY 150 | General Psychology | 3 | F, S, SU |
| SOC 210 | Introduction to Sociology | 3 | F, S, SU |

| Course # | Course Name | Credit Hrs. | Term Offered |
|--|------------------------------|-------------|--------------|
| Communications Elective: Choose 1 | | | |
| COM 120 | Intro to Interpersonal Comm. | 3 | F, S |
| COM 231 | Public Speaking | 3 | F, S, SU |

| Course # | Course Name | Credit Hrs. | Term Offered |
|--|----------------------|-------------|--------------|
| Humanities/Fine Arts Elective: Choose 1 | | | |
| ART 111 | Art Appreciation | 3 | F, S, SU |
| HUM 110 | Technology & Society | 3 | S |
| HUM 115 | Critical Thinking | 3 | F, S, SU |
| MUS 110 | Music Appreciation | 3 | F, S |

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Program Outcomes (POs)

PO1: Identify and explain basic networking and security terms and concepts.

PO2: Identify and explain basic technical vocabulary and concepts for website design, computer programming, and database management.

PO3: Manage various single-user operating systems and network operating systems, perform basic PC troubleshooting tasks, and develop skills in information technology project management.