

Skill Set Crosswalk for Information and Communications Technology Cluster

Sherwood High School
Portland Community College
Computer Technology

| | | | | | | | | | | |
|---------------------|--------------------------------------|---------------------------|---|-------------------------------|---|--|---|--|------------------------------|------------------------------|
| Classes > | Computer Science Graphics/Web Design | Computer Science Projects | Introduction to Computer Science through Gaming | Networking/ Internet Security | StRUT/STW/ Computer Hardware/A+ Certification | CAS 111D Beginning Website Creation/ Dreamweaver | CAS 133 Basic Computer Skills/ Microsoft Office | CAS 137 Beginning Web Site Creation: Dreamweaver | CAS 206 Principles of X/HTML | CAS 215 CSS and Dynamic HTML |
|---------------------|--------------------------------------|---------------------------|---|-------------------------------|---|--|---|--|------------------------------|------------------------------|

Indicate what level the skill is taught in each course: 1 = Introductory; 2 = Reinforcement; 3 = Advanced; 4 = Mastery/Application

| Code Number | KS Statement | | | | | | | | | |
|-------------|--|---|---|---|---|---|---|---|---|---|
| ITCi01.01 | Use oral and written communication in creating, expressing, and interpreting information and ideas within the information and communication technologies cluster occupations | 2 | 3 | 1 | 3 | 3 | x | x | x | x |
| ITCi02.01 | Exhibit ethical and professional behavior | 2 | 4 | 2 | 4 | 4 | x | x | x | x |
| ITCi03.01 | Use information technology tools specific to the information and communication technologies cluster to access, manage, integrate, and create information | 2 | 4 | 2 | 4 | 4 | x | x | x | x |
| ITCi04.01 | Explore, plan, and effectively manage careers within the information and communication technologies cluster | 1 | 4 | 1 | 4 | 4 | 0 | x | x | 0 |
| ITCi05.01 | Perform problem solving and troubleshooting for information and communication cluster | 1 | 4 | 3 | 4 | 4 | x | x | x | x |
| ITCi06.01 | Demonstrate an understanding of systems within the information and communication technologies environment | 2 | 4 | 2 | 4 | 4 | x | x | x | x |
| ITCi07.01 | Use knowledge of design, operation, and maintenance of technological systems critical to the information and communication technologies cluster | 2 | 4 | 2 | 4 | 4 | x | x | x | x |
| ITCi08.01 | Understand and adhere to safety, health, and environmental standards and regulations | 0 | 4 | 0 | 4 | 4 | 0 | 0 | 0 | 0 |
| ITCi09.01 | Demonstrate ability to develop, implement, and maintain cybersecurity | 1 | 4 | 1 | 4 | 4 | 0 | 0 | 0 | 0 |
| ITCi10.01 | Demonstrate ability to manage projects | 2 | 4 | 2 | 4 | 4 | x | x | x | x |

Skill Set Crosswalk for Information and Communications Technology Cluster

| | | | | | | | | | | |
|---|--|---------------------------|---|-------------------------------|---|--|---|--|------------------------------|------------------------------|
| Sherwood High School | | | | | | | | | | |
| Portland Community College | | | | | | | | | | |
| Computer Technology | | | | | | | | | | |
| Classes > | Computer Science Graphics/Web Design | Computer Science Projects | Introduction to Computer Science through Gaming | Networking/ Internet Security | StRUT/STW/ Computer Hardware/A+ Certification | CAS 111D Beginning Website Creation/ Dreamweaver | CAS 133 Basic Computer Skills/ Microsoft Office | CAS 137 Beginning Web Site Creation: Dreamweaver | CAS 206 Principles of X/HTML | CAS 215 CSS and Dynamic HTML |
| Indicate what level the skill is taught in each course: 1 = Introductory; 2 = Reinforcement; 3 = Advanced; 4 = Mastery/Application | | | | | | | | | | |
| ITCi11.01 | Demonstrate ability to manage, monitor, and evaluate work processes and procedures | 2 | 4 | 2 | 4 | 4 | 0 | 0 | 0 | 0 |

Skill Set Crosswalk for Web Development and Administration Focus Area

| Sherwood High School | | | | | | | | | | | |
|---|--|---------------------------|---|-------------------------------|---|--|---|--|------------------------------|------------------------------|---|
| Portland Community College | | | | | | | | | | | |
| Computer Technology | | | | | | | | | | | |
| Classes > | Computer Science Graphics/Web Design | Computer Science Projects | Introduction to Computer Science through Gaming | Networking/ Internet Security | StRUT/STW/ Computer Hardware/A+ Certification | CAS 111D Beginning Website Creation/ Dreamweaver | CAS 133 Basic Computer Skills/ Microsoft Office | CAS 137 Beginning Web Site Creation: Dreamweaver | CAS 206 Principles of X/HTML | CAS 215 CSS and Dynamic HTML | |
| Indicate what level the skill is taught in each course: 1 = Introductory; 2 = Reinforcement; 3 = Advanced; 4 = Mastery/Application | | | | | | | | | | | |
| Code Number | KS Statement | | | | | | | | | | |
| ICPHi01.01 | Understand and perform technical analysis | 1 | 3 | 1 | 3 | 1 | 0 | x | x | 0 | x |
| ICPHi02.01 | Understand and perform web programming | 1 | 2 | 1 | 2 | 1 | 0 | x | x | 0 | x |
| ICPHi03.01 | Develop, deliver and manage web content | 1 | 2 | 1 | 2 | 2 | 0 | x | x | x | x |
| ICPHi04.01 | Implement and maintain site and applications | 2 | 2 | 1 | 2 | 2 | 0 | x | x | x | x |
| ICPHi05.01 | Manage web environment | 2 | 2 | 1 | 2 | 2 | 0 | x | x | x | x |
| ICPHi06.01 | Manage enterprise-wide web activities | 1 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| ICPHi07.01 | Perform testing and quality assurance | 2 | 2 | 1 | 2 | 0 | 0 | x | x | 0 | x |
| ICPHi08.01 | Develop and implement web database | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Skill Set Crosswalk for Digital Media Focus Area

| Sherwood High School | | | | | | | | | | | |
|---|---|---------------------------|---|-------------------------------|---|--|---|--|------------------------------|------------------------------|---|
| Portland Community College | | | | | | | | | | | |
| Computer Technology | | | | | | | | | | | |
| Classes > | | | | | | | | | | | |
| | Computer Science Graphics/Web Design | Computer Science Projects | Introduction to Computer Science through Gaming | Networking/ Internet Security | StRUT/STW/ Computer Hardware/A+ Certification | CAS 111D Beginning Website Creation/ Dreamweaver | CAS 133 Basic Computer Skills/ Microsoft Office | CAS 137 Beginning Web Site Creation: Dreamweaver | CAS 206 Principles of X/HTML | CAS 215 CSS and Dynamic HTML | |
| Indicate what level the skill is taught in each course: 1 = Introductory; 2 = Reinforcement; 3 = Advanced; 4 = Mastery/Application | | | | | | | | | | | |
| Code Number | KS Statement | | | | | | | | | | |
| ICPBi01.01 | Perform analysis on internal and external customer requirements | 1 | 3 | 0 | 3 | 3 | 0 | x | x | x | x |
| ICPBi02.01 | Produce visual and functional design | 1 | 3 | 1 | 3 | 2 | x | x | x | x | x |
| ICPBi03.01 | Perform media production and acquisition | 3 | 3 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 |
| ICPBi04.01 | Implement design | 2 | 4 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| ICPBi05.01 | Test and deliver the product | 0 | 4 | 0 | 4 | 3 | 0 | x | x | 0 | x |

Skill Set Crosswalk for Interactive Media Focus Area

| | | | | | | | | | | | |
|--|-----------------------------------|--|--|--|--|--|--|--|--|--|--|
| | Sherwood High School | | | | | | | | | | |
| | Portland Community College | | | | | | | | | | |
| | Computer Technology | | | | | | | | | | |

| | | | | | | | | | | |
|---------------------|--------------------------------------|---------------------------|---|-------------------------------|---|--|---|--|------------------------------|------------------------------|
| Classes > | Computer Science Graphics/Web Design | Computer Science Projects | Introduction to Computer Science through Gaming | Networking/ Internet Security | StRUT/STW/ Computer Hardware/A+ Certification | CAS 111D Beginning Website Creation/ Dreamweaver | CAS 133 Basic Computer Skills/ Microsoft Office | CAS 137 Beginning Web Site Creation: Dreamweaver | CAS 206 Principles of X/HTML | CAS 215 CSS and Dynamic HTML |
|---------------------|--------------------------------------|---------------------------|---|-------------------------------|---|--|---|--|------------------------------|------------------------------|

Indicate what level the skill is taught in each course: 1 = Introductory; 2 = Reinforcement; 3 = Advanced; 4 = Mastery/Application

| Code Number | KS Statement | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|
| VPPAi01.01 | Gather and analyze interactive media customer requirements | 1 | 2 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 |
| VPPAi01.02 | Define scope of interactive media work in written form | 0 | 3 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| VPPAi01.03 | Create interactive media product specifications | | 3 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| VPPAi01.04 | Demonstrate and apply knowledge of project management | 1 | 4 | 1 | 4 | 3 | 0 | x | x | 0 | x |
| VPPAi01.05 | Demonstrate the effective use of tools for interactive media production, development and project management | 1 | 3 | 1 | 4 | 3 | x | 0 | 0 | x | 0 |
| VPPAi01.06 | Demonstrate and apply knowledge of web programming and hosting | 1 | 3 | 0 | 3 | 2 | 0 | x | x | x | x |
| VPPAi01.07 | Create/implement interactive media product | 0 | 3 | 1 | 2 | 2 | 0 | 0 | 0 | x | 0 |
| VPPAi01.08 | Test interactive media product | 0 | 3 | 1 | 3 | 2 | 0 | 0 | 0 | x | 0 |
| VPPAi01.09 | Deliver a quality interactive media product | 0 | 3 | 1 | 3 | 2 | 0 | 0 | 0 | x | 0 |
| VPPAi01.10 | Perform maintenance and customer support functions for interactive media products | 0 | 3 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 |

Skill Set Crosswalk for Programming and Software Engineering

Sherwood High School

Portland Community College

Computer Technology

Classes >

Computer Science Graphics/Web Design

Computer Science Projects

Introduction to Computer Science through Gaming

Networking/ Internet Security

StRUT/STW/ Computer Hardware/A+ Certification

CIS 120 Computer Concepts I

CIS 121 Computer Concepts II

CIS 122 Software Design

Indicate what level the skill is taught in each course: 1 = Introductory; 2 = Reinforcement; 3 = Advanced; 4 = Mastery/Application

| Code Number | KS Statement | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|
| ICPEi01.01 | Perform analysis of customer requirements | 2 | 3 | 0 | 4 | 3 | x | x | x |
| ICPEi02.01 | Develop structure | 2 | 3 | 0 | 4 | 3 | x | x | x |
| ICPEi03.01 | Design and develop program | 3 | 3 | 1 | 4 | 3 | x | x | x |
| ICPEi04.01 | Implement program. | 2 | 3 | 1 | 4 | 3 | x | x | x |
| ICPEi05.01 | Test and validate program | 3 | 3 | 1 | 4 | 4 | x | x | x |
| ICPEi06.01 | Release product | 2 | 3 | 0 | 4 | 4 | x | x | x |

Skill Set Crosswalk for Technical Support Focus Area

Sherwood High School

Portland Community College

Computer Technology

Classes >

Computer Science Graphics/Web Design

Computer Science Projects

Introduction to Computer Science through Gaming

Networking/Internet Security

STRUT/STW/Computer Hardware/A+ Certification

CIS 120 Computer Concepts I

CIS 121 Computer Concepts II

CIS 122 Software Design

Indicate what level the skill is taught in each course: 1 = Introductory; 2 = Reinforcement; 3 = Advanced; 4 = Mastery/Application

| Code Number | KS Statement | | | | | | | | |
|-------------|--|---|---|---|---|---|---|---|---|
| ITCi01.01 | Use oral and written communication in creating, expressing, and interpreting information and ideas within the information and communication technologies cluster occupations | 2 | 3 | 2 | 3 | 2 | x | x | x |
| ITCi02.01 | Exhibit ethical and professional behavior | 3 | 4 | 1 | 4 | 3 | x | x | x |
| ITCi03.01 | Use information technology tools specific to the information and communication technologies cluster to access, manage, integrate, and create information | 2 | 4 | 1 | 3 | 3 | x | x | x |
| ITCi04.01 | Explore, plan, and effectively manage careers within the information and communication technologies cluster | 2 | 4 | 1 | 4 | 3 | x | x | x |
| ITCi05.01 | Perform problem solving and troubleshooting for information and communication cluster | 3 | 4 | 2 | 4 | 3 | x | x | x |
| ITCi06.01 | Demonstrate an understanding of systems within the information and communication technologies environment | 3 | 3 | 1 | 3 | 3 | x | x | x |
| ITCi07.01 | Use knowledge of design, operation, and maintenance of technological systems critical to the information and communication technologies cluster | 3 | 3 | 2 | 4 | 3 | x | x | x |

Skill Set Crosswalk for Technical Support Focus Area

| | | Sherwood High School | | | | | | | |
|---|--|--------------------------------------|---------------------------|---|-------------------------------|---|-----------------------------|------------------------------|-------------------------|
| | | Portland Community College | | | | | | | |
| | | Computer Technology | | | | | | | |
| Classes > | | Computer Science Graphics/Web Design | Computer Science Projects | Introduction to Computer Science through Gaming | Networking/ Internet Security | StRUT/STW/ Computer Hardware/A+ Certification | CIS 120 Computer Concepts I | CIS 121 Computer Concepts II | CIS 122 Software Design |
| Indicate what level the skill is taught in each course: 1 = Introductory; 2 = Reinforcement; 3 = Advanced; 4 = Mastery/Application | | | | | | | | | |
| ITCi08.01 | Understand and adhere to safety, health, and environmental standards and regulations | 2 | 3 | 2 | 3 | 3 | 0 | 0 | 0 |
| ITCi09.01 | Demonstrate ability to develop, implement, and maintain cybersecurity | 2 | 3 | 2 | 4 | 2 | 0 | 0 | 0 |
| ITCi10.01 | Demonstrate ability to manage projects | 3 | 4 | 3 | 4 | 3 | 0 | x | x |
| ITCi11.01 | Demonstrate ability to manage, monitor, and evaluate work processes and procedures | 3 | 3 | 2 | 3 | 3 | 0 | x | x |