

# BUSINESS COMPUTING (BC)

## BC C103 3 Units (54 lecture hours)

### Cascading Style Sheets

**Advisory:** BC C171.

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

Cascading style sheets are used to create dynamic, high-quality web pages, quickly and set the 'look and feel' of the site. Use CSS to implement the desired layout, positioning, styling, tables, headings and other page elements with efficiency. Graded or Pass/No Pass option.

## BC C104 1.5 Units (27 lecture hours)

### Introduction to Windows Operating System

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

This course provides an overview of the Windows operating system. Topics include opening and closing programs; editing; saving and storing files; working with folders, the interface, and Internet; performing customizations; and using multimedia, communications, security, cloud storage, and other related topics. Graded or Pass/No Pass option.

## BC C107A 1.5 Units (27 lecture hours)

### Keyboarding

**Advisory:** Computer access required.

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

Introduction to learning to touch-type on the computer. Good for personal or business use. Graded or Pass/No Pass option. **C-ID:** BC C107A + BC C107B = BSOT 110X.

## BC C107B 1.5 Units (27 lecture hours)

### Keyboarding and Formatting Documents

**Advisory:** BC C107A and computer access is required.

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

Develop your typing speed and accuracy. Learn to type simple letters, memos, and more. For personal or business use. Graded or Pass/No Pass option. **C-ID:** BC C107A + BC C107B = BSOT 110X.

## BC C112 3 Units (54 lecture hours)

### Office Organization

**Advisory:** Keyboarding skills of at least 25 words per minute.

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

This course prepares you to work efficiently in today's professional office environment. Topics include customer service, time management, writing/proofreading/editing skills, workplace communications, records management, office computing/Internet skills, meeting organization and plans, business terminology, office design, career advancement, and business etiquette. Graded or Pass/No Pass option.

## BC C115 1.5 Units (27 lecture hours)

### Customer Service/Soft Skills

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

This course focuses on the importance of effectively developing quality customer service techniques to be successful in any career. Graded or Pass/No Pass option.

## BC C116 3 Units (54 lecture hours)

### Introduction to Mobile Applications

**Advisory:** Computer literacy.

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

This course examines the development and future of mobile applications, including Smart Phone, iPhone, iPad, and other Mobile Tablet devices. Content will include how mobile applications are researched, designed, created, and marketed. Project outcomes, software selection, interface design, graphics, programming, marketing, and promotion will be introduced. Students will create a simple mobile application of their own design. Graded or Pass/No Pass option.

## BC C117 3 Units (54 lecture hours)

### Mobile Applications Development

**Advisory:** BC C116.

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

This course investigates further the rapidly changing development of mobile applications. Focus will be on converting to native apps, distributing, designing for various platforms (iPhone, Android, Windows Mobile etc.), and recognizing the specific constraints and requirements of user interface design. The course combines a conceptual overview, design issues, and practical development. Students will create a working mobile application as a final project. Graded or Pass/No Pass option.

## BC C120 1.5 Units (27 lecture hours)

### Microsoft Excel 1

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

Students will learn to use Microsoft Excel to create professional worksheets that include formulas, functions, charts, printing techniques, and data analysis. Graded or Pass/No Pass option. **C-ID:** BSOT 112X.

## BC C121 1.5 Units (27 lecture hours)

### Microsoft Excel 2

**Advisory:** BC C120.

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

Advanced training and application in Microsoft Excel based on fundamentals learned in the Excel Introductory course. Topics include formulas, functions, range names, templates, tables/databases, linking worksheets, advanced charting, and macros. Graded or Pass/No Pass option.

<p><b>BC C123</b> <b>3 Units (54 lecture hours)</b>  <b>Introduction to QuickBooks</b>  <b>Grading Mode:</b> Standard Letter, Pass/No Pass  <b>Transfer Credit:</b> CSU.</p> <p>Use QuickBooks to track the financial activity of a small business. Topics include banking, accounts payable/receivable, invoicing, inventory, billing, and customer data management. Students should be familiar with personal computers and current operating systems. Graded or Pass/No Pass option.</p>	<p><b>BC C150</b> <b>3 Units (54 lecture hours)</b>  <b>Microsoft Office Professional 1</b>  <b>Grading Mode:</b> Standard Letter, Pass/No Pass  <b>Transfer Credit:</b> CSU.</p> <p>An introduction to MS Office applications - Microsoft Word, Excel, Access, PowerPoint, and other related tools. Graded or Pass/No Pass option.</p>
<p><b>BC C124</b> <b>3 Units (54 lecture hours)</b>  <b>Using Adobe Acrobat</b>  <b>Grading Mode:</b> Standard Letter, Pass/No Pass  <b>Transfer Credit:</b> CSU.</p> <p>Adobe Acrobat is the essential tool for universal document exchange. It is an effective, reliable and efficient way to share information electronically. Convert any document into a PDF file with its original appearance preserved, and then distribute it for viewing and printing on any system. Graded or Pass/No Pass option. <b>C-ID:</b> BSOT 125X.</p>	<p><b>BC C154</b> <b>3 Units (54 lecture hours)</b>  <b>Analytics: Fundamentals of Adobe Analytics</b>  <b>Advisory:</b> proficient in the Microsoft Office Suite – Word, PowerPoint and Excel and knowledge of HTML.</p> <p><b>Grading Mode:</b> Standard Letter, Pass/No Pass  <b>Transfer Credit:</b> CSU.</p> <p>The Fundamentals of Adobe Analytics course is designed to introduce you to the key capabilities within the Adobe Reports and Analytics within Adobe Analysis Workspace solutions. You will learn how to navigate the reporting interface, create engaging reports to get answers to business questions, and configure reports for effective decision-making. You will also learn how to segment data, create calculated metrics, implement powerful visualizations for analysis, perform intelligent analysis on marketing performance, and share reports. You will explore the role of a digital analyst and learn how to have an impact within a data-driven organization. Graded or Pass/No Pass option.</p>
<p><b>BC C145</b> <b>3 Units (54 lecture hours)</b>  <b>Medical Administrative Assistant 1</b>  <b>Advisory:</b> Microsoft Word and Internet experience.</p> <p><b>Grading Mode:</b> Standard Letter  <b>Transfer Credit:</b> CSU.</p> <p>A practical course designed for students in medical assisting, nursing, and allied health occupations to learn how to successfully support the front or back office of a health care facility. Letter Grade only.</p>	<p><b>BC C156</b> <b>3 Units (54 lecture hours)</b>  <b>Advanced Analytics - Adobe Analytics Advanced Features and Admin</b>  <b>Grading Mode:</b> Standard Letter, Pass/No Pass  <b>Transfer Credit:</b> CSU.</p> <p>The Adobe Analytics Advanced Features and Administration is designed to introduce students to the administrative functions in Analytics in order to create and configure data environments and manage users' permissions. Students will understand how data is collected and processed from online and offline to have a complete picture of visitors and analyze their behaviors across the entire digital journey as well as prove Return On Investment (ROI) through customer attribution, anomaly detection, and cohort analysis to better direct companies' marketing spending. Graded or Pass/No Pass option.</p>
<p><b>BC C147</b> <b>2 Units (36 lecture hours)</b>  <b>Beginning Microsoft Word</b>  <b>Advisory:</b> BC C107A or typing speed at least 25 wpm.</p> <p><b>Grading Mode:</b> Standard Letter, Pass/No Pass  <b>Transfer Credit:</b> CSU.</p> <p>Learn to use the latest version of Microsoft Word to create professional-looking documents for personal and business needs. Topics include using Windows operating system basics and Internet Explorer; creating, editing, formatting, and managing documents; inserting objects, tables, SmartArt, diagrams, and organizational charts. Graded or Pass/No Pass option. <b>C-ID:</b> BSOT 111X.</p>	<p><b>BC C160</b> <b>3 Units (54 lecture hours; 18 lab hours)</b>  <b>Introduction to Geographic Information Systems (GIS)</b>  <b>Advisory:</b> BC C121 and C175 or equivalent competency.</p> <p><b>Grading Mode:</b> Standard Letter, Pass/No Pass  <b>Transfer Credit:</b> CSU.</p> <p>An introduction to the concepts and use of Geographic Information Systems (GIS) and its role in analysis and decision making. Course work is based on the mapping and spatial analysis capabilities of the ArcView software program. Students will be introduced to basic cartographic principles, maps, scales coordinate systems and projections. Through computer lab tutorials and case studies students will learn to use ArcView to view relationships, patterns, or trends that are not possible to see with traditional charts, graphs, and spreadsheets. Graded or Pass/No Pass option.</p>
<p><b>BC C148</b> <b>2 Units (36 lecture hours)</b>  <b>Intermediate Microsoft Word</b>  <b>Advisory:</b> BC C147.</p> <p><b>Grading Mode:</b> Standard Letter, Pass/No Pass  <b>Transfer Credit:</b> CSU.</p> <p>Learn to use the latest version of Microsoft Word to create professional-looking documents for personal and business needs at the Intermediate skill level. Topics include custom multilevel lists, automation, themes and styles, comments, track changes, document protection, distribution, and digital signatures. Graded or Pass/No Pass option. <b>C-ID:</b> BSOT 121 X.</p>	

**BC C161** **3 Units (54 lecture hours)**  
**Health Information Technology: Medical Coding 1**  
**Advisory:** BC C104 or ability to use Microsoft Windows.

**Grading Mode:** Standard Letter, Pass/No Pass  
**Transfer Credit:** CSU.

An introductory course in Current Procedural Terminology (CPT). Systematically learn CPT codes by body system, various procedures and ways to code each one. This course includes an introduction to International Classification of Diseases, 9th Revision, Clinical Modification (ICD 9-CM/10-CM) and information about third party reimbursement. Graded or Pass/No Pass option.

**BC C162** **3 Units (54 lecture hours)**  
**Health Information Technology: Medical Coding 2**  
**Advisory:** BC C104 or ability to use Microsoft Windows, and BC C161 and C163.

**Grading Mode:** Standard Letter, Pass/No Pass  
**Transfer Credit:** CSU.

This second course in medical coding emphasizes coding physician services and diagnoses in the outpatient settings of clinics and outpatient departments of hospitals. Study authentic medical cases covering concepts that give a more in-depth understanding of physician-based services. It includes auditing previously coded cases that were returned because of errors. This is the second course in preparing for the certification examination given by either the American Health Information Management Association or the American Academy of Professional Coders. Graded or Pass/No Pass option.

**BC C163** **3 Units (54 lecture hours)**  
**Health Information Technology: Medical Terminology**  
**Advisory:** BC C104 or ability to use Microsoft Windows.

**Grading Mode:** Standard Letter, Pass/No Pass  
**Transfer Credit:** CSU.

Introduction to medical terminology for body structure, body systems, and diagnostic work. Prefixes, suffixes, word roots, and combined word forms. Includes instruction in spelling, definition, and pronunciation. Graded or Pass/No Pass option.

**BC C171** **3 Units (54 lecture hours)**  
**Web Design/XHTML 1**  
**Advisory:** BC C170 or DGA C166A.

**Grading Mode:** Standard Letter, Pass/No Pass  
**Transfer Credit:** CSU.

Web Design/XHTML 1 introduces students to the foundations of web design, including planning, creating, and publishing a website. It emphasizes HTML/XHTML coding rather than using a WYSIWYG (What You See Is What You Get) editor. The course also covers some critical issues related to web design such as background information including copyright issues. Graded or Pass/No Pass option.

**BC C175** **1.5 Units (27 lecture hours)**  
**Microsoft Access 1**  
**Advisory:** BC C104.

**Grading Mode:** Standard Letter, Pass/No Pass  
**Transfer Credit:** CSU.

Using Microsoft Access, learn database basics. Design and create tables, forms, and reports. Create queries, including aggregate functions and crosstab queries, to analyze and filter data. Graded or Pass/No Pass option. **C-ID:** BSOT 113X.

**BC C176** **1.5 Units (27 lecture hours)**  
**Microsoft Access, Level 2**  
**Advisory:** BC C175 or fundamental skills using a personal database.

**Grading Mode:** Standard Letter, Pass/No Pass  
**Transfer Credit:** CSU.

Continuation of Microsoft Access Level 1, emphasizing relational database design, maintenance, customized forms, built-in functions, macros, an introduction to Structured Query Language, and an overview of Visual Basic for Applications. Graded or Pass/No Pass option.

**BC C185** **1.5 Units (27 lecture hours)**  
**Microsoft PowerPoint**  
**Advisory:** BC C150, C104, or C147 or strong ability to use Microsoft Windows.

**Grading Mode:** Standard Letter, Pass/No Pass  
**Transfer Credit:** CSU.

Create powerful, effective, professional presentations using Microsoft PowerPoint. Topics will include creating, organizing ideas, editing, communicating ideas, and delivering presentations in multiple modalities. Graded or Pass/No Pass option. **C-ID:** BSOT 114X.

**BC C194** **3 Units (54 lecture hours)**  
**Web Accessibility**

**Grading Mode:** Standard Letter, Pass/No Pass  
**Transfer Credit:** CSU.

Create accessible websites or revise existing, non-accessible sites using HTML and other appropriate coding. Explore specific strategies and techniques for producing accessible webpages, Word documents, PDF documents, and tagging images or captioning video. Graded or Pass/No Pass option.

**BC C281 1 Unit (90 other hours)**

**Work Based Learning**

**Prerequisite(s):** Be employed or volunteer in a field related to Business Computing for 5 hours per week per 1 unit of Work Based Learning.

**Co-requisite(s):** Be enrolled in a total of 7 units including Work Based Learning.

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

To enhance each Work Based Learning participant's opportunity for success in the field of Business Computing by bridging the gap between educational theory and on-the-job practices through individualized performance objectives related to the student's career or occupational goal in Business Computing. Graded or Pass/No Pass option.

**BC C282 2 Units (180 other hours)**

**Work Based Learning**

**Prerequisite(s):** Be employed or volunteer in a field related to Business Computing for 5 hours per week per 1 unit of Work Based Learning.

**Co-requisite(s):** Be enrolled in a total of 7 units including Work Based Learning.

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

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**BC C283 3 Units (270 other hours)**

**Work Based Learning**

**Prerequisite(s):** Be employed or volunteer in a field related to Business Computing for 5 hours per week per 1 unit of Work Based Learning.

**Co-requisite(s):** Be enrolled in a total of 7 units including Work Based Learning.

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

To enhance each Work Based Learning participant's opportunity for success in the field of Business Computing by bridging the gap between educational theory and on-the-job practices through individualized performance objectives related to the student's career or occupational goal in Business Computing. Graded or Pass/No Pass option.

**BC C284 4 Units (360 other hours)**

**Work Based Learning**

**Prerequisite(s):** Be employed or volunteer in a field related to Business Computing for 5 hours per week per 1 unit of Work Based Learning.

**Co-requisite(s):** Be enrolled in a total of 7 units including Work Based Learning.

**Grading Mode:** Standard Letter, Pass/No Pass

**Transfer Credit:** CSU.

To enhance each Work Based Learning participant's opportunity for success in the field of Business Computing by bridging the gap between educational theory and on-the-job practices through individualized performance objectives related to the student's career or occupational goal in Business Computing. Graded or Pass/No Pass option.