Recent Announcements

U

Week 2: Structured Design Concepts & the Anatomy of a Computer Program
(https://msjc.instructure.com/courses/35374/discussion_topics/890525)

This week you will be learning binary encoding, the System Development Life Cyc...

↰ Reply
(https://msjc.instructure.com/courses/35374/discussion_topics/890525)

Posted on: Jun 12, 2023, 12:01 AM

Check-In to CSIS 111B 3334 by 11:59 PM Tonight!!!
(https://msjc.instructure.com/courses/35374/discussion_topics/893255)

Just wanted to give you a friendly reminder if you have not checked-in to the CSIS...

Posted on: Jun 6, 2023, 9:58 AM

U

Week 1: Let the Learning Begin
(https://msjc.instructure.com/courses/35374/discussion_topics/890527)

Reminder, that CSIS 111B is a short-term class, 8 weeks long. This means you will ...

Posted on: Jun 5, 2023, 12:01 AM

Home

IMPORTANT! No class meetings or online meetings are required for the fully online version of this course.

CSIS 111B
Fundamentals of Computer Programming

↗ **Start Here (https://msjc.instructure.com/courses/35374/pages/start-here)**

✓ **Check-In (https://msjc.instructure.com/courses/35374/discussion_topics/8…**

▤ **Syllabus (https://msjc.instructure.com/courses/35374/pages/syllabus)**

⬡ **Modules (https://msjc.instructure.com/courses/35374/modules)**

❓ **Help! (https://msjc.instructure.com/courses/35374/discussion_topics/890528)**

In order to successfully complete this course **read everything thoroughly!!!**

📖 Course Introduction

This course is an elective for the following CIS department academic awards:

- The *Programming* state certificate.
- The *Programming* track A.S. degree.
- The *Internet Authoring* state certificate.
- The *Internet Authoring* track A.S. degree.

This course is designed to introduce scholars to fundamental computer programming concepts and principles, and the skills necessary to begin developing modern-day desktop, mobile, and Web applications. The knowledge and skills learned by scholars completing this course are very much in

demand by all employers who use computer technologies in their businesses - so pretty much every business out there today.

Apple founder Steve Jobs once wrote the he believed that "everyone should learn how to program, because it teaches you how to think." Watch the following YouTube video to learn about people who already have learned these skills and who have worked or are working now in not just the field of software development, but other exciting fields as well.

What Most Schools Don't Teach

Without hesitation I can promise you this, if you start putting forth the effort now and commit to exerting 100% effort to successfully learn the content of this course, you will look back on this day at some point and say "that's the day that changed my life." And, it's not a far stretch to say that you very well could be one of the next computer programming rock stars.

Course Description

This course will introduce students with no prior programming experience to the fundamentals of computer programming. These are foundation concepts for nearly all modern programming languages including C++, C#, Java, JavaScript and Python. Topics include writing syntactically correct statements that include sequence, repetition, and selection control structures. Advanced topics include arrays, file I/O, and an introduction to the principles of object-oriented programming. One or more high-level programming languages will be used to reinforce the general concepts presented in this course.

Course Learning Objectives

By the end of this course, you will be able to:

- Plan a business solution which incorporates each step of the program development cycle.
- Compose simple algorithms, flowcharts, and pseudo-code.
- Contrast and compare high-level programming languages as to suitability to a task.
- Develop business solutions which demonstrate the proper use of programming syntax including the effective and appropriate use of variables, expressions, and functions.
- Apply appropriate Sequential, Repetition, and Selection control structures to solve specific programming problems.
- Develop business solutions which demonstrate the role of arrays and File I/O through language specific application of these techniques.

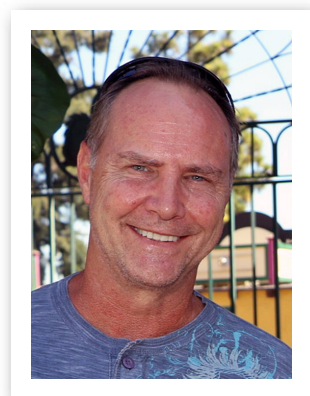
📖 Course Learning Outcomes

By the end of this course you will have demonstrated the ability to:

- Develop a program that correctly implements the for, while, and do while looping structure
- Code and implement the if, if else, conditional, and switch decision constructs.
- Develop algorithms that implement arrays for data storage and retrieval.
- Demonstrate the use of functions for modular programming
- Code a complex (operations do not share the same level of precedence) algebraic expression in the target language.

👤 Instructor Info

(https://msjc.instructure.com/users/890/files/2481624/download? wrap=1&verifier=xUUlyiVda7qw1ZYrEC6tCmJKo29wQJeNzWVpec4U)

👤 Professor Bill Bennett

✉ **bbennett@msjc.edu (mailto:bbennett@msjc.edu;)** - or- **Canvas Inbox (https://msjc.instructure.com/courses/35374/users)** .

📞 (951) 639-5530

🏛 **Computer Information Systems Department** ⤴ **(https://cis.msjc.edu)** (CIS)

🕐 M/W Noon - 1:00 P.M. on **Zoom** ⤴ **(https://zoom.us/j/4620307622)** . Not available during summer semester.

💬 How to Provide Feedback

At any time while completing this course, if you would like to provide feedback about the course, good, bad, or other, then just complete the **Anonymous Course Survey (https://msjc.instructure.com/courses/35374/quizzes/401616)** form. Your instructor will receive your feedback as soon as you submit it, and your personal information will not be included. All of your CIS instructors value student feedback and you are encouraged to do so whenever you feel like it.

🚩 MSJC's Internet Authoring Program

(http://cis.bbent.com/IMages/IA_Logo.png) The course you are enrolled in is part of Mt. San Jacinto College's *Internet Authoring* program. The goal of the program is to get students prepared for high-paying information technology jobs, specifically jobs which involve or require Web development skills of the highest caliber. By completing courses in the *Internet Authoring* program you can earn up to two certifications and one A.S. degree - an Employment Concentration certification (*Apprentice*), a State of California Certification (*Journeyman*), and an *Associate of Science Degree in Internet Authoring*. For more details about the Computer Information Systems (CIS) department's *Internet Authoring* program and its related courses, view the **Internet Authoring** ⤴ **(https://cis.bbent.com/Pathways/InternetAuthoring)** page.

☑ How to Earn a Degree, a Certificate, an Employment Concentration, or an Industry Certification

---

For those of you interested in pursuing either a more in-depth understanding of a particular IT (Information Technology) subject or perhaps even an IT career certification, you'll find that MSJC's CIS department has many courses to suit your needs. Below is a table that shows the Certification programs offered by our department. Click on the links in the left-hand column to view the courses you need to complete to earn each certificate.

Available CIS Completion Awards.

CIS Program	Awards Possible
Computer Hardware Specialist ⤷ (https://cis.bbent.com/Pathways/?path=8)	Employment Concentration
Internet Authoring ⤷ (https://cis.bbent.com/Pathways/?path=1)	State Certificate A. S. Degree
Internet Authoring (Apprentice) ⤷ (https://cis.bbent.com/Pathways/?path=9)	Employment Concentration
Networking: Cisco ⤷ (https://cis.bbent.com/Pathways/?path=4)	Employment Concentration
Cybersecurity ⤷ (https://cis.bbent.com/Pathways/?path=10)	Employment Concentration
Programming ⤷ (https://cis.msjc.edu/Pathways/?Path=3) **(choose from C++, C#, Java, or Python)**	State Certificate A. S. Degree

---

🗨 Closing Comments

As always if you have any questions I am happy to answer them; just contact me using any of the methods I've mentioned.

Have fun learning in this class; if you put forth the necessary effort to study the information presented, you will gain a lot of insight about computer programming skills that can benefit you personally as well as professionally.

Bill Bennett (http://cis.bbent.com/Bill) , Associate Professor
Internet Authoring ⤷ **(https://cis.bbent.com/Pathways/InternetAuthoring)** Coordinator
MSJC (https://msjc.edu/) CIS (https://cis.bbent.com/) MVC

(https://www.msjc.edu/CollegeInformation/MapsDirectionstoMSJC/Pages/Menifee-Valley-Campus1.aspx)
room 963 (https://cis.bbent.com/Support/MVCCampusMap/BTC/)

✎ Academic Technology Services

It is the mission of Academic Technology Services to provide, repair, and maintain instructional technology that directly supports students; organize instructional technology settings and events; collaborate, communicate and guide faculty and staff to enhance learning outcomes using instructional technology.

For technical support open a Help ticket with **Academic Technology Services** ⤷ **(https://support.msjc.edu/support/home)**

---

⑦ Additional Help Options

Click or tap the Canvas Help icon in the Global Navigation menu for more Help options.

Diversity, Equity, and Inclusiveness

Mt. San Jacinto College is committed to supporting the diversity of its students and communities and as such, this virtual classroom will be a space committed to anti-racism, anti-sexism, and anti-homophobia. I believe it is important that our class is a space where we can work to understand ourselves and others better. To do this, we must have respect for each other and treat each other with dignity, which requires that we value and affirm each other's experiences. We, the Mt. San Jacinto College Faculty, Classified Professionals, and Administrators, acknowledge there are systemic barriers that have historically excluded and prevented equal outcomes for students on the basis of:

- Race/ethnicity
- Gender Identity and Expression
- Sexuality
- National Origin
- Socioeconomic status
- (Dis)Ability
- Language

- Religion
- Age
- Physical Appearance
- Intersections of these identities.

Therefore, we define equity as an investment and commitment to achieving parity in academic outcomes by removing institutional barriers and creating an inclusive and culturally affirming learning environment. As such, we are dedicated to challenging our perceptions, biases, and blind spots through self-reflection and constant inquiry to identify and eliminate equity gaps and reinvest in our communities. Our purpose is to celebrate diversity, instill hope, and empower our students to transform their lives and those around them.]