



## Course Information

Semester & Year:	Spring 2025
Course Title:	Python Programming: Level I
Course Prefix & Number:	CIS156
Section Number:	30353
Credit Hours:	3.0
Start Date:	Monday, January 27, 2025
End Date:	Friday, May 9, 2025
Room Number:	CM 444 (Optional In-Person Lab Hours Only)
Meeting Days:	Tuesdays (Optional In-Person Lab Hours Only)
Meeting Times:	5:30-7:00 PM
BBB Lab Link	<a href="https://cislab.scottsdalecc.edu/rooms/5tr-blp-j2l-yma/join">https://cislab.scottsdalecc.edu/rooms/5tr-blp-j2l-yma/join</a>
BBB Lab Access Code	kxbaxj (enter this code to access the lab session above)

## Course Format

The course format for this course is ONLINE. All classwork can be completed entirely online.

Optional In-Person lab hours will be held on Tuesdays, 5:30-7:00 PM in CM 444. You are not required to attend. I will stream the lab sessions via BigBlueButton (see link above), as well as record those sessions, to the extent practicable. As with any technology, we may encounter issues with recordings, so I would not recommend relying on their availability if you need assistance from me.

The purpose of the lab is to support your learning and provide technical assistance as needed. I may present supporting content during these sessions or do live coding demos to show how to solve various tasks and problems related to your programming assignments.

## Instructor Information

Instructor: Brandon Andersen  
Email: [brandon.andersen@scottsdalecc.edu](mailto:brandon.andersen@scottsdalecc.edu)  
Phone: N/A (Please email me and we can schedule a call or video chat)  
Office Location: N/A  
Office Hours: By appointment (email via Canvas Inbox)

## Course Description

Introduction to Python programming. Includes general concepts, program design, development, data types, operators, expressions, flow control, functions, classes, input and output operations, debugging, structured programming, and object-oriented programming.

## Prerequisites

A grade of C or better in CIS 105 or permission of instructor.

## Course Competencies

1. Explain the development of Python applications. (I)
2. Explain the control structures in Python. (II)
3. Utilize basic data structures in Python. (III, IV)
4. Utilize string and character manipulation in Python. (V)
5. Utilize object-oriented programming concepts in Python. (VI)
6. Utilize Python to load, save and manipulate persistent data. (VII)
7. Identify and debug common mistakes in programs written in Python. (VIII, IX)

## Texts and Course Materials

Required Text *Murach's Python Programming, 2nd Edition*  
ISBN 9781943872749  
Publisher Mike Murach & Associates, Inc.  
Year Published 2021

## Required Software

Python Programming Language (<https://www.python.org/>) - required

Visual Studio Code (<https://code.visualstudio.com/>) - recommended

Note: We will cover installation and set up during the first week.

## Course Technologies

View the [Accessibility Statements & Privacy Policies](#) of technologies used in this course.

### Maricopa Systems

This course uses key Maricopa systems for course management and communication.

- Canvas Learning Management System
- Student Maricopa Gmail Account
- Maricopa Open Educational Resource Learning System (MOER)

### Synchronous Communication Tools

This course implements the use of web conferencing and/or other synchronous course tools.

- BigBlueButton

### Streaming Media/Audio/Video Tools

This course uses webcasting, lecture capture systems, YouTube, and/or other streaming media services.

- Vimeo
- YouTube

### Student Assignment Tools

This course requires students to participate in or submit assignments using desktop or cloud-based applications.

- Google Products
- Microsoft Office 365

# Course Policies

The following are policies specific to this course. Students are also responsible for the college policies included on the [Student Regulations](#) page of the Maricopa Community College District website.

- All the information for this class is available through Canvas.
- This is NOT a self-paced, open-entry course.
- To complete this course, you will need access to a reliable, a working computer (with webcam, speakers, and microphone), your Maricopa Gmail account, your Canvas account, and Microsoft Office 365.
- All assignments MUST be submitted by the published DUE DATES.
- You MUST complete this class by the end date of May 9, 2025.

## Generative Artificial Intelligence (AI) Policy

### Opening Statement Regarding Generative Artificial Intelligence (AI)

The World Economic Forum defines generative AI as “a category of artificial intelligence (AI) algorithms that generate new outputs based on the data they have been trained on. Unlike traditional AI systems that are designed to recognize patterns and make predictions, generative AI creates new content in the form of images, text, audio, and more.”

Some examples of generative AI tools include but are not limited to: ChatGPT, Google Gemini, Microsoft Copilot, Stable Diffusion, GrammarlyGo, and Adobe Firefly.

### No Generative Artificial Intelligence (AI) Allowed

In this class, all work submitted must be your own. The use of generative AI tools will be considered academic misconduct (see Administrative Regulation 2.3.11 1.B(b)) and will be treated as such. If you are unsure if the tool or website you are using is a generative AI tool, please contact the instructor for further clarification before using the tool or website.

# Grading Standards & Practices

## Grade Scale

Letter Grade	Points Range
A	90.0 – 100%
B	80.0 – 89.9%
C	70.0 – 79.9%
D	60.0 – 69.9%
F	0.0 – 59.9%

## Assignments

Assignment Type	Percent of Grade
Quizzes and Assignments	65%
Discussions	15%
Final Project	20%
<b>TOTAL:</b>	<b>100%</b>

## Quizzes, Assignments, and Discussions

- This course is divided into Modules with assignments, graded discussions, and quizzes designed to sharpen your knowledge of course content and to prepare you to complete the Final Project. **Allow AT LEAST 8-10 hours for Module work per week.**
- To receive full credit on your submitted work products, you must meet ALL the assignment objectives AND your work must be professional (i.e., no typos, no spelling errors, no grammatical errors, etc.).
- It is your responsibility to **regularly check (at least 3 times per week)** your Canvas Module list and Announcements page and your Maricopa Gmail account, and complete assigned work per the assignment directions.
- You are **REQUIRED** to electronically submit an assignment (quiz, programming assignment, etc.) **by 11:59 PM on the specified due date.** Late assignments will NOT be accepted. There is a 2-hour grace period after 11:59 PM to allow students to submit work late with no penalty. After this time, no late work will be accepted.

- Computer/technical issues will NOT be tolerated as an excuse for an instructor to accept late work. Students should have access to the technology needed to complete assignments and to finish homework on time.
- In lieu of a Final Exam, in this course you will complete a **Final Project**. The project details will be provided by the instructor. You must complete the Final Project to pass this course.

## Student/Instructor Interaction

In this course, you can expect regular and substantive interaction (RSI) that aligns with Scottsdale Community College's mission to provide challenging and supportive learning experiences and the US Department of Education's requirement for regular and substantive interaction (RSI) for online courses. My commitment to your success includes the following:

- Being available during regularly scheduled student support hours as stated in the syllabus.
- Sharing weekly information about the course materials, including key information, explanations, examples, and resources via in-person, recorded, and/or text-based lectures.
- Engaging in weekly discussions about course content within discussion boards in Canvas or other discussion-based tools.
- Providing group or individual feedback regularly on assignments.
- Promptly responding to student questions about the course sent via email the Canvas inbox.
- Regularly posting announcements about the course content and activities.
- Monitoring your academic progress and communicating concerns, as needed.

## Response Time

Students can expect a response time of 24 to 48 hours for the instructor to respond to messages sent via the Canvas Learning Management System or email. Students can expect assignments to be graded within 5 days of the assignment's due date.

## Academic Conduct and Honesty

In addition to the general college Academic Honesty policy stated in the CANVAS course under the Course and College Policies section, the following additional policies apply to his course.

The highest standards of academic integrity are expected of all students. The failure of any student to meet these standards may result in suspension or expulsion from the College or other sanctions as specified in the Scottsdale Community College Academic Integrity Policy. Violations of academic integrity include, but are not limited to, cheating, fabrication, tampering, plagiarism or facilitating such activities. Specific examples of academic misconduct relating to this course include:

- Copying another student's work and submitting it as one's own.
- Submitting another student's file as your own.
- Working jointly on an assignment, with each student turning in a copy of the joint product, creating the impression that each student completed the work independently.

## **Attendance Policy**

- As mentioned above, the Optional In-Person lab hours are NOT mandatory.
- Consistent participation is required in this course. Because you have chosen to “attend” this course in an online environment, you must be motivated, self-disciplined, and eager to participate. To realize the full benefits of this course, you should adhere to the schedule for course assignments.
- If you fail to contact me (via e-mail) or fail to submit an assignment within 3 days after the course start date, you may be withdrawn from this class.
- If you fail to submit an assignment for more than 14 days, you may be withdrawn from this class.
- The official date of withdrawal is the last date of attendance as determined by the student's withdrawal or as reported by the instructor. The official date of withdrawal will determine the degree of refund, if any. See Refund Policy in the [College Catalog](#).

## **Instructional Contact Hours (Seat Time)**

This is a three (3) credit-hour course. Plan to spend at least three hours on course content or seat time (direct instruction) and six hours on homework weekly. Accelerated courses will require additional time per week.

## CIS Study Lab

We urge CIS students to utilize the CIS Study Lab. This lab is used for hands-on class work and is staffed with CIS instructors. Any SCC student currently enrolled in a CIS course may use this lab. A detailed lab schedule with instructor-assigned times and locations is posted in your CANVAS course.

For Spring 2025, the CIS Study Lab will host both in-person and virtual tutoring hours. Please check the current schedule for times and locations.

## Online Tutoring

SCC's tutors are available online to help with your courses. You may work with an SCC tutor remotely using Google Meet, your phone, or email. Visit the [Tutoring & Learning Centers](#) page for detailed information on the five learning center's hours and procedures.

As much as possible, it is highly recommended that you utilize SCC tutors since they are more familiar with SCC coursework, instructor expectations, and assignments; however, if you need to work with a tutor outside regular hours, online and hybrid students now have access to a 24/7 online tutoring service called Brainfuse. Brainfuse provides online tutoring in a variety of academic subjects. Each student may utilize up to 6 hours of online tutoring through Brainfuse per semester, and has the option of requesting additional time if needed.

To access Brainfuse and begin working with a tutor:

1. Visit the [SCC Online Tutoring Services Through Brainfuse](https://www.scottsdalecc.edu/students/tutoring/online-tutoring) page (https://www.scottsdalecc.edu/students/tutoring/online-tutoring)
2. Click the **Visit a tutor online** button
3. Enter your MEID and password
4. Choose your topic and subject
5. Click the **Connect** button

Please use your time effectively and be prepared with your questions before you connect to a tutor. Tutors and students communicate in real-time so whatever you type, draw, or share on the screen, the tutor sees, and vice versa. You may also want to have screenshots ready if applicable. All Brainfuse sessions are recorded for review later.



## Learning Tools and Your Privacy and Security

SCC utilizes a variety of software applications and web-based tools operated by third party vendors to support student learning. To allow student access to the application, site or tool, certain identifiable information may be required to establish a user name or password, and submit work and/or download information from these tools. Inherent with all internet-based tools, there is a risk that individuals assume when electing to use these tools, as they may place information at risk of disclosure.

To use learning tools responsibly, please observe all laws and the Maricopa Community College District [Student Conduct Code](#), such as copyright infringement, plagiarism, harassment or interference with the underlying technical code of the software. As a student using a learning tool, you have certain rights. Any original work that you produce belongs to you as a matter of copyright law. You also have a right to the privacy of your educational records. Your contributions to learning tools constitute an educational record. By using the tool, and not taking other options available to you in this course equivalent to this assignment that would not be posted publicly on the internet, you consent to the collaborative use of this material as well as to the disclosure of it in this course and potentially for the use of future courses.

Students are responsible for the information contained in this syllabus, the Syllabus page in your Canvas course and the **College Policies & Student Services** page found in the First Steps module of your Canvas course. Students will be notified by the instructor of any changes in course requirements or policies.