

MONTGOMERY COLLEGE
Rockville Campus
Engineering, Physical and Computer Sciences Department
CMSC140 Intro to Programming

Instructor Information

Name:
Mailbox:
Email:
Office Hours:

Office Location:
Office Phone:

Course Information

Semester:
Class starts:
Class Meetings:
Midterm Exam:

Course CRN:
Class ends:
Classroom:
Final Exam:

Check MyMC class schedule for your Specific Deadline to Drop without a grade W or to change from audit to credit or from credit to audit

Check MyMC class schedule for your Specific Refund Deadlines

Course Description

Introduces programming and problem solving using a contemporary programming language. Topics include principles of procedural programming, software development and debugging techniques, control structures, data types, functions, one-dimensional arrays, and file processing. Using a computer, students complete required lab assignments.

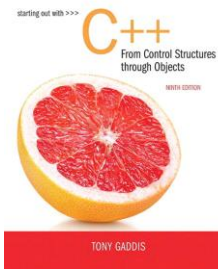
Assessment Level(s): ENGL 101/ENGL 101A, MATH 050, READ 120. *Three hours each week. Formerly CS 140.*

3 semester hours

Course Outcomes

#	Upon completion of the course, the student will be able to:
1.	Demonstrate the ability to design, write, test, and debug computer programs using procedural techniques
2.	Demonstrate the basic syntax and expressions of the programming language in use.
3.	Select and apply the appropriate control structure.
4.	Implement top down design techniques and subprogramming.
5.	Declare and process one-dimensional arrays, including implementation of algorithms for searching and sorting arrays
6.	Use simple file input and output operations

Course Materials



Textbook: Starting OUT with C++: from control structures through objects, Tony Gaddis, 9th Edition

MyProgrammingLab:

<http://www.myprogramminglab.com>

Textbook and other materials may be purchased through the bookstore

To register for MyProgrammingLab, you will need:

- A MyProgrammingLab Student Access Code. Student Access Code purchase options include:



- New textbooks can be packaged with a Student Access Code.
- You can order access codes in a package (book + access code)
- Stand-alone Student Access Codes can be purchased from your bookstore.
- Purchase access online here
<http://www.pearsonmylabandmastering.com/northamerica/myprogramminglab/students/get-registered/index.html>
- A Course Title: CMS140 Intro to C++
- A Course ID: xxxxxxxx
- A valid email address
- Your school's ZIP code

How to register for MyProgrammingLab

- Go to www.myprogramminglab.com and click **Student**.
- Choose your registration method (redeem your Student Access Code, or purchase access online).
- Read and accept the License Agreement and Privacy Policy.
- Follow the on-screen instructions to complete your registration.
- Click the **Log in Now** link to enroll in your course.
- Verify your information is correct, and click Next.
- Type in your Course ID: **XXXXXXXX** and select Next.
- Verify that your information is correct and click Next.

Grade Basis

Final Examination	30%
Midterm Examination	20%
Quizzes on Reading Assignments	10%
Assignments in MyProgrammingLab	10%
Programming Projects	20%
Homework/Discussions/Academic Plan	10%
Total:	100%

Grading Scale:

90 - 100%	A
80 - 89%	B
70 - 79%	C
60 - 69%	D
Below 60%	F

General Class Policies

- ❖ You are responsible for all work missed, and for meeting assignment due dates when absent. Please call or email your instructor if you are going to be late or absent.
- ❖ You are strongly encouraged to contact your instructor at home by phone or e-mail if you are having difficulties, or have any questions about assignments.
- ❖ Please include your name and the course information in the submitted assignments.
- ❖ Incomplete assignments receive no more than 50% of the grade.
- ❖ Assignments are considered incomplete, if they do not compile, they do not contain reasonable comments.
- ❖ There is always a means to submit your assignments on time. Be creative, be persistent, and keep your instructor informed!
- ❖ All assignments (Tests, Quizzes, Assignments, Projects, and Discussions) must be turned in on or before the due dates to receive full credits.
- ❖ Missed Tests, Quizzes, Assignments, and Discussions: NO MAKEUPS without a doctor's excuse. If the Final Exam is not taken, the student will receive a grade of F for the course.

Course Topics

Topics
Chapter1 An introduction to Computers and Programming
Chapter2 Introduction to C++
Chapter3 Expressions and Interactivity
Chapter4 Making Decisions
Midterm Exam
Chapter5 Loops and Files
Chapter6 Functions
Chapter7 Arrays
Chapter8 Searching and sorting Arrays
Final Exam