

Geographic Information Systems

-Certificate of Completion in Geographic Information Systems



Where can this program take me?

The Certificate of Completion (CCL) in Geographic Information Systems (GIS) program provides a core curriculum based on a solid foundation in GIS concepts, as opposed to training in GIS software only. This program equips students with fundamental GIS concepts and skills that can be applied in a variety of public and private work environments where spatial data analysis is required.

For more information on this and other career and technical programs, please see the MCC catalog.

What are the requirements of this program?

Certificate of Completion in Geographic Information Systems (22-24 credits)

Program Notes

+ indicates course has prerequisites and/or corequisites.

Students must earn a grade of "C" or better for all courses within the program.

Program is designed for students with varying skills consult with program director.

Program Prerequisites

Track I:

None

Track II:

MAT120 OR MAT121 OR MAT122 OR equivalent or District placement exam

Track III:

MAT150 OR MAT151 OR MAT152 OR MAT182 OR MAT187 OR equivalent or District placement exam

Required Courses (22-24 credits)

GPH219 Introduction to GIS Using ArcGIS	3
GPH220 Intermediate GIS Using ArcGIS	3
GPH270 Introduction to Cartography and Geospatial Technologies	3

+GPH282AA Volunteerism for Physical Geography: A Service-Learning Experience 1 AND
Students will select one of three tracks:

Track I - User/Analyst (12-13 credits)

CIS105 Survey of Computer Information Systems	3
CIS117DM Microsoft Access: Database Management	3
+CIS159 Visual Basic Programming I (recommended) (3) OR DFT110 Technical Drafting I (3)	3
GPH111 Introduction to Physical Geography (4) OR +GPH273 Advanced GIS Using ArcGIS (recommended) (3) OR GPH298AC Special Projects (3)	3-4

Track II - Beginning Programming (12-13 credits)

CIS117DM Microsoft Access: Database Management (recommended) (3) OR DFT110 Technical Drafting I (3)	3
+CSC110 Introduction to Computer Science for Majors (recommended) (3) OR CSC181 Applied Problem Solving with Visual BASIC (recommended) (3) OR +CSC281 Advanced Programming in Visual Basic (3)	6
GPH111 Introduction to Physical Geography (4) OR +GPH273 Advanced GIS Using ArcGIS (recommended) (3) OR GPH298AC Special Projects (3)	3-4

Track III - BA/BS Track (14 credits)

+CSC110 Introduction to Computer Science for Majors	3
CSC181 Applied Problem Solving with Visual BASIC	3
+CSC200 Principles of Computer Science (Java)	3
+MAT220 Analytic Geometry and Calculus I	5



It's easy to get started at MCC ...



Step 1: Complete a Student Information Form (application).

There are three ways you can do this:

- You can fill out a paper form and take it to the Admissions Office at MCC at Southern and Dobson or to Enrollment Services at MCC at Red Mountain
- You can complete the form online at www.mc.maricopa.edu/services/student_services/
- You can call MCC's phone center at 480-461-7700 and provide the information by phone.

Step 2: Take placement tests to help you choose the right courses.

You need to take placement tests if you plan to enroll in English, math, reading, or English as a Second Language (ESL) classes.

There is no cost for testing, and you don't have to make an appointment.

- You can take a complete set of placement tests at MCC at Southern and Dobson at the following times:
Mon & Thurs: 8:00 or 11:00 am, 2:00 or 5:30 pm
Friday 8:00 or 11:00 am, 2:00 pm
- If you need to take only one or two tests, you can do so on a walk-in basis at any time.
- You can take placement tests at MCC at Red Mountain on a walk-in basis
Monday - Thursday from 8:00 am - 8:00 pm.
For additional information, call 480-461-7336 or visit www.mc.maricopa.edu/services/testing/.

Step 3: Meet with an academic advisor.

You can see an academic advisor on a walk-in basis at both MCC campuses. Bring a copy of transcripts or grade reports if you have attended a university or a college outside the Maricopa County Community College District. Some courses require an advisor's signature before you can register. For more information, call 480-461-7222 or 480-654-7606 or visit www.mc.maricopa.edu/services/advisement/.

Step 4: Register for your classes.

Choose the way that is most convenient for you:

- Take your signed advisement/registration form to the Records Office at MCC at Southern and Dobson or to Enrollment Services at MCC at Red Mountain, or
- Register by phone at 480-461-7700. Be sure you meet the prerequisites for courses you want to register for by phone, or
- You can register online for courses that don't have prerequisites and for open-entry/self-paced and non-credit courses. Visit www.mc.maricopa.edu/services/student_services/.

Step 5: Pay your tuition and fees.

You can pay your tuition and fees in person at the Cashier's Office at either MCC at Southern and Dobson or MCC at Red Mountain. You can also leave your tuition in the specially marked dropbox on either campus, or pay by phone with your Visa, MasterCard, Discover Card, or American Express by calling 480-461-7700. Make sure to pay your tuition and fees before the billing date on your invoice to keep your place in the classes you've registered for.

Best wishes for your success at MCC!

For more information, contact:

Mesa Community College
MCC at Southern and Dobson
1833 W. Southern Avenue
Mesa, Arizona 85202
480-461-7700
www.mc.maricopa.edu

MCC at Red Mountain
7110 E. McKellips Road
Mesa, Arizona 85207
480-654-7200
www.mc.maricopa.edu/other/redmountain

All students are urged to meet with an academic advisor regarding selection of courses. For the most current course requirements visit www.maricopa.edu/academic/curric/newsresindx.php. For graduation requirements visit www.dist.maricopa.edu/academic/curric.

