About This Emphasis . . .

Computer science is the study of algorithms and the issues involved in implementing them. The Computer Science Associate Degree includes courses in web page design, programming languages, data structures and computer architecture. The degree prepares students to complete a BS in Computer Science, which is strongly recommended. Some employment opportunities open to the successful graduate in the associates program are web development, computer operator or technical support positions.

POLICIES:

1. It is your responsibility to determine whether you have met the requirements for your degree. Please see the MSC Catalog for a complete list of graduation requirements.
2. You must turn in your "Intent to Graduate" form to the Registrar's Office **by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December**.
3. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates.**
4. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature.
5. Finally, the Department Head or the department administrative assistant will take the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
6. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.
7. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).

NAME: _____   **STUDENT ID #** _____

LOCAL ADDRESS AND PHONE NUMBER: _____

_____ ( ) _____

I, (Signature)_____, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

_____   _____20____
Signature of Advisor   Date

_____   _____20____
Signature of Department Head   Date

_____   _____20____
Signature of Registrar   Date

Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration.

Degree Requirements:
- 60 semester hours are required for the Associate of Science degree. Must meet the academic residency requirements.
- 2.50 cumulative GPA or higher in all MSC coursework and for all courses within the Computer Science area of emphasis.
- A grade of "C" or higher must be earned in all general education courses in order to be accepted for the transfer under the Core Transfer Agreements.
- Program sheets are for advising purposes only. Because a program may have requirements specific to the degree, check with your advisor for additional guidelines, including prerequisites, grade point averages, grades, exit examinations, and other expectations. It is the student's responsibility to be aware of, and follow, all guidelines for the degree being pursued. Any exceptions or substitutions must be approved by the faculty advisor and/or Department Head.
- When filling out the program sheet a course can be used only once.
- See the "Undergraduate Graduation Requirements" in the Mesa State College catalog for additional graduation information.

GENERAL EDUCATION REQUIREMENTS (31 Semester Hours)
See the current Mesa State College catalog for a list of courses that fulfill the requirements below. If a course is on the general education list of options and a requirement for your major, <u>you must use it to fulfill the major requirement</u> and make a different selection within the general education requirement.

Course No Title   Sem.hrs Grade Term/Trns

English (6 semester hours, must receive a grade of "C" or better and must be completed by the time the student has 60 semester hours.)
ENGL 111 English Composition   3   _____ _____
ENGL 112 English Composition   3   _____ _____
(ENGL 129, Honors English, may be substituted for ENGL 111 & ENGL 112.

Math: (3 semester hours, must receive a grade of "C" or better, must be completed by the time the student has 60 semester hours.)
MATH 119   Precalculus Mathematics   5*   _____ _____
*3 credits apply to the General Ed requirements and 2 credits apply to elective credit

Humanities (3 semester hours)
_____ ____ _____ ____ _____ _____

Social and Behavioral Sciences (6 semester hours)
_____ ____ _____ ____ _____ _____
_____ ____ _____ ____ _____ _____

Course No Title   Sem.hrs Grade Term/Trns

Natural Sciences (7 semester hours, one course must include a lab)
_____ ____ _____ ____ _____ _____
_____ ____ _____ ____ _____ _____
_____ ___L _____ ____ _____ _____

History (3 semester hours)
HIST ____ _____   3   _____ _____

Fine Arts (3 semester hours)
_____ ____ _____ ____ _____ _____
_____ ____ _____ ____ _____ _____

OTHER LOWER DIVISION REQUIRMENTS

Kinesiology (2 semester hours)
KINE 100   Health and Wellness   1   _____ _____
KINA 1____ _____   1   _____ _____

Applied Studies (3 semester hours)
_____ ____ _____ ____ _____ _____

COMPUTER SCIENCE EMPHASIS REQUIREMENTS
(17-22 semester hours)

Core Class
MATH 151*   Calculus I   5   _____ _____
CSCI 111   Computer Science I   4   _____ _____
CSCI 112   Computer Science II   4   _____ _____
CSCI 206   Web Page Design II   3   _____ _____
CSCI 241   Computer Architecture   3   _____ _____
CSCI 250   Data Structures   3   _____ _____
*If MATH 151 is used to satisfy the Mathematics General Education Requirement, only 17 semester hours are required for the emphasis.

Electives (3-8 Semester Hours) Any college level undergraduate courses excluding KINA/HPWE.
*MATH 119 Precalculus Mathematics   2   _____ _____
_____ ____ _____ ____ _____ _____
_____ ____ _____ ____ _____ _____
_____ ____ _____ ____ _____ _____
MATH 152 is recommended, particularly for those students who are considering going on to the Bachelor of Science in Computer Science degree.

SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF SCIENCE WITH A MAJOR IN LIBERAL ARTS - EMPHASIS IN COMPUTER SCIENCE

This is a recommended sequence of course work. Certain courses may have prerequisites or are only offered during the Fall or Spring semesters. It is the student's responsibility to meet with their advisor and check the 2 year course matrix on the Mesa State website for course availability.

FRESHMAN YEAR

Fall Semester		Hours
ENGL 111	English Composition	3
MATH 151	Calculus I	5
CSCI 111	Computer Science I	4
General Education Social/Behavioral Science		3
KINE 100	Health and Wellness	1
		16

Spring Semester		Hours
ENGL 112	English Composition	3
Computer Science/Math Elective		4
CSCI 112	Computer Science II	4
General Education Social/Behavioral Science		3
		14

SOPHOMORE YEAR

Fall Semester		Hours
General Education History		3
CSCI 250	Data Structures	3
General Education Physical Science		4
General Education History		3
KINA	Activity	1
		14

Spring Semester		Hours
CSCI 206	Web Page Design II	3
CSCI 241	Computer Architecture	3
General Education Physical Science		4
General Education Humanities		3
Elective		3
		16