# 2013-2014 PETITION/PROGRAM SHEET
## Degree: Associate of Science
## Major: Liberal Arts
## Emphasis: Computer Science

**About This Emphasis . . .**

Computer science is the study of algorithms and the issues involved in implementing them. The Computer Science Associates Degree includes courses in web page design, various programming languages, data structures and computer architecture. While the degree prepares students to complete a BS in Computer Science (which is strongly recommended), employment opportunities are open to the successful graduate, including positions such as web development, computer operators, and/or technical support positions.

For more information on what you can do with this major, go to http://www.coloradomesa.edu/career/whatmajor.html and/or http://www.coloradomesa.edu/cs .

POLICIES:
1. It is your responsibility to determine whether you have met the requirements for your degree. Please see the 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 total ( A minimum of 16 taken at CMU in no fewer than two semesters)
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- 2.50 cumulative GPA or higher in all CMU coursework and in coursework toward major content area.
- 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.
- A student must follow the CMU graduation requirements either from 1) the program sheet for the major in effect at the time the student officially declares a major; or 2) a program sheet for the major approved for a year subsequent to the year during which the student officially declares the major and is approved for the student by the department head. Because a program may have requirements specific to the degree, the student should check with the faculty advisor for additional criteria. It is the student's responsibility to be aware of, and follow, all requirements for the degree being pursued. Any exceptions or substitutions must be approved by the student's faculty advisor and Department Head.
- When filling out the program sheet a course can be used only once.
- See the "Undergraduate Graduation Requirements" in the catalog for additional graduation information.

**GENERAL EDUCATION REQUIREMENTS** (31 semester hours)
See the current 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, you must use it to fulfill the major requirement 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.)

| Course No | Title | Sem.hrs | Grade | Term/Trns |
|---|---|---|---|---|
| ENGL 111 | English Composition | 3 | _____ | _____ |
| ENGL 112 | English Composition | 3 | _____ | _____ |

**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 113 | College Algebra | 4* | _____ | _____ |
|---|---|---|---|---|

*3 credits apply to the General Ed requirements and 1 credit 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** (5 semester hours)

**Kinesiology** (2 semester hours)

| KINE 100 | Health and Wellness | 1 | _____ | _____ |
|---|---|---|---|---|
| KINA 1____ | _____ | 1 | _____ | _____ |

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

**COMPUTER SCIENCE EMPHASIS REQUIREMENTS**
( 21 semester hours)

**Core Class**

| CSCI 111 | CS1: Foundations of Computer Science | 4 | _____ | _____ |
|---|---|---|---|---|
| CSCI 112 | CS2: Data Structures | 4 | _____ | _____ |
| CSCI 206 | Web Page Design II | 3 | _____ | _____ |
| CSCI 241 | Computer Architecture & Assembly Language | 4 | _____ | _____ |
| CSCI 250 | CS3: Intro to Algorithms | 3 | _____ | _____ |

3 Hrs from the following:

| CISB 205 | Advanced Business Software | 3 | _____ | _____ |
|---|---|---|---|---|
| CSCI 310 | Advanced Programming: () | 3** | _____ | _____ |
| CSCI 130 | Intro to Engineering CS | 3 | _____ | _____ |

**CSCI 310 is offered for various current languages for 1-3 credit hours. Students may take any mix of classes to reach a total minimum of 3 hrs but no language may be counted more than once.

**Electives** (3 Semester Hours) Any college level undergraduate courses.

| *MATH 113 | College Algebra | 1 | _____ | _____ |
|---|---|---|---|---|

_____ ____ _____ ____ _____ _____
_____ ____ _____ ____ _____ _____
_____ ____ _____ ____ _____ _____

MATH 119 Precalculus, MATH 151 Calculus I, and/or MATH 152 Calculus II are strongly 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 the assigned advisor and check the 2 year course matrix on the Colorado Mesa website for course availability.

## FRESHMAN YEAR

| Fall Semester | | Hours |
|---|---|---|
| ENGL 111 | English Composition | 3 |
| MATH 113 | College Algebra | 4 |
| CSCI 111 | CS1: Foundations of Computer Science | 4 |
| General Education Social/Behavioral Science | | 3 |
| KINE 100 | Health and Wellness | 1 |
| | | 15 |

| Spring Semester | | Hours |
|---|---|---|
| ENGL 112 | English Composition | 3 |
| Computer Science Choice | | 3 |
| CSCI 112 | CS2: Data Structures | 4 |
| General Education – Fine Arts | | 3 |
| General Education Social/Behavioral Science | | 3 |
| | | 16 |

## SOPHOMORE YEAR

| Fall Semester | | Hours |
|---|---|---|
| General Education History | | 3 |
| CSCI 250 | CS3: Intro to Algorithms | 3 |
| General Education Physical Science | | 4 |
| Applied Studies | | 3 |
| KINA | Activity | 1 |
| | | 14 |

| Spring Semester | | Hours |
|---|---|---|
| CSCI 206 | Web Page Design II | 3 |
| CSCI 241 | Computer Architecture & Assembly Language | 4 |
| General Education Physical Science | | 3 |
| General Education Humanities | | 3 |
| Elective | | 2 |
| | | 15 |