**COLORADO MESA**
**U N I V E R S I T Y**

## 2016-2017 PETITION/PROGRAM SHEET
### Degree: Bachelor of Applied Science
### Major: Computer Information Systems

**About This Major . . .**

The Bachelor of Applied Science in Computer Information Systems combines the technical skills and business proficiency necessary for success in today's business world.  A unique program, the BAS allows students who have already earned an associate of applied science degree to build upon their technical specialties with Essential Learning courses and junior and senior level computer information systems courses. This allows associate degree holders to gain a 4-year degree in approximately four additional full-time semesters, depending upon prior coursework.

Computer Information Systems courses to be taken include coursework  in project management, systems analysis and design, database administration, networking, electronic commerce, productivity tools, decision support, systems development and implementation including programming and information systems theory.  BAS students will be technically and academically prepared for leadership positions within the information technology functional areas in their chosen industries.

Prospective students not holding an associate of applied science degree can begin their college career at CMU in a chosen field of study with a 2-year degree and then progress to a 4-year degree using the BAS.  This degree will provide students upward mobility in their area of employment as they move into supervision/management positions.

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

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Integrate knowledge from multiple functional areas of business to solve business problems and to develop sound business strategies. (Specialized Knowledge)
2. Apply business knowledge and skills in appropriate business contexts and transfer knowledge and skills to new business situations. (Critical Thinking)
3. Communicate clearly, appropriately, and persuasively to the business audience, both orally and in writing, including individual presentations. (Communication Fluency)
4. Analyze business data critically, reason logically, and apply quantitative analysis methods correctly to develop appropriate business conclusions. (Quantitative Fluency)
5. Effectively work as a team.  (Applied Learning)
6. Strategically apply information across functional areas of business. (Applied Learning)
7. Produce professional business work products.  (Applied Learning)
8. Practice principle-based ethics in decision making both personally and professionally.  (Applied Learning)
9. Identify, formulate, and correctly solve information systems problems. (Specialized Knowledge)

**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 have read and understand the policies listed on the last page of this 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

## DEGREE REQUIREMENTS:

- As an entrance requirement, a student must have a proficiency in advanced computer literacy, which is defined as having taken CISB 101 (or equivalent); and CISB 260 or TECI 260 (or equivalent).
- 120 semester hours total (Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher).
- 33 upper division credits (A minimum of 15 taken at the 300-400 course levels within the major at CMU).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A grade of "C" or higher in each course in the major
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- 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.
- Essential Learning Capstone should be completed between 45 and 75 hours.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for additional graduation information.

## ESSENTIAL LEARNING REQUIREMENTS (31 semester hours)
See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning 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.)

| Course No | Title | Sem.hrs | Grade | Term/Trns |
|---|---|---|---|---|
| MATH 113 | College Algebra | 4* | _____ | _____ |

*3 credits apply to the Essential Learning requirements and 1 credit applies to elective credit

**Humanities** (3 semester hours)

_____ ____ _____ ____ _____ _____

**Social and Behavioral Sciences** (6 semester hours)

| Course No | Title | Sem.hrs | Grade | Term/Trns |
|---|---|---|---|---|
| ECON 201 | Principles of Macroeconomics | 3 | _____ | _____ |
| ECON 202 | Principles of Microeconomics | 3 | _____ | _____ |

**Fine Arts** (3 semester hours)

_____ ____ _____ ____ _____ _____

**Natural Sciences** (7 semester hours, one course must include a lab)

_____ ____ _____ ____ _____ _____
_____ ____ _____ ____ _____ _____
_____ ___L _____ ____ _____ _____

**History** (3 semester hours)

HIST ____ _____ ____ _____ _____

| Course No Title | Sem.hrs | Grade | Term/Trns |
|---|---|---|---|

### WELLNESS REQUIREMENT (2 semester hours)

| Course No | Title | Sem.hrs | Grade | Term/Trns |
|---|---|---|---|---|
| KINE 100 | Health and Wellness | 1 | _____ | _____ |
| KINA 1____ | _____ | 1 | _____ | _____ |

### ESSENTIAL LEARNING CAPSTONE (4 semester hours)

| Course No | Title | Sem.hrs | Grade | Term/Trns |
|---|---|---|---|---|
| ESSL 290 | Maverick Milestone (see English & math pre-reqs) | 3 | _____ | _____ |
| ESSL 200 | Essential Speech (co-requisite) | 1 | _____ | _____ |

### B.A.S. COMPUTER INFORMATION SYSTEMS MAJOR REQUIREMENTS (75 semester hours)

**Required Computer Information Systems Courses** (39 semester hours) Must receive a grade of C or better.

| Course No | Title | Sem.hrs | Grade | Term/Trns |
|---|---|---|---|---|
| CISB 241 | Intro to Business Analysis | | | |
| **OR** STAT 241 | Intro to Business Analysis | 3 | _____ | _____ |
| CISB 206 | Business Appl. Programming | | | |
| **OR** CSCI 111 | CS1: Foundations of Comp Sci | | | |
| **OR** | Object Oriented Programming Course approved by CIS advisor, specifically:_____ | 3 | _____ | _____ |
| CISB 205 | Advanced Business Software | 3 | _____ | _____ |
| CISB 210 | Fundamentals of Information Systems | 3 | _____ | _____ |
| CISB 310 | Enterprise Architecture | 3 | _____ | _____ |
| CISB 315 | IS Infrastructure | 3 | _____ | _____ |
| CISB 331 | Advanced Business Programming | 3 | _____ | _____ |
| CISB 410 | Project Management | 3 | _____ | _____ |
| CISB 442 | Systems Analysis and Design | 3 | _____ | _____ |
| CISB 451 | Database Administration | 3 | _____ | _____ |
| CISB 470 | Management of Information Systems | 3 | _____ | _____ |
| CISB 471 | Advanced Information Systems | 3 | _____ | _____ |
| MARK 350 | Marketing Research | | | |
| **OR** MANG 341 | Quantitative Decision Making | | | |
| **OR** CISB 341 | Quantitative Decision Making | 3 | _____ | _____ |

**Bachelor of Applied Science Core** (36 Semester Hours)
    Specific courses taken will be listed on the next page.

**Electives** (8 semester hours; 6 must be Upper Division.) All college level courses appearing on your final transcript, **not listed above** that will bring your total semester hours to 120 hours

| Course No | Title | Sem.hrs | Grade | Term/Trns |
|---|---|---|---|---|
| *MATH 113 | College Algebra | 1 | _____ | _____ |
| _____ ____ | _____ | ____ | _____ | _____ |
| _____ ____ | _____ | ____ | _____ | _____ |
| _____ ____ | _____ | ____ | _____ | _____ |

**Bachelor of Applied Science Core** (36 Semester Hours) 36 Semester Hours taken as part of a state approved Associate of Applied Science degree.*

| Course No | Title | Sem.hrs | Grade | Term/Trns |
|-----------|-------|---------|-------|-----------|
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |

| Course No | Title | Sem.hrs | Grade | Term/Trns |
|-----------|-------|---------|-------|-----------|
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |
| _____ | ____ | _____ | ____ | ____ | _____ |

*An Associate of Applied Science degree from an accredited institution is required.

Institution_____     Date Received_____

**Special requirements:**  To be admitted to the B.A.S. degree, an applicant must possess an A.A.S. degree from an accredited school in computer information systems, computer programming, electronic engineering technology, information technology, network technology, telecommunications, or related area such as computer aided design or graphics design.  Please see the Business department head for complete requirements and application form.  Requests for more than 6 hours of cooperative education internship must be approved by the advisor.  All degree requirements must be completed as described above.  Any exceptions or substitutions must be recommended in advance by the faculty advisor and approved by the Department Head.  Students are required to participate in exit examinations or other programs deemed necessary to comply with the university accountability requirement.

**POLICIES:**
1. Please see the catalog for a complete list of graduation requirements.
2. 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.**  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. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature.  Finally, the Department Head will submit the signed forms to the Registrar's Office.  (Students cannot handle the forms once the advisor signs.)
4. 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.
5. NOTE: During your senior year, you will be required to take a capstone exit assessment/project (e.g,, Major Field Achievement Test).