



2006 – 07 PETITION/PROGRAM SHEET
Degree: Bachelor of Science
Major: Computer Information Systems
www.mesastate.edu/schools/sbps/cis

About This Major . . .

The Bachelor of Science in Computer Information Systems is a degree in demand today as organizations face the challenges of technology management. This program provides graduates with basic business management skills and computer information expertise to manage computer systems in today’s organizations. Graduates of this program are employed in such occupations as systems analysts, analyst/programmers, database administrators, network administrators, web page designers and help desk specialists.

Graduates assist businesses with creating, obtaining, and maintaining computer information systems that solve problems and assist in facilitating routine business events. As businesses increasingly rely on technology to provide a competitive advantage, employees with an understanding of both business concepts and computer systems are required. Computer information systems studies require students to examine computer systems from organizational, social, psychological, and technical perspectives. Graduates from this program will have taken a variety of courses that were developed based on national guidelines for quality degrees in information systems.

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 will 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.

 Signature of Advisor _____ Date _____ 20____

 Signature of Department Head _____ Date _____ 20____

 Signature of Registrar _____ Date _____ 20____

- Must earn 120 semester hours and meet the academic residency requirements to earn a baccalaureate degree at Mesa State College.
- Must earn a minimum of 40 semester hours in upper division courses (i.e., 300-level and 400-level courses).
- A cumulative grade point average of 2.0 or higher must be maintained for all courses taken and for all courses in the major.
- When filling out this program sheet a course can only be used once, i.e., no double counting is allowed between categories.
- Excess KINA/HPWE courses beyond the two required and pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- All degree requirements must be completed as described. Any exceptions or substitutions must be recommended in advance by the faculty advisor and approved by the Department Head.
- It is recommended that students work closely with a faculty advisor when selecting courses and scheduling classes prior to registration.
- Students are required to participate in exit examinations or other programs deemed necessary to comply with the college accountability requirement.

General Education Requirements (Minimum of 33 semester hours) See the M.S.C. catalog for the list of courses that meet the general education categories.

| <u>Course</u> | <u>No.</u> | <u>Credit</u> | <u>Grade</u> | <u>Term</u> | <u>Year</u> | <u>Trns/Subs</u> | <u>Course</u> | <u>No.</u> | <u>Credit</u> | <u>Grade</u> | <u>Term</u> | <u>Year</u> | <u>Trns/Subs</u> |
|---|------------|---------------|--------------|-------------|-------------|------------------|---|------------|---------------|--------------|-------------|-------------|------------------|
| English: ENGL 111 and 112 (6 semester hours, must receive a "C" or higher, must be completed by the time the student has 60 semester hours) | | | | | | | Humanities or Social/Behavioral Science: (3 semester hours) | | | | | | |
| *ENGL | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| *ENGL | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| *ENGL 129, Honors English, may be substituted for ENGL 111 and ENGL 112. Must earn a grade of "C" or better. May need to take additional electives. | | | | | | | Fine Arts: (3 semester hours) | | | | | | |
| ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| Humanities: (6 semester hours) | | | | | | | Natural Sciences: (minimum 6 semester hours, at least one course must include a lab) | | | | | | |
| ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| Social and Behavioral Sciences: (6 semester hours) | | | | | | | Applied Studies: (3 semester hours) | | | | | | |
| ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ |
| ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ |

Other Requirements (9 semester hours)

| | | | | | | | | | | | | | |
|--|------------|---------------|--------------|-------------|-------------|------------------|---|------------|---------------|--------------|-------------|-------------|------------------|
| Kinesiology: (3 Semester Hours) | | | | | | | Bachelor of Science Degree Distinction: (6 semester hours) Must earn a "C" or better in both courses. | | | | | | |
| <u>Course</u> | <u>No.</u> | <u>Credit</u> | <u>Grade</u> | <u>Term</u> | <u>Year</u> | <u>Trns/Subs</u> | <u>Course</u> | <u>No.</u> | <u>Credit</u> | <u>Grade</u> | <u>Term</u> | <u>Year</u> | <u>Trns/Subs</u> |
| KINE/HPWA | 100 | 1 | ___ | ___ | ___ | ___ | MATH* | 121 | 3 | ___ | ___ | ___ | ___ |
| KINA/HPWE | ___ | 1 | ___ | ___ | ___ | ___ | STAT | 200 | 3 | ___ | ___ | ___ | ___ |
| KINA/HPWE | ___ | 1 | ___ | ___ | ___ | ___ | *Math 121 or higher level math as approved by advisor | | | | | | |
| See the M.S.C. catalog for the list of approved KINA/HPWE/Selected DANC courses. | | | | | | | | | | | | | |

Major Requirements (60 Semester Hours)

| Computer Information Systems Core (33 semester hours) | | | | | | | | | | | | | |
|--|------------|---------------|--------------|-------------|-------------|------------------|---------------|------------|---------------|--------------|-------------|-------------|------------------|
| <u>Course</u> | <u>No.</u> | <u>Credit</u> | <u>Grade</u> | <u>Term</u> | <u>Year</u> | <u>Trns/Subs</u> | <u>Course</u> | <u>No.</u> | <u>Credit</u> | <u>Grade</u> | <u>Term</u> | <u>Year</u> | <u>Trns/Subs</u> |
| CISB | 205 | 3 | ___ | ___ | ___ | ___ | CISB | 451 | 3 | ___ | ___ | ___ | ___ |
| CISB | 210 | 3 | ___ | ___ | ___ | ___ | CISB | 460 | 3 | ___ | ___ | ___ | ___ |
| CISB | 331 | 3 | ___ | ___ | ___ | ___ | CISB | 471 | 3 | ___ | ___ | ___ | ___ |
| CISB | 392 | 3 | ___ | ___ | ___ | ___ | CSCI | 110 | 3 | ___ | ___ | ___ | ___ |
| CISB | 400 | 3 | ___ | ___ | ___ | ___ | TECI | 260 | 3 | ___ | ___ | ___ | ___ |
| CISB | 442 | 3 | ___ | ___ | ___ | ___ | | | | | | | |

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Required Business Support Courses (27 Semester Hours)

| Course | No. | Credit | Grade | Term | Year | Trns/Subs | Course | No. | Credit | Grade | Term | Year | Trns/Subs |
|--------|-----|--------|-------|-------|-------|-----------|--------|-----|--------|-------|-------|-------|-----------|
| ACCT | 201 | 3 | _____ | _____ | _____ | _____ | FINA | 301 | 3 | _____ | _____ | _____ | _____ |
| ACCT | 202 | 3 | _____ | _____ | _____ | _____ | MANG | 201 | 3 | _____ | _____ | _____ | _____ |
| BUGB | 349 | 3 | _____ | _____ | _____ | _____ | MANG | 331 | 3 | _____ | _____ | _____ | _____ |
| ECON | 201 | 3 | _____ | _____ | _____ | _____ | MARK | 231 | 3 | _____ | _____ | _____ | _____ |
| ECON | 202 | 3 | _____ | _____ | _____ | _____ | | | | | | | |

Electives (All college level courses appearing on your final transcript, **not listed above** that will bring your total semester hours to 120 hours. Excludes KINA/HPWE activity courses. It is highly recommended that at least 3 hours must be individualized studies such as Cooperative Education, Directed Readings or Independent Study.) (18 semester hours; 10 hours of upper division may be needed.)

| Course | No. | Credit | Grade | Term | Year | Trns/Subs | Course | No. | Credit | Grade | Term | Year | Trns/Subs |
|--------|-------|--------|-------|-------|-------|-----------|--------|-------|--------|-------|-------|-------|-----------|
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |

GRADUATION INFORMATION

See the “Undergraduate Graduation Requirements” in the Mesa State College catalog for additional graduation information.

GENERAL EDUCATION REQUIREMENTS (Minimum of 33 Semester Hours) See current Mesa State College catalog for list of courses that fulfill the requirements below. If one (or more) of the selections below is required in your major, you must use it to fulfill the major requirement and **make a different selection to meet the general education requirement. The courses may not be used to fulfill both requirements.**

English – 6 Semester Hours (Must be **completed** before student has 60 semester hours. Must receive grade of “C” or above.)
ENGL 111 and ENGL 112 **or** ENGL 129 (*by permission*)

Humanities – 6 semester hours

Social and Behavioral Sciences – 6 semester hours

Humanities or Social/Behavioral Sciences – 3 semester hours

Fine Arts – 3 semester hours

Natural Sciences – 6 semester hours (At least one course must include a lab.)

Applied Studies – 3 semester hours

OTHER REQUIREMENTS (9 Semester Hours)

Kinesiology – 3 Semester Hours

Each student must take KINE/HPWA 100 together with two KINA/HPWE/Selected DANC courses. See current catalog for listing.

Degree Distinction – 6 Semester Hours

MATH 121 Calculus for Business (Or a higher level math as approved as approved by advisor) – 4 semester hours

STAT 200 Probability and Statistics - 3 semester hours

Computer Information Systems (60 Semester Hours)

Computer Information Systems Core (33 Semester Hours)

CISB 205 Advanced Business Software
CISB 210 Fundamentals of Information Systems
CISB 331 Advanced Business Programming
CISB 392 Information Systems Theory and Practice
CISB 400 Data Communications and Network Management
CISB 442 Systems Analysis and Design
CISB 451 Database Administration
CISB 460 Electronic Commerce Systems
CISB 471 Advanced Information Systems
CSCI 110 Beginning Programming
TECI 260 Information Technology Hardware & System Software

Required Business Support Courses (27 semester hours)

ACCT 201 Principles of Financial Accounting
ACCT 202 Principles of Managerial Accounting
BUGB 349 Legal Environment of Business
ECON 201 Principles of Macroeconomics
ECON 202 Principles of Microeconomics
FINA 301 Managerial Finance
MANG 201 Principles of Management
MANG 331 Quantitative Decision Making
MARK 231 Principles of Marketing

General Electives: 18 Semester Hours; 10 hours of upper division may be needed. (All college level courses appearing on your final transcript, **not listed above** that will bring your total semester hours to 120 hours. Excludes KINA/HPWE activity courses. It is highly recommended that at least 3 hours must be individualized studies such as Cooperative Education, Directed Readings or Independent Study.)

Students are required to participate in exit examinations or other programs deemed necessary to comply with the college accountability requirement. 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.

SUGGESTED COURSE SEQUENCING FOR A MAJOR IN COMPUTER INFORMATION SYSTEMS

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 | Spring Semester | Hours |
|---|-------|---|----------|
| CISB 210 | 3 | CISB 205 | 3 |
| ENGL 111 | 3 | ENGL 112 | 3 |
| MATH 121 | 3 | STAT 200 | 3 |
| General Education Social/Behavioral Science | 3 | General Education Humanities | 3 |
| General Education Natural Science with Lab | 3-4 | General Education Social/Behavioral Science | 3 |
| | 15-16 | KINE/HPWA 100 Health and Wellness | <u>1</u> |
| | | | 16 |

SOPHOMORE YEAR

| Fall Semester | Hours | Spring Semester | Hours |
|-----------------------------------|----------|-----------------------------|----------|
| ACCT 201 | 3 | ACCT 202 | 3 |
| CSCI 110 | 3 | TECI 260 | 3 |
| ECON 201 | 3 | ECON 202 | 3 |
| KINA/HPWE | 1 | MANG 201 | 3 |
| MARK 231 | 3 | General Education Fine Arts | 3 |
| General Education Natural Science | <u>3</u> | KINA/HPWE Activity | <u>1</u> |
| | 16 | | 16 |

JUNIOR YEAR

| Fall Semester | Hours | Spring Semester | Hours |
|---|----------|------------------------------|----------|
| CISB 392 | 3 | CISB 400 | 3 |
| MANG 331 | 3 | CISB 442 | 3 |
| CISB 331 | 3 | General Education Humanities | 3 |
| General Education Humanities or Social/Behavioral Science | 3 | Elective | <u>3</u> |
| General Education Applied Studies | <u>3</u> | | 12 |
| | 15 | | |

SENIOR YEAR

| Fall Semester | Hours | Spring Semester | Hours |
|---------------|----------|-----------------|--------------|
| CISB 451 | 3 | CISB 471 | 3 |
| BUGB 349 | 3 | Electives | <u>11-12</u> |
| FINA 301 | 3 | | 14-15 |
| CISB 460 | 3 | | |
| Elective | <u>3</u> | | |
| | 15 | | |