COMPUTER SCIENCE/MULTIMEDIA PROGRAM **NAME & DATE _____**
Check Sheet

I. Institutional Graduation Requirements

A. COMPLETE A MINIMUM OF 180 CREDIT HOURS AT THE 100 LEVEL AND ABOVE WITH THE FOLLOWING RESTRICTIONS:

_____ 1. A minimum of 60 credit hours of upper division coursework (300-400 level)
_____ 2. A minimum of 45 credit hours from EOU of which 30 must be upper division
_____ 3. A maximum of 90 credit hours in one discipline applied to the B.S. degree
_____ 4. A maximum of 75 credit hours in one discipline applied to the B.A. degree
_____ 5. No more than 12 credit hours in PE activity courses, music activity courses, or INTACT courses **(Music majors exempt)**.
_____ 6. No more than 45 credit hours of practicum course work.
_____ 7. No more than 126 credit hours of lower division transfer course work.

B. _____ Completed General Education Curriculum (attach separate sheet)

C. _____ Completion of first-year writing courses as required by placement testing.

_____ Completion of a 200-level Writing or Writing Intensive course identified by each major (as part of the University Writing Requirement).*

_____ Completion of two upper division Writing Intensive Courses within major or as approved by major (to complete as part of University Writing requirement).*
Note: Students must complete UWR courses with a C- or better.

D. _____ Completed mathematics requirement for B.S.
OR
_____ Completed foreign language requirement for B.A.

E. _____ Met computer literacy requirement.

F. _____ Completed two UD writing intensive courses within major:
_____ and _____

G. _____ Completed approved capstone: _____

Students must earn an Eastern GPA of at least 2.000 and a composite GPA of 2.000 for all college work taken until the time the degree is conferred. A transfer GPA and the Eastern GPA are combined at the time of graduation.

Graduation Application filed _____.

May apply for graduation as early as one year in advance. Deadline for submitting application for graduation is the second Friday of the term prior to the expected graduation date.

II. Program Requirements - In addition to General Education requirements, B.S. degree candidates for Computer Science/Multimedia Studies should complete either:

1. a total of 74-84 credit hours for the CS concentration (A-D below),
2. 71-81 credit hours for the MM concentration (A,E,F and G), or
3. 75-85 for the SSC concentration (A, H and I).

A grade of "C-" or better is required for each course. A minimum overall GPA of 2.00 for all courses is required for completion of the degree.

A. COMMON CORE REQUIRED FOR MAJOR (27-37 credit hours):

COURSE #	COURSE TITLE	Hrs.	Gr.
CS 121 or MM 121	Intro to Software Development	1	
CS 161	Foundations of CS I	4	
CS 162	Foundations of CS II	4	
CS 260	Data Structures	4	
CS 370	User Interface Design	3	
CS 401 or MM 401	Capstone	1-6	
CS 407 or MM 407	Seminar	1-6	
MM 225	Intro to Multimedia Development	3	
MM 252	Intro to Web Authoring	3	
MM 315	Multimedia Design	3	

B. COMPUTER SCIENCE CONCENTRATION (28 credit hours):

CS 221	C/C++ Programming	4
CS 248	Unix Programming	3
CS 311	Operating Systems	3
CS 318	Algorithms	4
CS 335	Networking & Network Admin	4
CS 344	Systems Analysis	3
CS 360	Object Oriented Programming	4
CS 430	Database Mgmt. Systems	3

C. OTHER RELATED AREA REQUIREMENTS FOR CS CONCENTRATION (15 credit hours):

MTH 231	Discrete Mathematics	4
MTH 251, 252	Calculus	8
MTH 261	Linear Algebra	3

D. CS ELECTIVES - CHOOSE AT LEAST 4 CREDIT HOURS FROM THE FOLLOWING:

CS 301	Assembly Language	4
CS 310	Special Topics	1-5
CS 314	Computer Architecture	4
CS 321	Computing Theory	3
CS 327	Compiler Design	3
CS 380	Software Engineering	4
CS 381	Programming Languages	4
CS 405	Reading & Conference	1-4
CS 410	Special Topics	1-5
CS 427	Statistical & Scientific Comp.	3
CS 428	Web Server Programming	4
CS 440	Artificial Intelligence	4

E. MULTIMEDIA CONCENTRATION (9 credit hours):

MM 319	Multimedia Programming	3
MM 327	Intro to Comp. Graphics Applic.	3
MM 350	Multimedia Theory	3

F. OTHER RELATED AREA REQUIREMENTS FOR MM (14 credit hours):

ART 120	Design	3
ART 227	Graphics	3
MTH 112	Precalculus	4
MTH 231	Discrete Math	4

G. MM ELECTIVES - CHOOSE AT LEAST 21 CREDIT HOURS FROM THE FOLLOWING COURSES (MAY INCLUDE 15 CREDIT HOURS WITH CS PREFIXES):

MM 310	Selected Topics	1-5
MM 352	Intermediate Web Authoring	3
MM 360	3D Graphics and Animation	3
MM 364	Digital Video Production	3
MM 366	Video Post-production	3
MM 409	Practicum	1-12
MM 410	Selected Topics	1-5
MM 419	Advanced MM Programming	3
MM 420	Multimedia Simulation	3
MM 452	Advanced Web Authoring	3
ENGL 195	Introduction to Film	4
WR 243	Screenwriting Fundamentals	3
WR 330	The Electronic Word	3

H. SCIENTIFIC AND STATISTICAL COMPUTING CONCENTRATION (13 credit hours):

CS 221	C/C++ Programming	4
CS 248	Unix Programming	3
CS 427	Numerical Computation	3
CS 430	Database Mgmt. Systems	3

I. OTHER RELATED AREA REQUIREMENTS FOR SSC CONCENTRATION (35 credit hours):

MTH 231	Discrete Mathematics	3
MTH 251,252,253	Calculus I, II, III	12
MTH 261,262	Linear Algebra I, II	6
STAT 327	Statistics & Exp. Design	5
MATH 461	Probability & Statistics	4
MATH 462	Applied Regression Analysis	4

Note: Students in the SSC concentration are encouraged to complete a Math minor by adding MATH 382 Structure of Number Systems.

06/05