COMPUTER SCIENCE/MULTIMEDIA DEGREE
Program Check Sheet

NAME _____

I. Institutional Graduation Requirements

_____ Complete a minimum of 180 credit hours. Up to 120 credit hours of lower division transfer course work may be applied to the degree.

_____ Earn an Eastern GPA of at least 2.000 and a composite GPA of 2.000. A transfer GPA and the Eastern GPA are combined at the time of graduation.

_____ Complete a minimum of 60 credit hours of upper -division coursework (300-400 level).

_____ Complete all requirements in the major, including at least 35 credit hours, 25 of which must be 300 or 400 level courses. Of these, a minimum of 20 must be from EOU of which 10 must be upper division.

_____ Complete a minimum of 45 credit hours from EOU of which 30 must be upper division.

_____ A maximum of 90 credit hours in one discipline may be applied to the B.S. or the B.A. degree.

_____ Complete a minimum 3-credit college-level math/stat course (see catalog for details).

_____ Complete college-level foreign language requirement for B.A. (see catalog)

_____ Complete General Education Core with a C- or better. (Minimum of 60 credits, see catalog)

University Writing Requirement: (Must complete UWR with a C- or better)

_____ Complete first-year writing courses as required by placement test: _____

_____ Complete one lower division UWR writing intensive course as identified by each major: _____.

_____ Complete two upper division UWR writing intensive courses as identified by each major: _____ and _____

_____ Up to 12 credit hours in PE activity courses, up to 12 credit hours in music activity courses, and up to 12 credit hours in INTACT courses (Music majors may exceed the MUS limitation).

_____ Up to 45 credit hours of practicum coursework may be applied to the degree.

_____

Graduation Application filed _____.

May apply for graduation as early as one year in advance by submitting an application for graduation to the Registrar's Office. The deadline for submitting an application for graduation is the second Friday of the term prior to the expected graduation date.

Adviser_____

Date_____

II. Program Requirements - In addition to General Education requirements, B.S. and B.A. degree candidates for Computer Science/Multimedia Studies should complete a total of 72-83 credit hours. 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 (for B.A. and B.S.)

COURSE #	COURSE TITLE	Hrs.	Gr.
CS 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	
MM 225	Intro to Multimedia Develop	3	
MM 252	Intro to Web Authoring	3	
MM 315	Multimedia Design	3	
CS 401 or MM 401 Capstone		1-6	
CS 407 or MM 407 Seminar		1-6	

(27-37 credits)

B. COMPUTER SCIENCE CONCENTRATION (Required)

COURSE #	COURSE TITLE	Hrs.	Gr.
CS 221	C/C++ Programming	4	
CS 248	Unix Programming	3	
CS 311	Operating Sys.	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	

(28 credits)

C. RELATED AREA COURSES REQUIRED FOR CS CONCENTRATION (16 credits)**:**

COURSE #	COURSE TITLE	Hrs.	Gr.
MATH 231	Discrete Mathematics	4	
MATH 251	Calculus I	4	
MATH 252	Calculus II	4	
MATH 341	Linear Algebra	4	

D. CS ELECTIVES - CHOOSE AT LEAST 4 CREDITS:

COURSE #	COURSE TITLE	Hrs.	Gr.
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 409	Practicum	1-12	
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 (Required):
9 credits

COURSE #	COURSE TITLE	Hrs.	Gr.
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 CONCENTRATION: (16 credits):

COURSE #	COURSE TITLE	Hrs.	Gr.
ART 120	Design	4	
ART 227	Graphics	4	
MATH 112	Precalculus	4	
MATH 231	Discrete Math	4	

G. MM ELECTIVES - CHOOSE AT LEAST 21 CREDITS FROM THE FOLLOWING COURSES (Maximum 15 CREDITS WITH CS PREFIXES):

COURSE #	COURSE TITLE	Hrs.	Gr.
ENGL 195	Introduction to Film	4	
MM 310	Selected Topics	1-5	
MM 352	Intermediate Web Authoring	3	
MM 360	3D Graphics and Animation	3	
MM 364	Film 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	
WR 243	Screenwriting Fundamentals	3	
WR 330	The Electronic Word	3	

H. SCIENTIFIC AND STATISTICAL COMPUTING CONCENTRATION (13 credits)**:**

COURSE #	COURSE TITLE	Hrs.	Gr.
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 (33 credits)**:**

COURSE #	COURSE TITLE	Hrs.	Gr.
MATH 231	Discrete Mathematics	4	
MATH 251	Calculus I	4	
MATH 252	Calculus II	4	
MATH 253	Calculus III	4	
MATH 341	Linear Algebra	4	
STAT 327	Statistics & Exp. Design	5	
MATH 361	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 Abstract Mathematics.