

**COMPUTER SCIENCE/MULTIMEDIA DEGREE
SCIENTIFIC AND STATISTICAL COMPUTING CONCENTRATION**
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)

Diversity Requirement: Must complete a minimum 5 cr. of DPD (Diversity, Power, and Discrimination) coursework. See your academic adviser for details. _____

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 _____.

NOTE: May apply for graduation as early as one year in advance by submitting an application for graduation to the Registrar's Office. For more details, see: <http://www.eou.edu/regis/grad-info.html>

Advisor _____

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 74-84 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 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	

(23-33 credits)

B. SCIENTIFIC AND STATISTICAL COMPUTING CONCENTRATION REQUIRED COURSES (17 credits):

COURSE #	COURSE TITLE	Hrs.	Gr.
CS 221	C/C++ Programming	4	
CS 248	Unix Programming	3	
CS 260	Data Structures	4	
CS 330	Database Mgmt Systems	4	
CS 427	Numerical Computation	3	

(Minimum 18 credits)

C. 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	
MATH 361	Probability & Statistics	4	
MATH 462	Applied Regression Analysis	4	
STAT 327	Statistics & Exp. Design	5	

(Minimum 33 Credits)

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

CORE	23-33
SciStat Req	18
Related Electives	33
Total	74-84