Curriculum Sheet for Fall 2006 Catalog Year

CECS Distribution Requirements 24

ENGLISH COMPOSITION (6)
Composition Placement Exam required, and
Take both COMP 105 (3) & COMP 270 (3)

ECONOMICS (3)
ECON 201 (3) Macroeconomics

HUMANITIES (See Notes * & **)
Two courses, 100- to 400-level, 6 credits, from
AFRICAN/AFRICAN-AM, HUM (AAAS)
AAAS 239 or 275; AAAS 385, 389, 469, 470
ART HISTORY (ARTH)
COMMUNICATIONS (COMM)
COMM 220 or 250; COMM 300/400-level
COMPARATIVE LITERATURE (COML)
ENGLISH (ENGL)
FILM STUDIES (FILM)
FOREIGN LANGUAGE
MUSIC HISTORY (MHIS)
PHILOSOPHY (PHIL)
SCIENCE/TECH STUDIES, HUM (STS)
STS 300; 307, 312, 403, 410, 485, 488
WOMEN'S STUDIES, HUM (WST)
WST 275; 385, 386, 387, 416, 425, 445

BEHAVIORAL SOCIAL SCIENCES **
Two courses, 100- to 400-level, 6 credits, from
AFRICAN/AFRICAN-AM, SSCI (AAAS)
AAAS 106 or 275; AAAS 320, 322,
325, 349, 369, 403
ANTHROPOLOGY (ANTH)
ECONOMICS (ECON)
ECON 202; ECON 300-level only

EGEOGRAPHY (GEOG)
GEOG 201 or 205; GEOG 300-level only

HISTORY (HIST)

POLITICAL SCIENCE (POL)

PSYCHOLOGY (PSYC)

SCIENCE/TECH STUDIES, SSCI (STS)
STS 300; 308, 309, 321, 325, 340, 345, 349,
365, 374, 383, 385, 386, 409, 421, 430, 441,
442, 464
SOCIOLOGY (SOC)

WOMEN'S STUDIES, SSCI (WST)
WST 275; 325, 326, 338, 362, 370, 405,'
406, 407, 420

UPPER-LEVEL COURSE (3 credits)
One upper-level course, 300- or 400-level,
in the same discipline as one of the courses
already taken, in either Humanities or
Behavioral/Social Sciences.

MATHEMATICS and SCIENCE 31

MATHEMATICS & STATISTICS (16)
MATH 115 (4) Calculus I
MATH 116 (4) Calculus II
One of the following two (Calculus III)
MATH 205 (3) [or MATH 215 (4)]
One of the following two (Matrix/Linear Alg)
MATH 217 (2) [or MATH 227 (3)]
One of the following two (Prob/Statistics)
IMSE 317 (3) or MATH 425 (3)

LABORATORY SCIENCE Sequence (8)
Two courses, 8 credits, in a sequence from:
BIOL 130 (4) and BIOL 140 (4)
or CHEM 134 (4) and CHEM 136 (4)
or CHEM 144 (4) and CHEM 146 (4)
or GEOL 118 (4) and GEOL 218 (4)
or PHYS 125 (4) and PHYS 126 (4)
or PHYS 150 (4) and PHYS 151 (4)

NATURAL SCIENCE (4)
Four additional science credits from:
BIOL 130 BIOL 140
CHEM 134 CHEM 136 CHEM 144
CHEM 146 CHEM 225 CHEM 226
CHEM 227 GEOL 118 GEOL 218
PHYS 125 PHYS 126 PHYS 130/131
PHYS 150 PHYS 151

BUSINESS COURSE (3 credits)
ENGR 400 (3) Applied Bus Techniques

CIS COURSES & ELECTIVES 65

CIS CORE – 8 courses (32 credits)
CIS 150 (4) Computer Science I
CIS 200 (4) Computer Science II
CIS 275 (4) Discrete Structures
CIS 310 (4) Computer Organization
& Assembly Language
CIS 350 (4) Data Structures
CIS 375 (4) Software Engineering
CIS 427 (4) Computer Networks
& Distributed Systems
CIS 450 (4) Operating Systems

CISC Required – 3 courses (10)
CIS 400 (4) Programming Labs
One of the following two courses
CIS 294 (2) Visual Basic
CIS 296 (2) Java Programming
CIS 4951 (2) Design Seminar I
CIS 4951 (2) Design Seminar II

CISC ELECTIVES for CISC (14)
Fourteen (14) credits from the following:
CIS 258 (2) Software Engineering Tools
CIS 376 (4) Software Eng II
CIS 381 (3) Industrial Robotics
CIS 421 (4) Database Systems
CIS 4261 (4) Information Sys Dsgn I
CIS 4262 (4) Information Sys Dsgn II
CIS 435 (3) Multimedia Web Dsgn
CIS 451 (3) Computer Graphics
CIS 474 (3) Compiler Design
CIS 476 (3) Softw Arch/ Design Patterns
CIS 479 (3) Artificial Intelligence
CIS 487 (3) Computer Game Design I
CIS 488 (3) Computer Game Design II
CCM 404 (3) Dynamical Systems
CCM 472 (3) Numerical Analysis
CCM 473 (3) Matrix Computation
ECE 372 (4) Microprocessors

GENERAL ELECTIVES (9 credits)
At least 6 credits must be outside computer
science, mathematics, natural science, and
engineering.
See note below **

** Avoid NO-CREDIT courses.
NO-CREDIT courses posted outside
2000 EC and listed at end of the CECS
Handbook: www.engin.umd.umich.edu/
student_services/advising/pdf/Student_
Handbook.pdf

NO-CREDIT courses DON’T count for
the degree. NO-CREDIT courses include
ARTH 105, ECON 305, POL 300, PSYC
381, SOC 383, STAT 325, and many
others. Check the list!

* Note: AAAS, STS, and WST disciplines
have different sets of courses for
 Humanities and Behav/Social Sciences.