COLLEGE OF ARTS AND SCIENCES
KENT STATE UNIVERSITY
BACHELOR OF SCIENCE DEGREE
MAJOR REQUIREMENT SHEET
2006-07 UNDERGRADUATE CATALOG

NAME: _____

ID NUMBER: _____

DATE: _____

SUMMARY OF B.S. GENERAL GRADUATION REQUIREMENTS (see catalog for additional details)

- Minimum of 121 total hours, 42 upper division hours
- Minimum of 2.00 cumulative GPA and 2.00 GPA in major(s)/minor(s)
- Maximum of 12 pass/fail hours
- Residency Requirement - First 91 or last 30 hours must be completed at Kent State University
- Writing-Intensive Requirement
- Participation in outcomes assessment conducted by your major program

NO COURSEWORK IN YOUR MAJOR MAY BE TAKEN PASS/FAIL
See the back of this page for a BS General Requirement Sheet

College General Requirements (includes University LER's)

• English Composition	6 hours
• Mathematics/Logic	3-5 hours
• Foreign or American Sign Language	8 hours
• Humanities/Fine Arts	9 hours
• Social Sciences	6 hours
• Basic Sciences	6-7 hours
• Additional	6 hours
• University Orientation	1 hour

Core courses:

CS Intro to Computer Science	10051 ____	4
CS CS I: Programming & Problem Solving	23021 ____	4
MATH Analytic Geometry & Calculus 1	*12002 ____	5
MATH Analytic Geometry & Calculus II	12003 ____	5
MATH Linear Algebra with Applications	21001 ____	3
MATH Analytic Geometry & Calculus III	22005 ____	3
MATH Intro. to Ordinary Differential Equations	32044 ____	3
MATH Intro to Prob Theory & Applications	40011 ____	3
M&TH Intro to Statistical Concepts	40012 ____	3
MATH Theory of Matrices	41021 ____	3
MATH Mathematical Models & Dynamical Systems	42031 ____	3
MATH Seminar: Modeling Projects	42091 ____	3
MATH Introduction to Numerical Computing I	42201 ____	3
MATH Introduction to Numerical Computing II	42202 ____	3
PHY General University Physics I	23101 ____	5
PHY General University Physics II	23102 ____	5

Plus one of the following concentrations................................15

APPLIED MATHEMATICS (BS AMTH AAA)

MATH Advanced Calculus	42041 ____	3
MATH Intro to Partial Differential Equations	42045 ____	3
MATH Intro to Complex Variables	42048 ____	3
**Allied area electives...................................6		

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COMPUTATIONAL MATHEMATICS (BS AMTH BAA)

CS Data Structures	33001 ____	3
MATH Discrete Structures for Computer Science	23022 ____	3
**Allied area electives.................................9		

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FINANCIAL MATHEMATICS BS AMTH DAA

ACCT Introduction to Financial Accounting	23020 ____	3
FIN Business Finance	36053 ____	3
MATH Topics in Probability Theory and Stochastic Processes	40051 ____	3
MATH Introduction to Partial Differential Equations	42045 ____	3
***Allied area electives..................................3		

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PROBABILITY AND STATISTICS (BS AMTH CAA)

MATH Topics in Probability Theory and Stochastic Processes	40051 ____	3

Choose one from:

MATH Statistical Methods for Experiments	40041 ____	3
MATH Sampling Theory	40042 ____	3
**Allied area electives..................................9		

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TOTAL MAJOR HOURS...73

*Math 12001, which is a prerequisite for MATH 12002, should be bypassed by students with sufficient background.

**Selected from approved upper-division courses for majors in BSCI, CHEM, CS, MATH, or PHY in consultation with the student's major adviser.

***Selected in consultation with the student's major advisor from approved upper-division courses for majors in BSCI, CHEM, CS, MATH or PHY, or from the following courses: FIN 36054, 36059, 46054, 46055, 46064, 46067, ECON 32025, 32040, 32041, 32050.

DISTRIBUTION: ADVISOR _____ STUDENT _____

DEPARTMENT OF MATHEMATICS WEBSITE: http://www.math.kent.edu