Guided Electives in Area F for Mathematics Majors
Approved January 16, 2007

For the Applied Mathematics Concentration

STAT 1127. Introductory Statistics (3-0-3) *Prerequisite:* Satisfactory score on math placement exam or completion of Area A math course with a grade of C or better.

MATH 2125. Introduction to Discrete Mathematics (3-0-3) *Prerequisites*: MATH 1113 or MATH 1131 with a grade of C or better or a satisfactory math placement score.

CPSC 1301. Computer Science 1 (3-0-3) *Co-requisite:* CPSC 1301L.

CPSC 1301L. Computer Science 1 Lab (0-3-1) *Co-requisite:* CPSC 1301.

CPSC 1302. Computer Science 2 (3-0-3) *Prerequisite:* CPSC 1301 and CPSC 1301L with a grade of C or better.

CPSC 2108. Data Structures (3-0-3) *Prerequisite:* CPSC 1302 with a grade of C or better.

ECON 2105. Principles of Macroeconomics (3-0-3)

ECON 2106. Principles of Microeconomics (3-0-3)

ACCT 2101. Principles of Accounting 1 (3-0-3)

ACCT 2102. Principles of Accounting 2 (3-0-3) *Prerequisite:* ACCT 2101.

BIOL 2285. Research Methods in Biology (1-3-2) *Prerequisites:* ENGL 1101 and MATH 1127, both with a grade of C or better.

CHEM 1211. Principles of Chemistry 1 (3-0-3) *Co-requisite:* CHEM 1211L.

CHEM 1211L. Principles of Chemistry 1 Lab (0-3-1) *Co-requisite:* CHEM 1211.

CHEM 1212. Principles of Chemistry 2 (3-0-3) *Prerequisite:* CHEM 1211 and CHEM 1211L with a grade of C or better in each; *Co-requisite:* CHEM 1212L.

CHEM 1212L. Principles of Chemistry 2 Lab (0-3-1) *Prerequisite:* CHEM 1211 and CHEM 1211L with a grade of C or better in each; *Co-requisite:* CHEM 1212.

For the BS/BA in Mathematics

STAT 1127. Introductory Statistics (3-0-3) *Prerequisite:* Satisfactory score on math placement exam or completion of Area A math course with a grade of C or better.

MATH 2125. Introduction to Discrete Mathematics (3-0-3) *Prerequisites*: MATH 1113 or MATH 1131 with a grade of C or better or a satisfactory math placement score.

PHYS 2211. Principles of Physics 1 (3-0-3) *Prerequisite:* MATH 1131 with a grade of C or better; Co-requisite: PHYS 2311.

PHYS 2311. Principles of Physics 1 Lab (0-3-1) *Prerequisite:* MATH 1131; Co-requisite: PHYS 2211.

PHYS 2212. Principles of Physics 2 (3-0-3) *Prerequisites:* PHYS 2211 and PHYS 2311 and MATH 1132, each with a grade of C or better; *Co-requisite:* PHYS 2312.

PHYS 2312. Principles of Physics 2 Lab (0-3-1) *Prerequisites:* PHYS 2211 and PHYS 2311; *Co-requisite:* PHYS 2212.

ENGR 2115. Statics (3-0-3) *Prerequisites:* MATH 1132, PHYS 2211, and PHYS 2311.

ENGR 2125. Dynamics of Rigid Bodies (3-0-3) *Prerequisite:* ENGR 2115.