B.S. in MATHEMATICS CHECK SHEET

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The core courses are designed to give students breadth of mathematical experience, while the concentrations allow students to go more in depth in an area of interest. All students must complete at least 120 credits to graduate.

For a B.S. Degree in Mathematics

A student must take all the core courses. Beyond the core courses, a student must either

(a) complete a concentration, or

Students with an interest in economics, finance, accounting,

actuarial science, or the social sciences are encouraged to

complete the statistics concentration.

	CORE COURSES	
Mathematics MAT 225 Discrete Mathematics MAT 211 Calculus I MAT 212 Calculus II MAT 213 Calculus III	MAT 320 Introd	tics I entary Linear Algebra luction to Abstract Algebra Analysis or MAT 430 Complex Analysis
Computer Science CSC 110 Computer Science I with CSC	106/107 Lab or	CSC 180 Microcomputer Basic
	CONCENTRATIO	NS
Applied Mathematics Concentration MAT 322 Differential EquationsMAT 326 Mathematical ModelingOne of MAT 410 Numerical AnalysisMAT 413 Statistics IIMAT 421 Number Theory and CryptographyMAT 422 Partial Differential EquationsMAT 456 Deterministic Methods of OperationResearchMAT 4xx electiveMAT 4xx electiveMAT 4xx elective Eithercomplete a minor:or		MAT 326 Mathematical Modeling MAT 333 Geometry MAT 400 History of Mathematics MAT 4xx elective EEC 273 Introduction to Exceptionality ECH 207 Organizational and Psychological Foundations in Secondary Education EEC 423 Effective Instructional Strategies RDG 413 Teaching Reading to English Language Learners EDU 371 Technology in the Mathematics Classroom EDU 434 Teaching of Mathematics in the Secondary Schools I EDU 435 Teaching of Mathematics in the Secondary School II EEC 483 Assessing Students for Curricular Decision Making EDU 495 Student Teaching and Professional Practicum 12 cr). Ents who plan on teaching mathematics at the middle of or high school level should complete the secondary ation concentration.
Statistics Concentration MAT 413 Statistics II MAT 476 Probability MAT 3xx or 4xx elective MAT 3xx or 4xx elective MAT 3xx or 4xx elective Two Allied Electives and an Interdisciplinary Sec		AT 3xx or 4xxAT 3xx or 4xxAT 3xx or 4xxAT 4xx

desire both depth and breadth across the mathematics

curriculum.