Bachelor of Science Graduation Requirement in Science, Mathematics and Technology (BS-SMT)

Students with a Bachelor of Science (B.S.) degree must have one additional science, mathematics, statistics, and/or technology course (beyond the General Education requirements) which must meet three criteria: (a) courses must be three semester hours or greater; (b) courses must list specific prerequisites from General Education courses in mathematics and/or science, approved natural science alternative courses, or courses in the quantitative reasoning category; and (c) course content must be mathematical, scientific, and/or technological, and must constitute a significant extension of the General Education courses that count as prerequisites.

The courses on the following list meet the graduation requirement for Science, Mathematics and Technology.

BS-SMT Courses: https://coursefinder.illinoisstate.edu

AGR 157 Soil Science

AGR 203 Agriculture and the Environment **(Gen Ed)**

AGR 271 Foods of Animal Origin

AGR 282 Anatomy and Physiology of Livestock and Companion Animals

AGR 315 Financial Management and Analysis of the Agribusiness Firm

AGR 363 Agricultural Statistics

BSC 145 Human Biology **(Gen Ed)**

BSC 160 Microbiology and Society **(Gen Ed)**

BSC 170 Genetics and Society **(Gen Ed)**

BSC 201 Ecology

BSC 202 Human Ecology **(Gen Ed)**

BSC 211 Economic Botany

BSC 219 Genetics

BSC 223 Ecology and Conservation of Plants

BSC 292 Invertebrate Zoology

BSC 295 Comparative Vertebrate Anatomy

BSC 333 Plant Diversity

CHE 141 General Chemistry II

CHE 204 Chemistry of Life **(Gen Ed)**

CHE 220 Elementary Organic Chemistry

CHE 230/231 Organic Chemistry I/Organic Chemistry Laboratory

ECO 138 Economic Reasoning Using Statistics **(Gen Ed)**

ECO 238 Using Regression and Econometric Methods

FIL 240 Business Finance

GEO 138 Maps and Geographic Reasoning **(Gen Ed)**

GEO 202 Evolution of the Earth **(Gen Ed)**

GEO 207 Natural Disasters **(Gen Ed)**

GEO 211 Earth's Dynamic Weather **(Gen Ed)**

GEO 280 Mineralogy

HSC 201 Pathophysiology I

IT 115 Reasoning About Complex Systems **(Gen Ed)**

IT 165 Computer Programming for Scientists

KNR 282 Biomechanics of Human Movement

MAT 121 Applied Calculus **(Gen Ed)**

MAT 146 Calculus II **(Gen Ed)**

MAT 147 Calculus III

MAT 160 Elementary Discrete Mathematics

MAT 175 Elementary Linear Algebra

MQM 100 Statistical Reasoning **(Gen Ed)**

MQM 227 Operations Management

PHI 112 Language, Logic and Mathematics **(Gen Ed)**

PHY 109 College Physics II

PHY 111 Physics for Science and Engineering II

PHY 117 Numerical Reasoning in Nature and Technology **(Gen Ed)**

PHY 205 Origin of the Universe **(Gen Ed)**

PHY 206 Chaos and Complexity **(Gen Ed)**

PHY 207 Energy and the Environment **(Gen Ed)**

POL 138 Quantitative Reasoning in Political Science **(Gen Ed)**

PSY138 Reasoning in Psychology Using Statistics **(Gen Ed)**

PSY 340 Statistics for the Social Sciences

SOC 275 Social Statistics

TEC 111 Fundamentals of Power Technology

TEC 143 Introduction to Electronics for Data Communication

TEC 313 Quality Systems for Technology

(Gen Ed) Courses also approved for General Education