

NATURAL SCIENCES W/LAB CORE GROUP

Learning Objectives (Student Outcomes) And General Course Requirements

Course List	Overall Learning Objectives/Student Outcomes "By the end of each course, the student should be able to:"	General Course Components to Achieve Learning Objectives
BSB 101 Gen Bio I w/BSB 101L BSB 102 Gen Bio II w/BSB 102L BSB 201 Man:Origins and Ecology w/ BSB 102L BSM 131 Gen Micro w/BSM 131L PSC 111 Gen Chem I w/PSC 111L PSC 112 Gen Chem II w/PSC 112L PSP 211 Gen Physics I w/lab PSP 212 Gen Physics II w/lab PSP 213 Gen Physics (calculus based) I w/lab PSP 214 Gen Physics (calculus based) II w/lab SM 101 Env Sci I w/lab SM 102 Env Sci II w/lab	<ol style="list-style-type: none"> <li>1. understand the major concepts that underpin a major field of science</li> <li>2. successfully apply the scientific method to problems in the natural sciences</li> </ol>	<ol style="list-style-type: none"> <li>1. students must integrate computational and mathematical skills with scientific applications</li> <li>2. students must develop research skills by observing, collecting, recording, and analyzing data collected in a laboratory setting</li> <li>3. students must acquire hands-on experience by performing at least 8 different lab-based exercises</li> <li>4. students must turn in at least one written lab report, written in an accepted scientific style, based on a lab performed as part of the course</li> <li>5. students must be familiarized with lab safety rules</li> </ol>