

Program	Graduates	Description
Anthropology	25	Anthropology exposes our students to the major issues and concepts of the sub-disciplines of anthropology and provides them with an understanding of holism, diversity, and the complexity of the human experience through the use of critical thinking skills. Anthropology majors will demonstrate an understanding of anthropological values that contribute to an appreciation of inclusiveness and diversity, such as cultural relativism. Courses compare different adaptive strategies of cultures from around the world and seeks understanding of ethical and social values different groups have related to the environment. Attention is focused on how humans relied on cultural mechanisms in the past to adapt and change their physical and natural environment.
Biology	100	Students in the biology major will demonstrate proficient knowledge of ecology and evolutionary biology. Students in the Biology major will identify, evaluate, and synthesize from multiple sources of scientific information. Students in the Biology major will participate in high-impact learning experiences such as internships, research experiences, and volunteer and service activities.
Chemistry	21	Students will demonstrate basic knowledge of the concepts of green chemistry. Students will demonstrate the ability to utilize their knowledge of green chemistry in their future career.
College of Education and Community Innovation	863	The College of Education and Community Innovation (CECI) is the first academic college in the nation to unite the transformative power of education, social work, criminology, philanthropy, and legal studies with the community engagement of hospitality, health, nonprofit, and public management and policy. The College of Education and Community Innovation (CECI) embodies principles of democracy, high ethical standards, diversity, and active engagement. CECI builds upon the wisdom, goals, and life experiences of our learners and community partners. We will establish an open and creative culture that welcomes innovative scholarship and service where all CECI learners are successful contributors. Within this culture, we will nurture key innovations, bolster community capacity, and inculcate leaders with the appreciation of applied knowledge towards improved and healthy communities. CECI values Equity, Social Justice, Inclusive Society, and Social Responsibility. Social innovation is engaged in addressing complex social problems such as: childhood hunger, illiteracy, domestic violence, air pollution, food deserts, contaminated drinking water, racism, poverty, and homelessness. All of the majors within CECI require at least one sustainability-focused course.
College of Health Professions	751	The College of Health Professions mission is to prepare exceptional professionals who will impact the health and well-being of the larger community. Its vision is to create an environment that is recognized and respected for excellence in teaching, scholarship, and service to the community, our professions, and the constituents we serve. It values professional and ethical behavior, respect and appreciation of differences, life-long learning, excellence in teaching, scholarship, practice, appreciation of personal well-being, collegiality and collaboration, and social responsibility. One example of a direct linkage to sustainability is the CHP lab experience that takes place at the Sustainable Agriculture Project, giving students hands-on experience with sustainable and regenerative growing practices as part of their food and nutrition studies.
Engineering	310	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

Environmental & Sustainability Studies	39	Environmental and sustainability studies draw upon a variety of disciplines - arts and humanities, physical and life sciences, and economic and policy studies - to develop a holistic, place-based, and solutions-oriented understanding of environmental and sustainability challenges.
Film & Video	71	Students will be able to analyze themes and implications of film and media works as they relate to society and social responsibility. The sustainability office meets with these students to discuss ways to minimize waste on set.
Geography	11	Students will be able to apply their knowledge of core geographic theory and techniques in problem solving and innovative approaches to environmental and international development issues (e.g. climate change mitigation and adaptations, food security, and sustainable development).
Geology	19	To show learning gains in understanding fundamental geological processes both in the Earth's interior, on its surface and through geologic time. Geology majors choosing the environmental emphasis will demonstrate content knowledge and problem solving skills in understanding and addressing environmental problems. Students having chosen the environmental emphasis will demonstrate proficiency in interpreting environmental change over geologic time.
Global Studies & Social Impact	10	Demonstrate an understanding of the social, political, cultural, environmental interconnections between different human communities and the global conditions and systems that affect the well-being of these communities and of ecosystems.
Integrated Science	24	The Integrated Science (ISCI) Program at Grand Valley State University provides K-12 teacher training in science education. We offer an Integrated Science Elementary Education Major for K-8 certification, and an Integrated Science Secondary Education Major for 6-12 certification. Lessons include active inquiry lessons where students collect and interpret data in order to develop and communicate concepts and understand scientific processes, relationships and natural patterns from empirical experiences. Use a variety of strategies that demonstrate the candidates' knowledge and understanding of how to select the appropriate teaching and learning activities. These strategies are inclusive and motivating for all students. ISCI students learn content and pedagogy in science education through active learning in our ISCI course curriculum, and during authentic field, service learning and scholarship experiences. All faculty emphasize, and students are fully immersed in Michigan's K-12 Science Standards (example: construct an explanation based on evidence for how the availability of natural resources, occurrence of natural hazards, and changes in climate have influenced human activity), which are based on the Next Generation Science Standards.
Integrative Studies	75	Students will engage in perspective-taking the explicates and connects their applied, professional experiences with learning in the classroom. Students will demonstrate their ability to move with integrity between one's values and sense of self, integrating knowledge and modes of thinking drawn from two or more disciplines. Students will apply content learned in the course of study to real-world problems and questions. Students will engage in critical and creative decision-making, analyzing a range of fields, considering areas of alignment and divergence, and arriving at an interdisciplinary understanding of an issue. This includes an emphasis area on "Sustainability, Food, and Culture." Additionally, all students are required to take INT 100 which has learning outcomes aligned with the "Essential Learning Framework" defining the knowledge and skills gained from a liberal education, as established by the AAC&U. This includes learning outcomes on "knowledge of human cultures and the physical and natural world" as well as "social justice and human rights."

Natural Resources Management	59	NRM students will understand ecological concepts and principles including the structure and function of ecosystems, plant and animal communities, competition, diversity, population dynamics, succession, disturbance, and nutrient cycling. NRM students will be able to evaluate and understand the economic, ecological, and social trade-offs of alternative land uses and ecosystem management decisions at local, regional, and global scales.
Philanthropy & Nonprofit Leadership	5	Students will appreciate the role that key values, including trust, stewardship, service, social justice and civic engagement play in the nonprofit and philanthropic sectors. Underlying all of this learning, students will gain an understanding of the importance of ethical conduct in the field.
Seidman College of Business	1367	Seidman develops business talent that advances sustainable growth in West Michigan and the Great Lakes Region. Through the exchange and application of knowledge from global and diverse perspectives, we prepare learners to make ethically-informed decisions that positively impact the economy, environment, and society. Our distinctiveness is grounded in strong community collaborations, applied scholarly contributions, innovative approaches to learning, and a supportive culture. Student learning outcomes: Students will analyze and integrate the impact of global forces in business decisions. Students will integrate global and cultural factors into the decision-making process. Students will identify their own values and understand how value systems impact decision-making. Students will be able to identify and evaluate the feasibility of solutions considering aspects such as the historical context and ethical, legal, or practical impact of potential solutions. Students should be able to demonstrate the integrated cross-functional nature of business processes. Students should be able to demonstrate global cultural competence. Students will articulate their own values-driven leadership philosophy. Required course: BUS 201 The legal, regulatory, and ethical environment in which business operates is explored, with emphasis on the regulation of business, international law, environmental law, ethics, the political and social factors influencing case and statutory law, contracts, employment law, and business organizations.
Social Innovation	10	Apply an integrated theoretical and methodological framework that defines, analyzes, and addresses human sustainability.
Total Graduates	3760	