

Undergraduate Sustainability Related Courses

Sustainability Related courses are courses focused on a topic other than sustainability but incorporate a unit or module on sustainability or a sustainability challenge, including one or more sustainability-focused activities, or integrate sustainability issues throughout the courses.

Courses	Department	Course Title	Sustainability Keywords
AUTE 3290U	Automotive Engineering	Powertrain Design	electrical, hybrid
AUTE 3450U	Automotive Engineering	Combustion and Engines	efficiency, reducing pollutant formation, pollution reduction
BIOL 3610U	Biology	Comparative Zoology	ecology, environment
BIOL 3640U	Biology	Plant Biology	plant-soil interactions
BIOL 3810U	Biology	Introduction to the World Ocean	oceanography
BIOL 4010U	Biology	Introduction to Environmental Research Methods	environmental studies, systems
BIOL 4020U	Biology	Introduction to Environmental Toxicology	contaminant issues in ecosystems and the environment, wildlife, environmental risk assessment
BIOL 4030U	Biology	Advanced Topics in Environmental Toxicology	environmental toxicology, ecotoxicology
BUSI 1010U	Business	Critical Thinking and Ethics	environment, ethics
BUSI 2000U	Business	Collaborative Leadership	intercultural communications, goals, ethical practice, leadership
BUSI 2620U	Business	Business Ethics	ethical issues, morality, environment, local communities, compliance programs
BUSI 3171U	Business	Advanced Auditing	environmental auditing
BUSI 3210U	Business	Consumer Behaviour	purchase decisions, consumer behaviour
BUSI 3360U	Business	Occupational Health and Safety	new technology, gender composition of the workforce, employee health and safety

BUSI 3590U	Business	Design Thinking: A Human Centric Approach to Project Management	empathy in decision making
COMM 1420U	Communications	Living Digitally	impacts of digital technology on society, voting
COMM 3710	Communications	Intercultural Communication	intercultural communication
COMM 3720U	Communications	Communicating Identities	identity, social issues, oppression
COMM 4420U	Communications	Digital Media, Politics and Democracy	civic engagement, digital activism, political system
CRMN 2040U	Criminology	Decolonizing Criminology	anti-colonial, voices and perspectives of BIPOC and Indigenous peoples, decolonizing methodologies, activism,
CRMN 3065U	Criminology	Race-ing Justice	disparate experiences of ethnic and racial minorities
EDUC 2400U	Education	Equity and Diversity	socio-economic status, intersectionalities of gender, race, faith, sexual orientation, critical multiculturalism
EDUC 2402U	Education	Teaching for Inclusion: Special Needs and Individualized Education	culturally responsive teaching, diverse learners, diverse needs
EDUC 3200U	Education	Introduction to Indigenous Pedagogy	historical, political, social and cultural contexts of Indigenous education
EDST 2500U	Educational Studies and Digital Technology	Foundations of Equity, Diversity and Inclusion in Education	marginalized, equity-seeking groups
EDST 4530U	Educational Studies and Digital Technology	Social Justice Issues in Education	oppression, privilege, social justice framework, just and equitable education systems
ENGR 3730U	Engineering	Solar Energy Technologies	photovoltaic generation, solar cells, solar hot water and space systems, energy storage devices
ENGR 4470U	Engineering	Hydrogen Power Systems	integrated energy systems, applications in transportation
ENGR 4480U	Engineering	Emerging Energy Systems	energy systems, solar, wind, biomass, geothermal, tidal and wave energy
ENGR 4530U	Engineering	Hydroelectric Power Systems	energy conservation, environmental impacts

ENGR 4760U	Engineering	Ethics, Law and Professionalism for Engineers	environmental laws, environmental stewardship, corporate social responsibility, ethical obligations of engineering
ENVs 4010U	Environmental Science	Geographic Information Systems (GIS) & Spatial Analysis	environmental research
HLSC 1811U	Health Science	Social Determinants of Health	social determinants of health, inequalities,, racism, sexism, poverty, food security, access to health care
HLSC 2130U	Health Science	Public Health Microbiology	environmental health, zoonotic infectious diseases, vaccine preventable diseases
HLSC 3824U	Health Science	Plagues, Pandemics and People	ecological perspectives, ecology,
HLSC 4810U	Health Science	Human Sexuality and Health Across the Lifespan	sexuality, global perspective, sexual health, societal attitudes and stressors in the LGBTQ community
INDG 1000U	Indigenous	Introduction to Indigenous Studies: Colonial History and its Impacts on Indigenous Peoples	colonization, colonial narratives, Indigenous pedagogies, anti-racist approaches, reconciliation
KINE 1130U	Kinesiology	Sociocultural Perspectives	socio-cultural influences on health, education, employment, income levels, ethnicity, racism, sexism, individual and community wellbeing
LGLS 2120U	Legal Studies	International Law	international human rights, UN
LGLS 3310U	Legal Studies	Indigenous Peoples, Law and the State in Canada	treaty rights, Indigenous rights
LGLS 3230U	Legal Studies	Law and Globalization	state sovereignty, economic regulation, international justice, advocacy
NUCL 1530U	Nuclear	Radiation and Nuclear Technologies	protection of the environment, energy production
NURS 3700U	Nursing	Health and Healing: Healthy Communities Nursing Theory and Practicum	social justice, healthy public policy
POSC 2300U	Political Science	Mobilizing for Change	social movements, community/collective action, community leadership, sustainable practice
POSC 3102U	Political Science	Race and Racism in Political Culture	critical race theory, analysis of race with gender, sexuality, class, disability, and age

POSC 3200U	Political Science	Rural-Urban Fringe	rural, urban, politics
POSC 3201U	Political Science	Rural Communities	grass roots initiatives, rural communities
POSC 3203U	Political Science	Urban Development	urban gentrification, urban development, grass roots initiatives
POSC 3500U	Political Science	Equity Policy	equity priorities, social justice, gender equity, race, cultural equity
POSC 3501U	Political Science	Politics and Poverty	Indigenous poverty, poverty activism, feminization of poverty
POSC 3600U	Political Science	Politics of Education in Canada	social policy, education, education policies, education issues, educational accessibility
POSC 3601U	Political Science	Politics of Health	health issues, different approaches to health care
POSC 3603U	Political Science	Politics of Housing	public housing, rent control, policies
POSC 3700U	Political Science	Technology, Politics and Social Theory	social theory and history, role of technology on social and political conflict, the environment and social justice, community development
POSC 3800U	Political Science	Capitalism and Socialism	capitalism, socialism, public policy
POSC 4000U	Political Science	International Politics and Policy	economic development, developing countries, colonialism, globalization
RADI 4995U	Radiation Science	Thesis Project I	environmental, societal impacts
RADI 4996U	Radiation Science	Thesis Project II	environmental, societal impacts
SSCI 1300U	Social Science	Social Problems	political and social problems, justice, equality, critical look at gender, race, class, and age, barrier to achievement
SSCI 1470U	Social Science	Impact of Science and Technology on Society	controversial issues, toxic substance clean-up, environmental impact assessment
SSCI 1700U	Social Science	Reading Our World	ecological crisis, globalization, social messages, social issues
SSCI 2020U	Social Science	Issues in Diversity	diversity, race, gender, sexual orientation, education, employment, housing, barriers to equity
SSCI 3300U	Social Science	Community Connections	community agents, activists, social issues
SOCI 1000U	Sociology	Introductory Sociology	social problems, social groups

ENSY 3840U	Sustainable Energy Systems	Fuel Cell and Hydrogen Systems	fuel cell thermodynamics, environmental performance of fuel cells, storage methods
ENSY 4400U	Sustainable Energy Systems	Electric Power Systems	energy conservation, efficiency,
ENSY 4500U	Sustainable Energy Systems	Geo-Engineered Systems	geothermal applications, electricity generation, address climate change
ENSY 4530U	Sustainable Energy Systems	Hydroelectric Power Systems	environmental impacts
ENSY 4620U	Sustainable Energy Systems	Smart Grids	smart grids, digitizing electric grid, manage consumption of energy
ENSY 4700U	Sustainable Energy Systems	Energy Policy, Standards and Safety	energy supply, energy poverty, anticipated global trends of demand and supply
Total			70