

Tulane University Degree Programs with Sustainability Learning Outcomes

Major	Degree	Sustainability Learning Outcome
A.B. Freeman School of Business		
Master of Business Administration	MBA	
Master of Business Administration	EMBA	<p>Students learn to understand and apply core management fundamentals and to develop conceptual foundations of the business disciplines. Within the curriculum, students learn the theoretical domains that undergird applied advanced management knowledge. Students learn the role of each of the functional area disciplines and how these apply to the individual business-building activities common to most organizations: accounting, marketing, finance, and management. Specific skills gained in this broad-based, foundational curriculum include: 1) the ability to read and understand financial statements; 2) an understanding of the integral functions of the marketing task and development of a toolkit for analyzing the marketing challenges facing organizations 3) a sound understanding of corporate finance and an understanding of the firm's capital structure and financial choices; 4) an understanding of how to link a firm's human resources strategy to a business unit's strategy; 5) understanding of the basic legal issues affecting business decisions to become a more legally astute manager; 6) stimulation and development of ethical and socially responsible business leadership.</p>

Master of Business Administration	IEMBA	
Master of Finance	MFIN	
Master of Finance	IMFIN	
Doctor of Philosophy	Finance, Management	
Doctor of Philosophy	Latin American PhD	
Bachelor of Science in Management	Accounting, Consumer Behavior/Marketing, Finance, Legal Studies, Management	5. Freeman BSM students will be socially responsible individuals. Undergraduate students at Tulane University are required to take at least two courses with an experiential service learning component that satisfies the Newcomb-Tulane College core curriculum public service requirement. Two BSM core classes [Business TIDES (TIDB 101, 102 & 111) and MCOM 301] as well as some business electives satisfy the experiential public service requirement. Social responsibility is also covered in LGST 301.
Master of Management		
Master of Global Management		
Master of Risk Management		3. Energy Risk/Trading Knowledge – Freeman MRISK students will have knowledge of a wide range of energy-related topics including major policy issues, energy economics and markets, energy production and regulation, sustainable development and energy technology. They will have hands on experience in energy trading techniques, including technical analysis, electronic trading algorithms and the trading of energy derivatives in the area of energy finance, valuations, planning and credit/risk management.
Master of Accounting		
School of Continuing Studies		

Applied Business Studies	AA	
Applied Computing Systems and Technology	AS/BS	
Casino Resort Studies	AA/BA	
Digital Design	AA/BA	
Homeland Security	BA/MPS	
Human Resource Development	AA	
Humanities	BA	
Journalism	AA/BA	
Marketing	AA	
Liberal Arts	MLA	
Media Arts	AA/BA	
Paralegal Studies	AA/BA	
Public Relations	AA/BA	
Small Business Development	AA	
Social Science	BA	
Website Development	AA/BA	
School of Liberal Arts		
African and African Diaspora Studies	BA	1. Synthesize theory and praxis of service-learning in the city of New Orleans, specifically, within local black communities.
American Studies	BA	
Anthropology	BA/BS	
Anthropology	MA	
Anthropology	PhD	
Art History	BA	
Art History	MA	

Asian Studies	Coordinate Major	
Brazilian Studies	Minor	
Classical Studies	BA	
Classical Studies	MA	
Cognitive Studies	Coordinate Major	
Communication	BA	
Dance	BA	
Dance	Bachelor of Fine Arts	
Digital Media Production	Coordinate Major	
Economics	BA	
Economics	BS	
Economics (Policy Economics)	MA	
English	BA	
English	MA	
Environmental Studies	BA	<p>2. Demonstrate and apply detailed understanding of specific case studies in the distribution and conservation of living things; history of landscapes and seascapes; built environments; environmental thought, practice, and policy; and civic engagement and local environments, as assessed in oral presentations and class discussions, written assignments and term papers, and exams. 4. Develop an awareness for the complex relationships between people and the environments in which they live, and an appreciation for the ways that environmental conditions and environmental changes affect and are affected by human activity and cultural practices.</p>
Fim Studies	BA	
French	BA	
French Studies	MA	

Gender and Sexuality Studies	BA	1. Identify and explain specific aspects or dynamics of sexual and/or gender inequality. Use a gender and/or sexuality lens to analyze/critique a text (defined broadly).
German Studies	BA	
Greek	BA	
History	BA	
History	MA	
History	Doctor of Philosophy	
Interdisciplinary	Doctor of Philosophy	
International Development	Coordinate Major	1. Concepts & Strategies: Students will apply key concepts, principles and strategies in the discipline of international development and gain knowledge in a sub-discipline (law and international development, sustainable human development, disaster management, energy and environment, governance and vulnerable populations, capacity building and information technology).
Italian	BA	
Italian Studies	BA	
Jewish Studies	BA	
Latin	BA	
Latin American Studies	BA	
Latin American Studies	MA	
Latin American Studies	Doctor of Philosophy	
Latin American Studies and Art History	Doctor of Philosophy	
Linguistics	BA	
Linguistics	BS	
Medieval and Early Modern Studies	BA	
Music	BA	

Music Science and Technology	BA	
Jazz Studies	Bachelor of Fine Arts	
Musical Composition	Bachelor of Fine Arts	
Musical Performance	Bachelor of Fine Arts	
Musical Theatre	Bachelor of Fine Arts	
Music Science and Tehcnology	Master of Arts	
Music (Musicology, Composition)	Master of Arts	
Music (Performance)	Master of Fine Arts	
Philosophy	BA	
Philosophy	MA	
Philosophy	Doctor of Philosophy	
Political Economy	BA	
Political Science	BA	
Political Science	MA	
Portuguese	BA	
Religious Studies	BA	
Russian Language and Literature	BA	
Russian Studies	BA	
Social Policy and Practice	Coordinate Major	
Sociology	BA	
Sociology	MA	
Sociology	Doctor of Philosophy	
Spanish	BA	
Spanish and Portuguese	BA	
Spanish and Portuguese	MA	

Spanish and Portuguese	Doctor of Philosophy	
Studio Art	BA	
Studio Art	Bachelor of Fine Arts	
Art Studio	Master of Fine Arts	
Teacher Preparation and Certification		
Theatre	BA (Design)	
Theatre	BA (Performance)	
Theatre	BFA (Design)	
Theatre	BFA (Performance)	
Theatre	Master of Fine Arts	
Theatre	All Theatre degrees	
Urban Studies	Coordinate Major	
School of Science and Engineering		
Biological Chemistry	BS	
Biomedical Engineering	BS Engineering	
Biomedical Engineering	MS	
Biomedical Engineering	Doctor of Philosophy	
Cell and Molecular Biology	BS	
Cell and Molecular Biology	MS	
Cell and Molecular Biology	Doctor of Philosophy	
Chemistry	BS	
Chmistry	MS	
Chemistry	Doctor of Philosophy	
Ecology and Evolutionary Biology	BS	
Ecology and Evolutionary Biology	MS (Non-thesis)	

Ecology and Evolutionary Biology	MS (Thesis)	
Ecology and Evolutionary Biology	Doctor of Philosophy	
Engineering Physics	BS Engineering	3 Ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability 8 Broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
Environmental Biology	BS	1 Demonstrate basic factual knowledge of organismal biology, with an emphasis on environmental biology including an understanding of the principles and theories of global change biology and conservation biology.
Environmental Biology	MS	1 To demonstrate mastery of general knowledge in Environmental Biology.
Environmental Science	BS	2. Students will be able to explain common earth surface processes and their role in shaping the landscape, and describe the interaction and interdependence of the geologic environment and human activity at the societal level 3. Students will understand biological and ecological effects of environmental issues, including climate change, atmospheric pollution, community stability, habitat fragmentation, and loss of biodiversity. 4. Students will understand the processes operating in the earth's atmosphere, including global wind circulation, climate change, and extreme weather events such as tornados and hurricanes
Earth and Environmental Science	MS	

Earth and Environmental Science	Doctor of Philosophy	
Geology	BS	
Mathematics	BS	
Mathematics	MS- Mathematics	
Mathematics	MS- Applied Mathematics	
Mathematics	MS- Statistics	
Mathematics	Doctor of Philosophy	
Neuroscience	BS	
Neuroscience	MS	
Neuroscience	Doctor of Philosophy	
Physics	BS	
Physics	MS	
Physics	Doctor of Philosophy	
Psychology	BS	
Psychology	MS	
Psychology	Doctor of Philosophy	
Psychology and Early Childhood Education	BA	
School of Medicine		
Medicine	Doctor of Medicine	
Biomedical Sciences	MS	
Biomedical Science	Doctor of Philosophy	
Law School		

Law	Juris Doctor	2. Students can use their knowledge of the law to create policy, to find alternative solutions to difficult problems, and to affect positive change 6. Students can demonstrate an understanding of their obligation to provide pro bono legal service to the local, national and international community.
Law	JD/MA	2. Students can use their knowledge of the law to create policy, to find alternative solutions to difficult problems, and to affect positive change 6. Students can demonstrate an understanding of their obligation to provide pro bono legal service to the local, national and international community.
Law	JD/MACCT	2. Students can use their knowledge of the law to create policy, to find alternative solutions to difficult problems, and to affect positive change 6. Students can demonstrate an understanding of their obligation to provide pro bono legal service to the local, national and international community.
Law	JD/MBA	2. Students can use their knowledge of the law to create policy, to find alternative solutions to difficult problems, and to affect positive change 6. Students can demonstrate an understanding of their obligation to provide pro bono legal service to the local, national and international community.
Law	JD/MHA	2. Students can use their knowledge of the law to create policy, to find alternative solutions to difficult problems, and to affect positive change 6. Students can demonstrate an understanding of their obligation to provide pro bono legal service to the local, national and international community.

Law	JD/MPH	2. Students can use their knowledge of the law to create policy, to find alternative solutions to difficult problems, and to affect positive change 7. Students can demonstrate competency in the technical and legal aspects of environmental policy, planning and regulation.
Law	JD/MS	(in International Development) 2. Students can use their knowledge of the law to create policy, to find alternative solutions to difficult problems, and to affect positive change
Law	JD/MSW	2. Students can use their knowledge of the law to create policy, to find alternative solutions to difficult problems, and to affect positive change 8. Students can demonstrate and understanding of social work values and ethics, diversity, promotion of social and economic justice, populations-at-risk, human behavior and the social environment, social work practice, social policy practice, research and field work. 6. Students can demonstrate competency in applied economic analysis, quantitative analysis and research methods, as well as sustainable human development and international political and economic relations.
Master of Laws	LLM	
International Development	MS	1. Concepts & Strategies: Students will demonstrate theoretical and applied knowledge in the field of international development at the masters level: students will gain comprehensive understanding of the economic, environmental, political, social as well as cultural dimensions of sustainable development.

International Development	Doctor of Philosophy	1. Students will master theoretical and applied knowledge in the field of international development at the doctoral level. This includes a comprehensive understanding of economic, environmental, cultural political, and social dimensions of international development and proficient knowledge in a student's area of specialties.
Juridical Science	Doctor of Juridical Science	
School of Architecture		
Architecture	Master of Architecture	13. Human Diversity: Understanding the diverse needs, values, behavioral norms, physical ability, and social and spatial patterns that characterize different cultures and individuals. 14. Accessibility: Ability to design both site and building to accommodate individuals with varying physical abilities. 15. Sustainable Design: Understanding of the principles of sustainability in making architecture and urban design decisions that conserve natural and built resources, including culturally important buildings and sites, and in the creation of healthful buildings and communities.
Architecture	Master of Architecture I	
Architecture	Master of Architecture II	
Preservation Studies	Master of Preservation Studies	4. Community-based service learning: ability to work in a variety of settings and with diverse populations, dedication to preservation activism in the renewal of New Orleans neighborhoods.

	Master of Sustainable Real Estate Dev.	3. Evaluate and provide input on sustainable development practices in building industry as well as comprehensively analyze market data to assess the impact of a proposed development opportunity on the community, the market and the investor. 5. Will have an understanding of the development process and its impact on the cultural, social, environmental, architectural and financial aspects of the built world. 6. Will be able to provide insight and understanding into successful best practices and proven techniques for building in a sustainable and successful manner.
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School of Public Health and Tropical Medicine

Biostatistics	MS	
Biostatistics	MS in Public Health	1. Incorporate knowledge of the core areas of epidemiology, environmental health, health systems management, and the biological, behavioral, social, and cultural aspects of health and disease, in selecting and applying appropriate biostatistical procedures
Biostatistics	Doctor of Philosophy	
Biostatistics/Bioinformatics	MS	
Community Health Sciences	Master of Public Health	1. Assess individual and community needs for public health programs.
Community Health Sciences	Doctor of Philosophy	3. Apply theories and/or evidence based research to design, implement and evaluate community health programs. 2. Demonstrate competence in planning community-based public health programs and research projects. 3. Implement and manage preventive strategies, interventions and programs at the community level. ...

Community Health Sciences	Doctor of Public Health	2. Develop leadership capacity to apply knowledge of demographic, health, familial, socio-cultural, environmental and community factors to the design of public health programs and services.3. Recognize different ethical considerations, strengths, needs, values, and practices of diverse cultural, racial, ethnic, and socioeconomic groups and determine how these factors affect health status, health behaviors, and program design.
Disaster Management	Master of Public Health (DL)	1. Apply scientific principles to prevent, detect and mitigate environmental public health problems and threats locally and globally 2. Conduct public health analyses and investigations for innovative solutions to environmental health issues 3. Investigate and monitor environmental hazards resulting from exposures to hazardous substances in the environment 4. Apply public health science, policy, and practice principles to address the health threats resulting from natural and intentional disasters ...
Environmental Health Sciences	BS in Public Health	
Environmental Health Sciences	Master of Public Health	1. Apply scientific principles to prevent, detect and mitigate environmental public health problems and threats locally and globally 2. Conduct public health analyses and investigations for innovative solutions to environmental health issues 3. Investigate and monitor environmental hazards resulting from exposures to hazardous substances in the environment
Environmental Health Sciences	MS in Public Health	1. Recognize, evaluate, and control environmental health problems 2. Apply environmental health principles to solve public health problems

Environmental Health Sciences	Doctor of Philosophy	1. Design original environmental health research employing, in a multidisciplinary fashion, key areas of science including toxicology, industrial hygiene, global environmental health, environmental oncology, environmental policy, or disaster management. 2. Generate data to address local and global environmental health problems. 3. Collect environmental and health data to assess the impact of hazardous substances on populations and the ecosystem....
Epidemiology	Master of Public Health	
Epidemiology	MS	
Epidemiology	Doctor of Public Health	
Epidemiology	Doctor of Philosophy	
Clinical Research/Epidemiology	MS	
Global and Community Health	BS in Public Health	
Health Communication/Education	Master of Public Health	1. Assess individual and community needs for health education/communication.
Health Informatics	BS in Public Health	
Health Management Systems	Master of Health Administration	5. Assess the impact of health policy on major and diverse community and organizational stakeholders and its implications for organizational response, initiatives, and direction
Health Management Systems	Master of Public Health	3. Health policy development and community engagement: Be able to assess and advocate for the health needs and expectations of groups of major and diverse community stakeholders based on a broad knowledge of population health and health systems and its implications for government, institutional, and community policy formulation

Health Management Systems	Doctor of Science	5. Analyze health services research and health management issues from economic and social perspectives
Health Management Systems	Doctor of Philosophy	3. Health policy development and community engagement: Be able to assess and advocate for the health needs and expectations of groups of major and diverse community stakeholders based on a broad knowledge of population health and health systems and its implications for government, institutional, and community policy formulation.
Medical Management (HSM)	Master of Medical Management	
Industrial Hygiene	MS in Public Health (DL)	1. Use basic scientific and engineering principles to anticipate and identify potential hazards in the workplace 7. Communicate to labor, management, and the community, verbally and in writing, the nature, risks, and remediation of workplace and environmental hazards
Industrial Hygiene	MS in Public Health	1. Recognize, evaluate, and control environmental health problems 2. Apply environmental health principles to solve public health problems. 8. Apply the methods and techniques of analytical chemistry and other measurement sciences to quantify the degree of hazard of identified occupational health stressors 10. Apply principles of engineering in the design of appropriate controls for workplace hazards, with emphasis on general and local exhaust ventilation 13. Communicate to labor, management, and the community, verbally and in writing, the nature, risks, and remediation of workplace and environmental hazards
International Health	Master of Public Health	2. Design population, health, environmental and/or public nutrition programs/projects in the context of national and international policy

International Health and Development	Doctor of Philosophy	1. Identify significant health problems in the international domain that require interdisciplinary research, and teach at the graduate level in schools of public health in his/her area of specialization, whether substantive, regional/geographic, and/or methodological.
Maternal Child Health	Master of Public Health	2. Apply knowledge of demographic, health, familial, socio-cultural, environmental and community factors to the design of MCH programs and services. 3. Recognize different strengths, needs, values, and practices of diverse cultural, racial, ethnic, and socioeconomic groups and determine how these factors affect health status, health behaviors, and program design....
Nutrition	Master of Public Health	2. Identify the major types of nutrition problems in both developed and developing country contexts and the factors that cause them 3. Apply various methods for the nutritional status assessment of populations, including anthropometric, biochemical, clinical, dietary, and ecological methods. 8. Describe the major stages of the policy cycle, including the manner in which public policies affecting the food supply and nutritional status of the U.S. population are formulated and implemented.
Occupational and Environmental Health	Master of Public Health (DL)	2. Identify, characterize and assess the health effects of chemical agent found in the workplace and in the general environment on workers and the general population 8. Design, implement and evaluate primary, secondary and tertiary prevention applications including clinical, behavior and environmental interventions for the protection of worker health

Occupational Health and Safety Management	Master of Public Health (DL)	1. Apply and evaluate the role of the functions of planning, organizing, staffing, leading, controlling and evaluating health and safety programs 4. Integrate skills in environmental and hazardous materials management, emergency planning and response, crisis communications, accident investigation, risk assessments, perception and communication.
Public Health	BS in Public Health	1. Recognize the public health problems of populations on a social and community scale. 2. Describe multidisciplinary and ecological public health issues and concerns.
Tropical Medicine	Master of Public Health and Tropical Medicine	9. Identify and be able to describe the principles of infectious disease transmission in communities, as well as strategies for outbreak control at the community and regional level
Tropical Medicine (Parasitology)	MS in Public Health	1 Describe the basic biology and clinical manifestations of infections caused by parasitic helminths and protozoa, including morphological features, host-parasite interactions, geographic distribution, methods of transmission and control, pathology, and diagnosis. Methods of transmission and control will include vector-borne tropical infectious diseases.
Tropical Medicine (Parasitology)	Doctor of Philosophy	2 Plan, implement, and monitor programs for the control of tropical diseases in endemic areas

School of Social Work

Social Work	Master of Social Work	<p>5. Respect human diversity, and use the strengths of diversity in work with individuals and groups distinguished by ethnicity, culture, class, gender, sexual orientation, religion, physical and mental ability, age, and national origin</p> <p>6. Identify social problems and relate them to necessary social changes through application of knowledge about the causes and consequences of social and economic injustice which have impact on individuals, families, groups, communities, and organizations</p> <p>7. Explain various patterns, dynamics and consequences of discrimination, economic deprivation, and oppression</p> <p>8. Discuss central theories and knowledge about human development in the context of the social and cultural systems in which individuals live..</p> <p>11. Apply an analytic model to selected social welfare policies within the context of historical and contemporary factors that lead to inequitable distributions of material and symbolic resources, and to social and economic injustice.</p> <p>14. Apply critical thinking skills to evaluating a range of theories in terms of their underlying assumptions and their utility in advanced clinical-community social work practice with individuals, families, groups, organizations and communities experiencing developmental, relationship, or environmental distress.</p>
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