

COLLEGE OF GLOBAL SUSTAINABILITY



Changes to Note

Graduate Council approved the changes on the date noted.

Major

Global Sustainability	M.A.	Change Major	10/3/2016
Global Sustainability	M.A.	Change Major – change Sustainable Business Enterprise (SBE) Concentration to Sustainable Business (SBU) ; clarify Peace Corp Wording	3/6/2017

Graduate Certificates

Building Sustainability Enterprise		Change Certificate	5/1/2017
Climate Change and Sustainability		Change Certificate	11/7/2016
Coastal Sustainability		Change Certificate	11/7/2016
Energy Sustainability		Change Certificate	11/7/2016
Food Sustainability and Security		Change Certificate	11/7/2016
Global Sustainability		Change Certificate	11/7/2016
Sustainable Tourism		Change Certificate	11/7/2016
Sustainable Transportation		Change Certificate	5/1/2017
Water Sustainability		Change Certificate	11/7/2016

University of South Florida
Patel College of Global Sustainability
4202 E. Fowler Ave., CGS 101
Tampa, FL 33620

Web address: www.patel.usf.edu

Phone: 813-974-9694

College Dean: Govindan Parayil, Ph.D.

College Information:

The Patel College of Global Sustainability fosters sustainable urban communities and environments through collaborative research, education and community involvement. Its research generates innovations and new knowledge that will help cities around the world, including those in developing countries, reduce their ecological footprint while improving their form and function to make them healthier, more livable and resilient.

The Patel College of Global Sustainability comprises the Patel Center for Global Solutions, the M.A. College of Global Sustainability and the Office of Sustainability. It is an inclusive and holistic school based on interdisciplinary research, design, and education.

Degrees, Majors, Concentrations:

[Master of Arts \(M.A.\)](#)

Global Sustainability (GBS)

Climate Change and Sustainability (CLT)

Coastal Sustainability (COA)

Entrepreneurship (ETR)

Food Sustainability and Security (FOO)

Sustainable Business (SBU)

Sustainable Energy (SUSE)

Sustainable Tourism (SUT)

Sustainable Transportation (STN)

Water (WTR)

GLOBAL SUSTAINABILITY

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Priority Admission Application Deadlines:

Fall:	June 1
Spring:	October 15
Summer:	n/a

International applicant deadlines:

<http://www.grad.usf.edu/majors>

Minimum Total Hours:	30
Level:	Masters
CIP Code:	30.3301
Dept Code:	CS
Major/College Codes:	GBS / CS
Approved	2010

Concentrations:

Climate Change and Sustainability (CLT)
 Coastal Sustainability (COA)
 Entrepreneurship (ETR)
 Food Sustainability and Security (FOO)
 Sustainable Business (SBU)
 Sustainable Energy (SUSE)
 Sustainable Tourism (SUT)
 Sustainable Transportation (STN)
 Water (WTR)

Graduate Certificates Offered:

See Graduate Certificates:

<http://www.usf.edu/innovative-education/programs/graduate-certificates/>

CONTACT INFORMATION

College: Patel College of Global Sustainability

Contact Information: www.grad.usf.edu
www.patel.usf.edu

MAJOR INFORMATION

The Patel College of Global Sustainability fosters sustainable urban communities and environments through collaborative research, education, and community involvement. Its research generates innovations and new knowledge that help cities around the world, including those in developing countries, to reduce their ecological footprint while improving their form and function to make them healthier, more livable, and more resilient.

In this innovative 30 credit hour major, the students will apply their passion for the environment with cutting-edge research and on-the-ground experience. The major offers a multidisciplinary study of the environment and social and economic dimensions of sustainability to enable informed decisions and to create tangible change toward sustainable futures. Upon graduation, the students will be ready for careers in global sustainability that require teamwork and program planning skills to solve sustainability issues in developing and developed nations.

Major Research Areas: Global sustainability, integrated resource management, systems thinking, green communities, entrepreneurship, ecotourism

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements for admission to the major, listed below.

- GPA of at least 3.00 or greater
- At least two letters of recommendation. Official transcripts for degrees earned at institutions other than the University of South Florida
- 250-500 word essay that includes the student's academic and professional background, choice of concentration, reasons for pursuing this degree, and their professional goals in terms of contributing to global sustainability.
- Portfolio – the applicant may provide a portfolio demonstrating prior work that focuses on sustainability
- GRE is not required

English Proficiency Requirement/TOEFL

International applicants from non-English speaking countries or who have not earned a degree in the United States must demonstrate English Proficiency. For specific requirements - http://www.grad.usf.edu/policies_Sect4_full.php#engprof

CURRICULUM REQUIREMENTS

Total Minimum Hours - 30 credits

The M.A. in Global Sustainability degree offers a number of concentrations. Students are required to complete 30 credit hours as follows:

- Core courses – 9 credit hours
- Concentration courses – 9 credit hours
- Electives – 6 credit hours
- Internship/Research – 6 credit hours
- Comprehensive Exam

CORE COURSES – 9 credit hours

IDS 6233	3	Concepts and Principles of Sustainability
IDS 6235	3	Economics and Finance for Sustainability
IDS 6234	3	Systems Thinking: The key to Sustainability

CONCENTRATION REQUIREMENTS - 9 credits

Students select at least one concentration.

Climate Change and Sustainability (CLT)

Choose three of the following courses:

IDS 6208	3	Renewable Power Portfolio
IDS 6222	3	Sustainable Food Energy Water Nexus
IDS 6938	3	Special Topics/Seminars: Climate Change Adaptation and Mitigation
IDS 6938	3	Special Topics/Seminars: Bioresources for a Sustainable Future
PHI 6938	3	Selected Topics in Public Health: Climate Change and Civil Evolution

Coastal Sustainability (COA)

Choose three of the following courses:

IDS 6240	3	Sustainable Coastal Planning Concepts and Principles
IDS6938	3	Special Topics/Seminars: Sustainable Coastal Planning: Strategies and Implementation
IDS 6938	3	Special Topics/Seminars: Climate Change Adaptation and Mitigation
OCE 6085	3	Ocean Policy

Entrepreneurship (ETR)

Choose three of the following courses

ENT 6116	3	Business Plan Development
ENT 6186	3	Strategic Market Assessment
ENT 6930	3	Special Topics in Entrepreneurship: Global Entrepreneurship
IDS 6938	3	Special Topics/Seminars Entrepreneurship with a Social Impact

Food Sustainability and Security (FOO)

Choose three of the following courses:

- IDS 6938 3 Special Topics/Seminars: Future of Food: Environment, Health, and Policy
- IDS 6938 3 Special Topics/Seminars: Sustainable Food Production
- IDS 6938 3 Special Topics/Seminars: Sustainable Food Energy Water Nexus
- PHC 6515 3 Food Safety
- URP 6444 3 Global and Community Food Systems

Sustainable Business (SBU)

- GEB 6457 3 Ethics, Law and Sustainable Business Practices

Choose two of the following courses:

- GEB 6527 3 Lean Six Sigma
- MAR 6336 3 Promotional Management
- or MAR 6936 3 Selected Topics: Sustainable Marketing
- MAR 6466 3 Supply Chain Management

Sustainable Energy (SUSE)

Choose three of the following courses:

- IDS 6207 3 Renewable Transportation Fuels
- IDS 6208 3 Renewable Power Portfolio
- IDS 6210 3 Bioresources for a Sustainable Future
- IDS 6222 3 Sustainable Food Energy Water Nexus

- ECH 5931 3 Solar Energy and Applications
- EEL 6935 3 Sustainable Energy

Sustainable Tourism (SUT)

Choose three of the following courses:

- HMG 6246 3 Organizational Effectiveness in Hospitality
- IDS 6236 3 Sustainable Tourism Development: Principles & Practices
- IDS 6237 3 Ecotourism and Sustainable Tourism Management for Coastal & Marine Habitat
- IDS 6247 3 Climate Change Adaptation and Mitigation
- OCE 6085 3 Ocean Policy

Sustainable Transportation (STN)

Choose three of the following courses:

- TTE 5501 3 Transportation Planning and Economics
- TTE 6651 3 Public Transportation
- TTE 6655 3 Transportation and Land Use
- URP 6711 3 Multimodal Transportation Planning

Water (WTR)

Choose three of the following courses:

- IDS 6222 3 Sustainable Food Energy Water Nexus
- IDS 6245 3 Sustainable Water Resource Management: Doing More with Less
- IDS 6246 3 Water Sensitive Urban design for Sustainable Communities
- IDS 6248 3 Water Resources Planning

Electives for all concentrations - 6 credit hours

Students select two available courses such as the following typically offered:

- ANG 5937 3 Seminar In Anthropology: Climate Change and Development
- ANG 6436 3 Issues in Heritage Tourism
- ARC 5931 3 Special Studies in Architecture: The City
- CGN 6933 3 Special Topics in Civil and Environmental Engineering: Green Engineering for Sustainability

CGN 6933	3	Special Topics in Civil and Environmental Engineering: Green Infrastructure for Sustainable Communities
CGN 6933	3	Special Topics in Civil and Environmental Engineering: Sustainable Transportation
CWR 6305	3	Urban Hydrology
ECH 5785	3	Sustaining the Earth: An Engineering Approach
ECH 5931	3	Special Topics IV: Solar Energy and Applications
EEL 6935	3	Selected Electrical Topics: Sustainable Energy
EIN 6936	3	Special Industrial Topics III: Advanced Lean Six Sigma
ENT 6016	3	New Venture Formation
ENT 6126	3	Strategies in Technology Entrepreneurship
ENT 6415	3	Fundamentals of Venture Capital and Private Equity
ENT 6606	3	New Product Development
ENT 6947	3	Advanced Topics in Entrepreneurship
ENV 6510	3	Sustainable Development Engineering
ENV 6667	3	Environmental Biotechnology
EVR 6216	3	Advances in Water Quality Policy and Management
EVR 6320	3	Environmental Management
EVR 6937	3	Seminar in Environmental Policy: Environmental Policy and the Built Environment
EVR 6937	3	Seminar in Environmental Policy: Sustainability and Development
GIS 5049	3	GIS for Non-Majors
GIS 6100	3	Advanced Geographic Information Systems
GIS 6355	3	Water Resources Applications of GIS
GLY 6739	3	Selected Topics in Geology: The Anthropocene
MAR 6936	3	Selected Topics: Sustainable Marketing
OCE 6934	3	Selected Topics in Oceanography: Marine Aquaculture
OCE 6934	3	Selected Topics in Oceanography: Port Sustainability
PAD 6355	3	Urban Growth Management
PAD 6336	3	Community Development Programs and Strategies
PHC 6934	3	Selected Topics in Public Health: Global Issues in Environment and Health
URP 6930	3	Special Topics in Urban and Regional Planning: Environmental Policy and the Built Environment
URP 6422	3	Environmental Planning Issues in Coastal Communities
URP 6930	3	Special Topics in Urban and Regional Planning: GIS Planners

Note* Other courses in global sustainability may be substituted for these electives as approved by the Graduate Director.

Internship/Research Requirement

Choose one of the following:

- IDS 6946 6 Sustainability Internship
- IDS 6398 6 Special Topics/Seminars: Capstone Research Project

The required 6 credit Internship or Research Project will be completed in the student's last semester

Note- for Returned Peace Corps Volunteers (RPCV) in the Peace Corps Coverdell Fellows Program, the required 6 credit hour internship will be fulfilled by completing part or all of the required internship course (IDS 6946) locally or nationally.

Comprehensive exam

The Internship or research report serves as the program's comprehensive exam. As part of this process students write a final report and deliver a presentation based on their internship work or research project.

COURSES

See <http://ugs.usf.edu/course-inventory/>

GLOBAL SUSTAINABILITY AND ENTREPRENEURSHIP IN APPLIED TECHNOLOGIES CONCURRENT DEGREES

Master of Arts in Global Sustainability (M.A.) Degree and Master of Science in Entrepreneurship in Applied Technologies (M.S.)

DEGREE INFORMATION

Refer to individual Majors for deadlines
Minimum Total Hours: 30/30
Level: Masters
CIP Code: 30.3301/
Dept Codes: CS/MAN
Major/College Codes: GBS/CS & EAT/BA

CONTACT INFORMATION

Colleges: Business and
Global Sustainability
Departments: Center for Entrepreneurship
and Global Sustainability
Contact Information: www.grad.usf.edu
Other Resources: www.Patel.usf.edu
www.entrepreneurship.usf.edu
entrepreneurship@usf.edu

MAJOR INFORMATION

The Concurrent Degrees in Global Sustainability and Entrepreneurship combine two existing majors which allows students to attain two Master's degrees simultaneously rather than in a sequential effort. The time commitment will be about three years with a total of 51 credit hours between the two majors (9 hours are shared). The combination of a Master's in Global Sustainability with a Master's in Entrepreneurship provides students with a comprehensive understanding of concepts, tools, and skills of sustainability, and students will be able to apply these areas in a problem solving context. Students shall have the opportunity to focus on the areas of green technology and development, transport, energy, and sustainable enterprise.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements for each major. Students must satisfy the requirements for the two degrees separately. Refer to the individual major listings for the specific requirements for each degree.

CURRICULUM REQUIREMENTS

Listed below are the 9 hours of shared courses. Please refer to the specific major listings for full requirements. All graduation requirements of the individual programs apply.

Common Courses (9 credits may be counted toward both the GS and EAT degrees)

ENT 6016	3	New Venture Formation
ENT 6116	3	Business Plan Development
GMS 6095	3	Principles of Intellectual Property
ENT 6186	3	Strategic Market Assessment
ENT 6947	3	Applied Topics in Entrepreneurship
ENT 6606	3	Product Development
ENT 6415	3	Venture Capital and Private Equity

All Concurrent Master's in Global Sustainability and Entrepreneurship students must complete ENT 6016 (New Venture Formation), ENT 6186 (Strategic Market Assessment) and ENT 6947 (Applied Topics in Entrepreneurship).

Internship

All Concurrent Master's in Global Sustainability and Entrepreneurship students must complete a six (6) credit hour internship.

COURSES

See <http://www.ugs.usf.edu/course-inventory/>