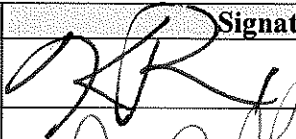


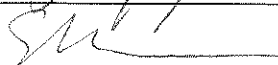


College of Public Health Curriculum Approval Tracking Form

Item	Type		Delivery		
	New	Revised	Online*	Blended	Live
Course					
Concentration					
Certificate	✓		✓		
Program/Degree					

Justification Statement: *If you are creating a new online component or making a substantive change that moves an on campus component to online you must complete the justification statement below.

Justification Statement (for online components only):

Date	Action	Signature
3/12/15	Approved by Associate Dean of Academics	
	Approved by Chair of Department Curriculum Committee	
	Approved by Chair of Department	
3/7/18	Approved by Chair of COPH Curriculum Committee	
	Sent to USF Graduate Studies Curriculum Committee	

Comments: _____

Curriculum Committee will not act on any proposal without this form attached. The COPH Academic and Student Affairs team will make the appropriate copies and electronically deliver the documents to USF Graduate Studies. At that time the documents will be entered into Share Point and tracked electronically.



UNIVERSITY OF
SOUTH FLORIDA

Graduate Curriculum Approval Form New Graduate Certificate Proposal

Name of Graduate Certificate
CIP Code
Proposed Effective Term (e.g Fall 2018)

Toxicology
51.2201
Fall 2018

Contact Information	Name	Phone	Email	Location	Mail Point
Grad Cert Director	Ira Richards	813-974-6630	irichard@health.usf.edu	COPH	MDC 56
Advisor	Marie Bourgeois	813-974-6633	mbourgeo@health.usf.edu	COPH	MDC 56
Admin Asst.					

APPROVALS	Name	Signature	Action	Date
Dept. Chair	THOMAS WANNASCH		<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Not approved <input type="checkbox"/> Comments attached	3/7/18
School Committee Chair (if applicable)			<input type="checkbox"/> Approve <input type="checkbox"/> Not approved <input type="checkbox"/> Comments attached	
College Committee Chair (if applicable)	Steve Mlynarek		<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Not approved <input type="checkbox"/> Comments attached	3/7/18
College Dean/ Associate Dean	Kay Perrin		<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Not approved <input type="checkbox"/> Comments attached	3/12/18
Concurrence*	Dept: Chair:		<input type="checkbox"/> Not Applicable <input type="checkbox"/> Concurs <input type="checkbox"/> Doesn't concur <input type="checkbox"/> Comments attached	
Grad Council	<input type="checkbox"/> Approve <input type="checkbox"/> Not approved <input type="checkbox"/> Tabled <input type="checkbox"/> Comments	Graduate Studies	<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove	

Academic Requirements:

Total Credit Hours Required	14
Target Implementation Date	Fall 2018
Time limit for Completion	2 years
Expected Enrollment	10-15 annually

CURRICULUM – list required courses.

Prefix/Number	Title	Credits	Faculty Member	Delivery Method	Required or Elective	New or Existing	Part of Other Grad Cert?	Part of a Major?
HSC 6556	Pathobiology of Human Disease I	3	Richards	online	R	E	N	Y
PHC 6310	Environmental and Occupational Toxicology	3	Richards	Online	R	E	N	Y
PHC 6369	Industrial Toxicology	2	Richards	Online	R	E	N	N
PHC 6325	Environmental Laboratory Principles	3	Jaward	Online	R	E	N	N
PHC 6307	Principles of Exposure Assessment & Control	3	Salazar	online	R	E	N	N

Course Location /Delivery:

The Certificate is offered fully online.

Brief Description (give highlights about the Certificate; value added; etc.)

This online Graduate Certificate in Toxicology is designed to introduce post-baccalaureate students to fundamental concepts in the discipline of toxicology. This certificate program will advance the knowledge of current professionals in fields related to occupational health and environmental health, and will prepare students with the intention of pursuing a graduate level degree in these fields. Students will apply concepts in the science of toxicology to issues of occupational and environmental health regulations, hazardous materials safety, chemical related illness, and exposure assessment.

Credit toward graduate major: Up to 12 hours of graduate courses for a certificate may be applied to a graduate major with departmental approval.

Transfer Credit: Non-degree seeking students and transfer students may apply one graduate course to a Graduate Certificate with department approval.

Standardized Tests: International students must submit a TOEFL score when English is not the native language. A minimum score of 550 on the paper-based test or 79 on the web-based test is required.

Admission Requirements:

Degree: Applicants must hold a bachelor's degree in a science-based field (e.g. life science, natural science, and engineering) from a regionally accredited institution with a minimum 3.0 GPA.

GPA: 3.0

Pre-requisite courses (list specific course or a certain number of credits in a discipline): one course undergraduate level chemistry.

Application Process:

- x Official Transcripts
- x Resume
- x Letter of Interest
- Other

Registration Process:

- First, consult with the Certificate Advisor and obtain an electronic course permit if necessary. Then go to www.bit.ly/USF-oasis, the link to OASIS, USF's on-line registration system.
- Follow directions given online.
- To access online course materials, students must have the USF NetID (e-mail account).
- Please visit: www.bit.ly/USF-ID to obtain the NetID.
- New Students, including those studying online, may obtain the USF Card
- Please visit www.bit.ly/USF-card to obtain the USFCard

Tuition and Fees: (text for this area will be inserted based on the type of certificate selected from the drop-down list below)

Financial Aid: Non-degree seeking students are not eligible for financial aid. Please contact private lenders for information on the types of student loans available.

JUSTIFICATION

Purpose: Describe the nature of the graduate certificate program, its primary goals, why it is needed and how it is unique.
Education of public health professionals in toxicology provides society with public health professionals who can contribute to the prevention and control of adverse effects of chemical exposures.

Benefits: Describe how this graduate certificate will benefit students, the department, the university and the community
it embodies the principles of prevention in public health and addresses the needs of industry, government and public health for their employees to be educated in the many aspects of safeguarding human and environmental health.

Marketing/Outreach: Describe your target market.
Students looking to make themselves more attractive candidates for employment.
Public Health and other professionals interested in advancing their career.

Competition: List other schools where a similar program is offered and how the courses are delivered, i.e. traditional, partially online, fully online, alternative calendar, etc.

University	Location	Name of Grad Cert	Delivery Method
University of Florida	Gainesville, FL	Clinical Toxicology	online
University of Florida	Gainesville, FL	Forensic Toxicology	online
Michigan State University	Lansing, MI	Food Safety and Toxicology	online

Funding: On a separate sheet, detail costs associated with the start-up and operation of the proposed graduate certificate (faculty, staff, equipment, space etc.). Attach a letter of resource support from your department chair/college dean to the signed proposal.

These courses already exist so no additional cost is expected.

Once College has approved, scan and email this Approval Form in PDF to Graduate Studies by the deadline posted online <http://www.grad.usf.edu/graduate-council.php> . For questions, contact cdh@usf.edu

Toxicology

DESCRIPTION

This online Graduate Certificate in Toxicology is designed to introduce post-baccalaureate students to fundamental concepts in the discipline of toxicology. This certificate program will advance the knowledge of current professionals in fields related to occupational health and environmental health, and will prepare students with the intention of pursuing a graduate level degree in these fields. Students will apply concepts in the science of toxicology to issues of occupational and environmental health regulations, hazardous materials safety, chemical related illness, and exposure assessment.

COURSE LOCATION/DELIVERY

The Certificate is offered fully online

ADMISSION REQUIREMENTS

Applicants must hold a bachelor's degree in a science-based field (e.g. life science, natural science, and engineering) from a regionally accredited institution with a minimum 3.0 GPA.

APPLICATION PROCESS

To learn about the application process, and to access the application, please review our [application process](#).

PREREQUISITES

One course in college level chemistry.

REQUIREMENTS

14 credit hours

- HSC 6556 – Pathobiology of Human Disease I (3)
- PHC 6310 – Environmental and Occupational Toxicology(3)
- PHC 6369 – Industrial Toxicology (2)
- PHC 6325 – Environmental Laboratory Principles (3)
- PHC 6307 – Principles of Exposure Assessment & Control (3)

ELECTIVES

None

TIME LIMIT FOR COMPLETION OF CERTIFICATE

Per University Policy, all Certificates have a five year time limit; however, the approximate time to complete the Certificate is two years.

CREDIT TOWARD GRADUATE DEGREE

Up to 12 hours of certificate course credits may be applied to a graduate degree with departmental approval.

STANDARDIZED TESTS

International students must submit a TOEFL score when English is not the native language. A minimum score of 550 on the paper-based test or 79 on the web-based test is required.

CONTACTS

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813-974-6633

send email

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813-974-6630

Send email

Pre-Admissions Advising - Public Health

send email

Graduate Certificates

813-974-4926

send email

Department Website