

These top fields will be completed by the SGOCE office.

Academic Year: \*2022-23

SGOCE#: 10 21

## **New Graduate Course Proposal**

Form	Proced	uro

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To access the saved form fo Pending/Drafts under My Form		iting or to finalize subm	nission visi	t forms.fitchburgstate.edu	to log in and view your
Course Title					
Course Title:	*	Internet of Things and	d Smart Ci	ties	
Proposed Banner Abbreviation	: *	IoTSM			
	ŧ	Banner limit of 30 characte	rs, including	punctuation, spaces, and spe	cial characters.
Department/Comm	itte	ee Information			
The main contact person for th	e Gra	aduate Curriculum Com	nmittee sh	ould fill out this form.	
Requestor Name:	r	in Chataut			•
Members of the Graduate Curriculum Committee:					^ y
Department / Unit Developing:	;	*Computer Science	$\nabla$		
Chair of Department for Progra	am:	Brady Chen	$\overline{\nabla}$	Chair Email:	*Brady Chen xchen@fitchburgs
Academic Dean of Department or Program:		*Margaret Hoey	$\overline{\lor}$	Academic Dean E-mail:	* <dr. hoey=""> mhoey@fitchburg 🗸</dr.>
Program Chair		The Program Chair for *© Yes C No	r this requ	est is among the people li	sted above.
Course Information	1				
Course Description					
widely discussed technology such as Wi-Fi, Bluetooth, NFC research and application of Ic infrastructure management ir art city initiatives worldwic course will introduce students components, applications, an	world C, or oT. Id of urb de th s to a d cha	dwide where embedded other technologies. Incorn is expected to transfoan and rural areas, tranat can combat the strana wide range of topics iallenges. IoT network of the stranatory is expected.	I devices in dustry, aca form many nsportation in of city gin the broadingering	nteract with remote object idemia, and government a areas of our lives, includi n, robotics, and agricultur rowth, from traffic contro id areas of IoT, including g concepts and some key	
Rationale and expected outco	mes	of offering the Course			
After studying this course, st Understand general cor State the technological Describe the impact of Understand IoT Networ Understand Smart Obje Understand IoT Connect Understand IoT Securit Understand IoT Use Ca: Describe Smart and Coi	trent trent IoT o k Ard ects ( ctivity y ses 8	ts of IoT ds which have led to Io on society chitecture and Design (Things in IoT) y & Applications	òΤ		

Discipline Prefix or Prefixes:		CSC	Brief rationale if more than one prefix:	
Level of Course:		*C 7000 © 8000 C 9000	Brief rationale for level choice::  Topics course	
The course will be:		☐ Requirement ☐ Elective	Elective or Requirement Note/Special:	
Is there a similar undergraduate	course?	*C Yes		
Does this course affect offerings other department or program?	s in any	*C Yes • No		
Course Enollment				
Expected Average Enrollment:		20		
This course is a replacement for	:	Course # / Name		
Has the course been offered pre as a "Topics" course?	eviously	* Yes	How often / when was it offered as a Topics course? Summer 2021 and Summer 2022	
Is this an Extended Campus Co	urse?	*C Yes		
Which semester will this course be offered for the first time?:		2023	How often thereafter to be offered?: Yearly	
Course Requirements				
Prerequisite course(s) if any:	-	· · · · · · · · · · · · · · · · · · ·		
Additional Requirements	Laborato	ry Hours:	Fieldwork Hours:	
	Pre-Pract	ticum Hours:	Practicum Hours:	
Other Requirements (specify):				
Syllabus Upload				
New Course Syllabus Upload:		Syllabus C	CSC 8040.docx	
Signatures				
Click on the <b>Submit Form</b> butt You should receive an email con				
3831343 Robin Chataut		6/2022		
Requester Signature	Dat			
Xuzhou Chen	02/1	6/2022		
Department Chair Approval3131313	Dat 3131	e		
Margaret Hoey Academic Dean Signature	Dat	8/2022 e		
Becky Copper Heng SGOCE Dean Signature		8/2022 e		
Approval of the Graduate Counc	cil D	ate	<u> </u>	

Approval of the President	Date
Notification	
Reviewed by the Registrar:	
Reviewed by the Library:	
normal by the mistary.	
GOCE Admin Assistant	
GOCE Admin. Assistant   Electronically ignature	signed by Denise Bertrand on 02/17/2022 9:13:23 AM
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