UNIVERSITY
AT ALBANY
State University of New York

Senior Vice President for Academic Affairs & Provost

November 6, 2014

Elizabeth L. Bringsjord
Interim Provost and Vice Chancellor
State University of New York
System Administration
State University Plaza
Albany, NY 12246

Dear Dr. Bringsjord,

On behalf of the faculty at the University at Albany, I am pleased to submit a proposal to revise our BS degree in Computer Science and Applied Mathematics. By way of this proposal we seek to change its structure to one that includes concentrations, General and Data Analytics.

This revision has been fully considered and approved through our campus governance system. Should there be a need for additional information or clarification to facilitate processing, please contact Suzanne Freed, Assistant Vice Provost for Undergraduate Education at sfreed@albany.edu.

Thank you for your consideration and assistance.

Sincerely,

R. Timothy Mulcahy
Interim Senior Vice President for Academic Affairs and Provost

Enclosure

c. Dr. Jeanette Altarriba, Vice Provost and Dean for Undergraduate Education
Dr. Sue Faerman, Dean, College of Computing and Informatics
Dr. Elga Wulfert, Dean, College of Arts and Sciences
Ms. Suzanne Freed, Asst Vice Provost for Undergraduate Education

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SUNY The State University of New York

Program Revision Proposal: Changes to an Existing Program

Form 3A

SUNY approval and SED registration are required for many changes to registered programs. To request a change to a registered program leading to an undergraduate degree, a graduate degree, or a certificate that does not involve the creation of a new program, a Chief Executive or Chief Academic Officer must submit **a signed cover letter and this completed form** to the SUNY Provost at program.review@suny.edu.

Section 1. General Information	
a) Institutional Information	1. Institution Name: **University at Albany, State University of New York** 2. Institution's 6-digit SED Institution Code: **210500** 3. Institution's Address: **1400 Washington Avenue, Albany, NY 12222** 4. *Additional Information: Specify each campus and its 6-digit SED Institution Code where the program is registered and where the proposed changes would apply.*
b) The Registered Program to be Changed	**1.** Program title: **Computer Science and Applied Mathematics** 2. Award (e.g., B.A., M.S.): BS 3. Number of Required Credits: Minimum [120] If tracks or options, largest minimum [ ] **4.** HEGIS Code: **0701.00** **5.** SED Inventory of Registered Programs (IRP) 5-digit Program Code: **80171** 6. Anticipated **effective date of the change** in the program(s) (mm/dd/yyyy): 08/27/2014 7. If the current program(s) must remain registered until enrolled students have graduated, the anticipated **effective date by which continuing students will have completed the current version of the program(s)**: n/a
c) Contact Person for This Proposal	Name and title: Suzanne K Freed Asst Vice Provost for Undergraduate Education Telephone: 518-242-6046 E-mail: sfreed@albany.edu
d) CEO (or designee) Approval	**Signature affirms that the proposal has met all applicable campus administrative and shared governance procedures for consultation, and the institution's commitment to support the program as revised.** Name and title: R. Timothy Mulcahy, Ph.D. Interim Senior Vice President for Academic Affairs and Provost Signature and date: R. Timothy Mulcahy
	If the revised program will be registered jointly with one more other institutions, provide the following information for each partner institution. The signature confirms support of the changes.
	Partner institution's name: Name and title of partner institution's CEO: Signature of partner institution's CEO (or **append** a signed letter indicating approval of this proposal):

Version 2013-10-21

Section 2. Requested Changes.

Section 2.1. Changes in Program Content

a) Check all that apply. Describe each proposed change and why it is proposed.

[ ] Cumulative change from SED's last approval of the registered program of one-third or more of the minimum credits required for the award (e.g., 20 credits for associate degree programs, 40 credits for bachelor's degree programs)
[ ] Changes in a program's focus or design
[X]**Adding or eliminating one or more options, concentrations or tracks**
[ ] Adding or eliminating a requirement for program completion (such as an internship, clinical placement, cooperative education, or other work or field-based experience)
[ ] Altering the liberal arts and science content in a way that changes the degree classification of an undergraduate program, as defined in Section 3.47(c)(1-4) of Regents Rules

b) Provide a side-by-side comparison of all the courses in the existing and proposed revised program that clearly indicates all new or significantly revised courses, and other changes.

Current BS CSMAT		**Proposed BS CSMAT**	
		Students complete all Core courses plus one of the two concentrations	
		Core courses	
I CSI 201	**Introduction to Computer Science**	I CSI 201	**Introduction to Computer Science**
ICSI 210	**Discrete Structures**	ICSI 210	**Discrete Structures**
ICSI 310	**Data Structures**	ICSI 310	**Data Structures**
ICSI 333	**Programming at the Hardware Software Interface**	ICSI 333	**Programming at the Hardware Software Interface**
ICSI 403	**Algorithms and Data Structures**	ICSI 403	**Algorithms and Data Structures**
A MAT 111/112/118	**Algebra and Calculus II, Calculus 1, Honors Calc 1**	A MAT 111/112/118	**Algebra and Calculus II, Calculus 1, Honors Calc 1**
AMAT 113/119	**Calculus II /Honors**	AMAT 113/119	**Calculus II /Honors**
AMAT 214	**Calculus of Several Variables**	AMAT 214	**Calculus of Several Variables**
AMAT 220	**Linear Algebra**	AMAT 220	**Linear Algebra**

		General Concentration	**(Original requirements)**
ICSI 311	**Principles of Programming Languages**	ICSI 311	**Principles of Programming Languages**
ICSI 401	**Numerical Methods for Digital Computers**	ICSI 401	**Numerical Methods for Digital Computers**
ICSI 402	**Systems Programming**	ICSI 402	**Systems Programming**
ICSI 404	**Computer Organization**	ICSI 404	**Computer Organization**
ICSI 409	**Automata and Formal Languages**	ICSI 409	**Automata and Formal Languages**
AMAT 367	**Discrete Probability**	AMAT 367	**Discrete Probability**
AMAT 300+ elective		AMAT 300+	
AMAT 300+ elective		AMAT 300+	
AMAT 300+ elective		AMAT 300+	
ICSI 300+ elective OR APHY 353 or 454 OR APHI 432		ICSI 300+ elective OR APHY 353 or 454 OR APHI 432	
ICSI 300+ elective OR APHY 353 or 454 OR APHI 432		ICSI 300+ elective OR APHY 353 or 454 OR APHI 432	
		Data Analytics Concentration	(New alternative)
		ICSI 402 or 418	**Software Engineering**
		ICSI 410	**Introduction to Databases**
		ICSI 431	**Data Mining**
		ICSI 451	**Bayesian Data Analysis and Signal Processing**
		ICSI 490	**Internship in Computer Science**
		AMAT 308 OR 362	**Topics in Stat. Inference /Probability for Statistics**
		AMAT 367 OR 363	**Discrete Probability/Statistics**
		AMAT 464	**Applied Stochastic Processes**
		AMAT 465	**Applied Statistics**
		AMAT/ICSI 300+/Science	
		AMAT/ICSI 300+/Science	

a) For each new or significantly revised course, **provide** a syllabus at the end of this form, and, on the ***SUNY Faculty Table*** provide the name, qualifications, and relevant experience of the faculty teaching each new or significantly revised course. NOTE: *Syllabi for all courses should be available upon request. Each syllabus should show that all work for credit is college level and of the appropriate rigor. Syllabi generally include a course description, prerequisites and corequisites, the number of*

lecture and/or other contact hours per week, credits allocated (consistent with SUNY policy on credit/contact hours), general course requirements, and expected student learning outcomes.

No new courses

b) What are the additional costs of the change, if any? If there are no anticipated costs, explain why.

Recent 2020 hires allow for this version of the major to be offered.

Section 2.2. Other Changes

Check all that apply. Describe each proposed change and why it is proposed.

[ ] Program title
[ ] Program award
[ ] Mode of delivery
NOTES: *(1) If the change in delivery enables students to complete 50% of more of the program via distance education, submit a Distance Education Format Proposal* as part of this proposal. *(2) If the change involves adding an accelerated version of the program that impacts financial aid eligibility or licensure qualification, SED may register the version as a separate program.*
[ ] Format change(s) (e.g., from full-time to part-time), based on SED definitions, for the **entire** program
1) State proposed format(s) and consider the consequences for financial aid
2) Describe availability of courses and any change in faculty, resources, or support services.
[ ] A change in the total number of credits in a certificate or advanced certificate program
[ ] Any change to a registered licensure-qualifying program, or the addition of licensure qualification to an existing program. **Exception:** Small changes in the required number of credits in a licensure-qualifying program that do not involve a course or courses that satisfy one of the required content areas in the profession.

Section 3. Sample Program Schedule

a) For **undergraduate programs**, complete the ***SUNY Undergraduate Sample Program Schedule*** to show the sequencing and scheduling of courses in the program. If the program has separate tracks or concentrations, complete a ***Sample Program Schedule*** for each one.

SUNY Undergraduate Sample Program Schedule

Campus Name	**University at Albany**
Program/Track Title and Award	**BS Computer Science and Applied Mathematics , General Concentration**

	Semester	Quarter	Trimester	Other
Calendar Type	X			

SUNY Transfer Path Name (if one exists) <----- Use Dropdown Arrow.

KEY **Course Type: Required (R), Restricted Elective (RE), Free Elective (FE). Course Credits: Number of Credits for individual course (Enter number.) GER Area: SUNY General Education Requirement Area (Enter Area Abbreviation from the drop-down menu.) GER Credits: (Enter number of course credits.) LAS: Liberal Arts & Sciences Credits (Enter X if course is an LAS course.) Major: Major requirement (Enter X.) TPath: SUNY Transfer Path Major & Cognate Courses (Enter X.) Elective/Other: Electives or courses other than specified categories (Enter X.) Upper Div: Courses intended primarily for juniors and seniors outside of the major (Enter X.) Upper Div Major: Courses intended primarily for juniors and seniors within the major (Enter X.) New: new course (Enter X.) Co/Prerequisite(s): List co/prerequisite(s) for the noted courses. SUNY GER Area Abbreviations (the first five listed in order of their frequency of being required by SUNY campuses): Basic Communication (BC), Math (M), Natural Sciences (NS), Social Science (SS), Humanities (H), American History (AH), The Arts (AR), Other World Civilizations (OW), Western Civilization (WC), Foreign Language (FL).**

Fall 1:

Course Number & Title (& Type)	Number of Credits	GER Area	GE Credits	LAS	Major	Elective/ Other	Upper Div	Upper Div Major	TPath	New Course	Co/Prerequisite
ICSI 201 Introduction to Computer Science - REQ	4			X	X						
AMAT 112 Calculus 1 - REQ	4	M	x	X	X						
Social Science Gen Ed - RE	3	SS	x	X							
Natural Science Gen Ed - RE	3	NS	x	X							
Humanities Gen Ed - RE	3	H	x	X							
Term Totals	**17**	**4**	**13**	**17**	**8**						**(X)**

Spring 1:

Course Number & Title (& Type)	Number of Credits	GER Area	GE Credits	LAS	Major	Elective/ Other	Upper Div	Upper Div Major	TPath	New Course	Co/Prerequisite

ICSI 310 Data Structures - REQ	3				X		X	X			ICSI 201
AMAT 113 Calculus II - RE	4			X	X						AMAT 112
Arts Gen Ed - RE	3	AR	x	X							
US Historical Perspectives - RE	3	AH	x	X							
UUNI 110 Writing and Critical Inquiry - RE	3	BC	x	X							
Term Totals	**16**	**3**	**9**	**13**	**7**		**3**	**3**			**(X)**

Fall 2

Course Number & Title (& Type)	**Number of Credits**	**GER Area**	**GE Credits**	**LAS**	**Major**	**Elective/ Other**	**Upper Div**	**Upper Div Major**	**TPath**	**New Course**	**Co/Prerequisite**
ICSI 210 Discrete Structures- REQ	4			X	X						ICSI 201
ICSI 333 Programming at the Hardware Software Interface - REQ	4				X		X	X			ICSI 310
AMAT 214 Calculus III - REQ	4			X	X						AMAT 113
Foreign Language Gen Ed - RE	4	FL	x	X							
Term Totals	**16**	**1**	**4**	**12**	**12**		**4**	**4**			**(X)**

Spring 2

Course Number & Title (& Type)	**Number of Credits**	**GER Area**	**GE Credits**	**LAS**	**Major**	**Elective/ Other**	**Upper Div**	**Upper Div Major**	**TPath**	**New Course**	**Co/Prerequisite**
ICSI 311 Principles of Programming Languages - REQ	3			X	X		X	X			ICSI 210, 310
ICSI 402 Systems Programming - REQ	3				X		X	X			ICSI 333
AMAT 220 Linear Algebra - REQ	3			X	X						AMAT 113

International Perspectives Gen Ed - RE	3	OW	x	X							
Challenges of the 21st Century - RE	3			X							
Term Totals	**15**	**1**	**3**	**12**	**9**		**6**	**6**			**(X)**

Fall 3

Course Number & Title (& Type)	**Number of Credits**	**GER Area**	**GE Credits**	**LAS**	**Major**	**Elective/ Other**	**Upper Div**	**Upper Div Major**	**TPath**	**New Course**	**Co/Prerequisite**
ICSI 401 Numerical Methods for Digital Computers - REQ	3			X	X		X	X			ICSI 210 and AMAT 220
ICSI 409 Automata and Formal Languages - REQ	3			X	X		X	X			ICSI 210
AMAT 367 Discrete Probability - REQ	3			X	X		X	X			AMAT 113 + 6 credits
Gen Ed Elective - RE	3		x								
Elective - FE	3					X					
Term Totals	**15**		**3**	**9**	**9**	**3**	**9**	**9**			**(X)**

Spring 3

Course Number & Title (& Type)	**Number of Credits**	**GER Area**	**GE Credits**	**LAS**	**Major**	**Elective/ Other**	**Upper Div**	**Upper Div Major**	**TPath**	**New Course**	**Co/Prerequisite**
ICSI 403 - Algorithms and Data Structures - REQ	3				X		X	X			ICSI 210 and 310
CSI Restricted Elective - RE	3				X		X	X			
Elective - FE	3					X					
Elective - FE	3					X					
Elective - FE	3					X					

Term Totals	**15**				**6**	**9**	**6**	**6**			**(X)**

Fall 4

Course Number & Title (& Type)	**Number of Credits**	**GER Area**	**GE Credits**	**LAS**	**Major**	**Elective/ Other**	**Upper Div**	**Upper Div Major**	**TPath**	**New Course**	**Co/Prerequisite**
CSI Restricted Elective - RE	3				X		X	X			
Mat Restricted Elective - RE	3				X		X	X			
Mat Restricted Elective - RE	3				X		X	X			
Elective - FE	3					X					
Elective - FE	3					X					
Term Totals	**15**				**9**	**6**	**9**	**9**			**(X)**

Spring 4

Course Number & Title (& Type)	**Number of Credits**	**GER Area**	**GE Credits**	**LAS**	**Major**	**Elective/ Other**	**Upper Div**	**Upper Div Major**	**TPath**	**New Course**	**Co/Prerequisite**
ICSI 404 Computer Organization - REQ	3				X		X	X			ICSI 210 and 333
Mat upper level elective - RE	3				X		X	X			
Upper Level Elective - RE	3						X				
Elective - FE	2					X					
Term Totals	**11**				**6**	**3**	**9**	**6**			**(X)**

Program Total Summary

Total Credits	**SUNY GER Areas**	**SUNY GER Credits**	**Liberal Arts & Sciences Cr**	**Major Credits**	**Elective and Other Credits**	**Upper Division Credits**	**Upper Division Major Credits**	**Total TPath Courses**	**New Courses**

			edits						
120	9	32	63	66	21	46	43		

GER Area Summary

Basic Communication (BC)	1	The Arts (AR)	1	
Mathematics (M)	1	American History (AH)	1	
Natural Sciences (NS)	1	Western Civilization (WC)		
Social Sciences (SS)	1	Other World Civilizations (OW)	1	
Humanities (H)	1	Foreign Language (FL)	1	

CSI Restricted Elective choices:

ICSI 300 Social, Security, and Privacy Implications of Computing

APHY 353 Microprocessor Applications

APHY 454 Microprocessor Applications Laboratory

APHI 432 Completeness and Decidability

MAT Electives : Any MAT class numbered 300 and above

SUNY Undergraduate Sample Program Schedule

Campus Name	**University at Albany**
Program/Track Title and Award	**BS Computer Science and Applied Mathematics , Data Analytics Concentration**

	Semester	Quarter	Trimester	Other
Calendar Type	X			

SUNY Transfer Path Name (if one exists) <----- Use Dropdown Arrow.

KEY **Course Type: Required (R), Restricted Elective (RE), Free Elective (FE). Course Credits: Number of Credits for individual course (Enter number.) GER Area: SUNY General Education Requirement Area (Enter Area Abbreviation from the drop-down menu.) GER Credits: (Enter number of course credits.) LAS: Liberal Arts & Sciences Credits (Enter X if course is an LAS course.) Major: Major requirement (Enter X.) TPath: SUNY Transfer Path Major & Cognate Courses (Enter X.) Elective/Other: Electives or courses other than specified categories (Enter X.) Upper Div: Courses intended primarily for juniors and seniors outside of the major (Enter X.) Upper Div Major: Courses intended primarily for juniors and seniors within the major (Enter X.) New: new course (Enter X.) Co/Prerequisite(s): List co/prerequisite(s) for the noted courses. SUNY GER Area Abbreviations (the first five listed in order of their frequency of being required by SUNY campuses): Basic Communication (BC), Math (M), Natural Sciences (NS), Social Science (SS), Humanities (H), American History (AH), The Arts (AR), Other World Civilizations (OW), Western Civilization (WC), Foreign Language (FL).**

Fall 1

Course Number & Title (& Type)	Number of Credits	GER Area	GE Credits	LAS	Major	Elective/ Other	Upper Div	Upper Div Major	TPath	New Course	Co/Prerequisite
ICSI 201 Introduction to Computer Science - REQ	4			X	X						
AMAT 112 Calculus 1 - REQ	4	M	X	X	X						
Social Science Gen Ed - RE	3	SS	X	X							
Natural Science Gen Ed - RE	3	NS	X	X							
Humanities Gen Ed - RE	3	H	X	X							
Term Totals	**17**	**4**	**13**	**17**	**8**						**(X)**

Spring 1

Course Number & Title (& Type)	Number of Credits	GER Area	GE Credits	LAS	Major	Elective/ Other	Upper Div	Upper Div Major	TPath	New Course	Co/Prerequisite
ICSI 310 Data Structures - REQ	3				X		X	X			ICSI 201

AMAT 113 Calculus II - REQ	4			X	X						AMAT 112
Arts Gen Ed - RE	3	AR	X	X							
US Historical Perspectives - RE	3	AH	X	X							
UUNI 110 Writing and Critical Inquiry - RE	3	BC	X	X							
Term Totals	**16**	**3**	**9**	**13**	**7**		**3**	**3**			**(X)**

Fall 2

Course Number & Title (& Type)	**Number of Credits**	**GER Area**	**GE Credits**	**LAS**	**Major**	**Elective/ Other**	**Upper Div**	**Upper Div Major**	**TPath**	**New Course**	**Co/Prerequisite**
ICSI 210 Discrete Structures - REQ	4			X	X						ICSI 201
ICSI 333 Programming at the Hardware Software Interface - REQ	4				X		X	X			ICSI 310
AMAT 214 Calculus III - REQ	4			X	X						AMAT 113
Foreign Language Gen Ed - RE	4	FL	X	X							
Term Totals	**16**	**1**	**4**	**12**	**12**		**4**	**4**			**(X)**

Spring 2

Course Number & Title (& Type)	**Number of Credits**	**GER Area**	**GE Credits**	**LAS**	**Major**	**Elective/ Other**	**Upper Div**	**Upper Div Major**	**TPath**	**New Course**	**Co/Prerequisite**
ICSI 402 Systems Programming OR ICSI 418 Software Engineering - REQ	3				X		X	X			ICSI 333
AMAT 220 Linear Algebra - REQ	3			X	X						AMAT 113
International Perspectives Gen Ed - RE	3	OW	X	X							

Challenges of the 21st Century - RE	3										
Term Totals	**12**	**1**	**3**	**6**	**6**		**3**	**3**			**(X)**

Fall 3

Course Number & Title (& Type)	**Number of Credits**	**GER Area**	**GE Credits**	**LAS**	**Major**	**Elective/ Other**	**Upper Div**	**Upper Div Major**	**TPath**	**New Course**	**Co/Prerequisite**
ICSI 410 Intoduction to Databases - REQ	3				X		X	X			
ICSI 431 Data Mining - REQ	3				X		X	X			ICSI 310
AMAT 308 Statistical Inference Or AMAT 362 Probability for Statistics - REQ	3			X	X		X	X			AMAT 214
Gen Ed Elective - RE	3		X	X							
Elective - FE	3					X					
Term Totals	**15**		**3**	**6**	**9**	**3**	**9**	**9**			**(X)**

Spring 3

Course Number & Title (& Type)	**Number of Credits**	**GER Area**	**GE Credits**	**LAS**	**Major**	**Elective/ Other**	**Upper Div**	**Upper Div Major**	**TPath**	**New Course**	**Co/Prerequisite**
AMAT 363 Statistics or AMAT 367 Discrete Probability - REQ	3			X	X		X	X			AMAT362 or AMAT 113 + 6 cr
CSI/MAT/Science Restricted Elective - RE	3				X		X	X			
ICSI 403	3				X		X	X			ICSI 210, 310
Elective - FE	3					X					
Elective - FE	3					X					
Term Totals	**15**			**3**	**9**	**6**	**9**	**9**			**(X)**

Fall 4

Course Number & Title (& Type)	Number of Credits	GER Area	GE Credits	LAS	Major	Elective/ Other	Upper Div	Upper Div Major	TPath	New Course	Co/Prerequisite
CSI/MAT/Science Restricted Elective - RE	3				X		X	X			
AMAT 465 Applied Statistics - REQ	3			X	X		X	X			AMAT 220 + MAT 308 or 363
ICSI 451 Bayesian Data Analysis and Signal Processing - REQ	3				X		X	X			AMAT 214 and ICSI 201
Elective - FE	3					X					
Elective - FE	3					X					
Term Totals	**15**			**3**	**9**	**6**	**9**	**9**			**(X)**

Spring 4

Course Number & Title (& Type)	Number of Credits	GER Area	GE Credits	LAS	Major	Elective/ Other	Upper Div	Upper Div Major	TPath	New Course	Co/Prerequisite
ICSI 490 Internship in Computer Science - REQ	3				X		X	X			ICSI 310 + permission
AMAT 464 Applied Stochastic Processes - REQ	3			X	X		X	X			AMAT 362 or 367
Elective - FE	3					X					
Upper level Elective - RE	3						X				
Elective - FE	2					X					
Term Totals	**14**			**3**	**6**	**5**	**9**	**6**			**(X)**

Program Total Summary

Total Credits	SUNY GER Areas	SUNY GER Cre	Liberal Ar	Major Cr	Elective and Other Credits	Upper Division	Upper Division Major	Total TPat	New Courses

		dits	ts & Sciences Credits	edits		Credits	Credits	h Courses	
120	9	32	63	66	20	46	43		

GER Area Summary

	Basic Communication (BC)	1	The Arts (AR)	1
	Mathematics (M)	1	American History (AH)	1
	Natural Sciences (NS)	1	Western Civilization (WC)	
	Social Sciences (SS)	1	Other World Civilizations (OW)	1
	Humanities (H)	1	Foreign Language (FL)	1

CSI/MAT/Science Electives:

ICSI courses numbered 300-470 or 500-550

AMAT courses numbered 300 or above

Science courses specifically approved by the Computer Science and Mathematics departments

Section 4. SUNY Faculty Table

a) If applicable, provide information on faculty members who will be teaching new or significantly revised courses in the program. Expand the table as needed.

b) **Append** at the end of this document position descriptions or announcements for each to-be-hired faculty member

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title/Rank (Include and identify Program Director with an asterisk.)	**% of Time Dedicated to This Program**	**Program Courses Which May Be Taught (Number and Title)**	**Highest and Other Applicable Earned Degrees (include College or University)**	**Discipline(s) of Highest and Other Applicable Earned Degrees**	**Additional Qualifications: List related certifications, licenses and professional experience in field.**
PART 1. Full-Time Faculty					
Martin Hildebrand, Professor	50%	Mat 362, 363, 367, 464	PhD Harvard	Mathematics	
Karin Reinhold, Associate Professor	50%	Mat 308, 362, 363, 367, 464, 465,	PhD The Ohio State	Mathematics	
Carlos Rodriguez, Associate Professor	50%	Mat 308, 362, 363, 367, 464, ICSI 451	SUNY Stony Brook	Mathematics	
Mark Steinberger, Associate Professor	10%	Mat 362, 363, 367	Ph.D. University of Chicago	Mathematics	
Steve Plotnick, Associate Professor	10%	Mat 362, 363, 367	PhD University of Michigan	Mathematics	
Elizabeth Munch, Assistant Professor	20%	Mat 362, 363, 367	PhD University of Chicago	Mathematics	
Alex Tchernev, Associate Professor	10%	Mat 362, 363, 367	PhD Purdue	Mathematics	
Michael Stessin, Professor	20%	Mat 308, 362, 363, 367	PhD Moscow	Mathematics	
Richard Goldstein, Professor	20%	Mat 362, 363, 367	PhD University of Pennsylvania	Mathematics	
Malcolm Sherman, Associate Professor	50%	Mat 308, 362, 363, 367, 464, 465	PhD UC Berkeley	Mathematics	
Yming Ying, Assistant Professor (new)	20%	Mat 362, 363, 465,	PhD Zhejiang U, China	Mathematics	
Jeong-Hyon Hwang, Assistant Professor	10%	CSI 410, 490	Ph.D. Brown U.	Computer Science	
Petko Bogdanov, Assistant Professor	10%	CSI 431, 490	Ph.D. U.C. Santa Barbara	Computer Science	
Kevin Knuth, Associate Professor	20%	CSI 451	Ph.D. University of Minnesota	Physics	
Part 2. Part-Time Faculty					
Part 3. Faculty To-Be-Hired (List as TBH1,					

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title/Rank (Include and identify Program Director with an asterisk.)	**% of Time Dedicated to This Program**	**Program Courses Which May Be Taught (Number and Title)**	**Highest and Other Applicable Earned Degrees (include College or University)**	**Discipline(s) of Highest and Other Applicable Earned Degrees**	**Additional Qualifications: List related certifications, licenses and professional experience in field.**
TBH2, etc., and provide title/rank and expected hiring date.)					

External Instruction Form

Form 2E

This form is required when external instruction is part of the degree requirements in an academic program. External instruction includes internships, field work, clinical placements, cooperative education, service learning, and the like, which are offered in cooperation with external partners, such as business and industry, health care facilities, public agencies, or schools.

1. Use the table below (expanded as necessary) to summarize proposed arrangements for required external instruction in an academic program. List all proposed arrangements. The number of placements listed below should equal or exceed the number of students expected to be in the initial cohort of a new program.

Name and Title of Contact Person	**Name and Address of Placement Site**	**Number(s) of placements per year**
Vijaya Kokkili, Quality Assurance Manager	Commerce Hub, 255 Fuller Road, Suite 327, Albany, NY 12203	2
Todd Alhart, Media Relations Manager	GE Global Research, 1 Research Circle, Niskayuna, NY 12309	2
Brian Suedkamp, Associate Employer Services Representative for the Capital Region	NYS Department of Labor, W.A. Harriman State Office Campus, Building 12, Room 169, Albany, NY 12240	2
Valerie Grey, Executive Deputy Commissioner	NYS Education Department, Office of Cultural Education, Empire State Plaza, Albany, NY 12230	2
Emil Slane, Deputy Commissioner and CFO	NYS Office of Mental Health, 44 Holland Avenue, Albany, NY 12229	2

2. For clinical placements for programs leading to professional licensure in a health profession, **append** documentation to demonstrate each site's commitment to a numerical range of students each year, and the time period of its commitment. The documentation should be signed by the responsible official at each proposed clinical site.

3. In the table below, list the individual(s) at the campus (or at each campus, in the case of multi-institution programs) who will have responsibility for oversight and administration of external instruction.

Name	**Title**	**Email Address**
Seth Chaiken	Associate Professor	schaiken@albany.edu

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