Program Revision Proposal: Changes to an Existing Program

Form 3A

Version 2016-10-13

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,[1] 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	Institution's 6-digit SED Code:	**210500**
	Institution's Name:	University at Albany
	Address:	*1400 Washington Avenue, Albany, NY 12222*
b) Program Locations	List each campus where the entire program will be offered (with each institutional or branch campus 6-digit SED Code): 210500	
	List the name and address of off-campus locations (i.e., extension sites or extension centers) where courses will offered, **or check here [X] if not applicable**:	
c) Registered Program to be Changed	Program Title:	Chemistry
	SED Program Code	03023, 89211, 82215, 28821
	Award(s) (e.g., A.A., B.S.):	B.S.
	Number of Required Credits:	Minimum [120] If tracks or options, largest minimum [ ]
	HEGIS Code:	1905
	CIP 2010 Code:	40.0501
	Effective Date of Change:	Spring 2021
	Effective Date of Completion[2]	Spring 2021
d) Campus Contact	Name and title: Kaitlyn Beachner, Staff Associate for Undergraduate Academic Programs Telephone and email: 518 – 442 – 3941; kbeachner@albany.edu	
e) Chief Executive or Chief Academic Officer 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 proposed program. *E-signatures are acceptable.*** Name and title: Carol [illegible], Ph.D., Senior Vice President for Academic Affairs & Provost Signature and date: [signature] 9/28/21	
	If the program will be registered jointly[3] with one or more other institutions, provide the following information for each institution:	
	Partner institution's name and 6-digit SED Code: Name, title, and signature of partner institution's CEO (or **append** a signed letter indicating approval of this proposal):	

[1] To propose changes that would create a new program, Form 3B, Creating a New Program from Existing Program(s), is required.

[2] 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).

[3] If the partner institution is non-degree-granting, see SED's CEO Memo 94-04.

Section 2. Program Information

Section 2.1. Changes in Program Content

[ ] No changes in program content. *Proceed to Section 2.2.*

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

[X] 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)
[X] Changes in a program's focus or design
[X] Adding or eliminating one or more options, concentrations or tracks
[ ] Eliminating a requirement for program completion (such as an internship, clinical placement, cooperative education, or other work or field-based experience). Adding such requirements must remain in compliance with SUNY credit cap limits.
[ ] 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

Description: Faculty decided to restructure the degree to offer emphasis in chemistry, chemical biology or chemistry/forensic chemistry. This helps students to have more in depth knowledge within areas of chemistry they are interested in.

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.

1990 Chemistry B.S. Requirements:	**2021 Proposed Changes to Chemistry B.S. Requirements:**	
Combined major and minor sequence consisting of 73 credits:	*General Program B.S.* *Within this program, a student has a choice of three tracks:* ***Chemistry Emphasis (70 or 71 credits);*** ***Chemical Biology Emphasis (75 credits);*** ***Chemistry/Forensic Chemistry Emphasis (75 credits).*** *The specific requirements for individual tracks are outlined below.*	
	Core Requirements for all three emphasizes:	
CHM 120N – General Chemistry I (3)	***Select One:***	ACHM 120 – General Chemistry I (3)
		TCHM 130 – Honors Advanced General Chemistry I (3)
		ACHM 115 - General Chemistry Lecture I and Lab (4)
CHM 121N – General Chemistry II (3)	***Select One:***	ACHM 121 – General Chemistry II (3)
		TCHM 131 – Honors Advanced General Chemistry II (3)
		ACHM 116 – General Chemistry II Lecture and Lab (4)
CHM 122A – General Chemistry Laboratory I (1)	***Select One:***	ACHM 124 General Chemistry Laboratory I (1)
		Included in lab portion of ACHM 115
CHM 122B – General Chemistry Laboratory II (1)	***Select One:***	ACHM 125 – General Chemistry Laboratory II (1)
		Included in lab portion of ACHM 116
CHM 216A – Organic Chemistry A (3)	ACHM 220 – Organic Chemistry I (3)	
CHM 216B – Organic Chemistry B (3)	ACHM 221 – Organic Chemistry II (3)	
CHM 217A – Organic Chemistry Laboratory A (1)	ACHM 222 – Organic Chemistry Laboratory I (1)	
CHM 217B – Organic Chemistry Laboratory B (1)	ACHM 223 – Organic Chemistry Laboratory II (1)	
CHM 225 – Quantitative Analysis (3)	ACHM 226 – Quantitative Analysis (3)	
	ACHM 227 – Quantitative Analysis Lab (1)	
	ACHM 352Z – Physical Chemistry Lab (3)	
	ACHM 408 – Polymer Chemistry (3)	
CHM 317 – Advanced Synthesis Laboratory (2)	ACHM 417 – Advanced Synthesis Laboratory (3)	
CHM 340A – Physical Chemistry A (3)	*Current course – **No longer in Core Requirements** –* *Course number and slight name changed to: ACHM 350 – Physical Chemistry I*	
CHM 340B – Physical Chemistry B (3)	*Current course – **No longer in Core Requirements** –* *Course number and slight name changed to: ACHM 351 – Physical Chemistry II*	
CHM 341A – Physical Chemistry Laboratory A (3)	*Current course – **No longer in Core Requirements** –*	

	Course number and slight name changed to: ACHM 352Z – Physical Chemistry Lab	
CHM 341B – Physical Chemistry Laboratory B (3)	*Current course – **No longer in Core Requirements** – Course number and slight name changed to: ACHM 352Z – Physical Chemistry Lab*	
CHM 420A – Inorganic Chemistry A (3)	ACHM 420 – Inorganic Chemistry A (3)	
CHM 420B – Inorganic Chemistry B (3)	*Current course – **No longer in Core Requirements** – Course number and slight name and number change to: ACHM 421 – Inorganic Chemistry II*	
	Select One:	AMAT 111 – Algebra and Calculus II (4)
		AMAT 112 – Calculus I (4)
		AMAT 118 – Honors Calculus I (4)
	Select One:	AMAT 113 – Calculus II (4)
		AMAT 119 – Honors Calculus II (4)
	Select One:	APHY 140 – Physics I: Mechanics (3)
		APHY 141 – Honors Physics I: Mechanics (3)
	Select One:	APHY 150 – Physics II: Electromagnetism (3)
		APHY 151 – Honors Physics II: Electromagnetism (3)
	APHY 145 – Physics Lab I (1)	
	APHY 155 – Physics Lab II (1)	
6 credits in advanced chemistry including at least 3 credits in courses other than ACHM 424, 425, and 426 (options listed below):		
CHM 342 – Biological Chemistry (3)	*Current course – **Not Part of Core Requirements** – Name change to – Introduction to Biochemistry*	
CHM 343 – Introduction to Biochemistry Laboratory (1)	*Course Removed*	
CHM 408 – Survey of Polymer Chemistry (3)	*Current course – **Not Part of Core Requirements** – Slight name change to ACHM 408 – Polymer Chemistry*	
CHM 411A – Computer Applications in Chemistry A (3)	*Current course – **Not Part of Core Requirements** – Slight name change to ACHM 411 – Computational Chemistry I*	
CHM 411B – Computer Applications in Chemistry B (3)	*Current course – **Not Part of Core Requirements** – Slight name and number change to ACHM 412 – Computational Chemistry II*	
CHM 420B – Inorganic Chemistry B (3)	*Current course – **Not Part of Core Requirements** – Course number and slight name and number change to: ACHM 421 – Inorganic Chemistry II*	
CHM 424 – Retrieval and Presentation of Chemical Information (1)	*Current course – **Not Part of Core Requirements** –*	
CHM 425 – Introduction to Undergraduate Research in Chemistry (2)	*Current course – **Not Part of Core Requirements** –*	
CHM 426 – Undergraduate Research in Chemistry (3)	*Current course – **Not Part of Core Requirements** –*	
CHM 436 – Advanced Organic Chemistry (3)	*Current course – **Not Part of Core Requirements** –*	
CHM 440A – Comprehensive Biochemistry A (3)	*Current course – **Not Part of Core Requirements** – Slight number and name change to ACHM 442 – Comprehensive Biochemistry I*	
CHM 440B – Comprehensive Biochemistry B (3)	*Current course – **Not Part of Core Requirements** – Slight number and name change to ACHM 443 – Comprehensive Biochemistry II*	

MAT 112Y – Calculus I (4)	*Current course –**Core Requirement Above, no longer option** –*	
MAT 113Y – Calculus II (4)	*Current course –**Core Requirement Above, no longer option** –*	
MAT 214 – Calculus of Several Variables (4)	*Current course – **Not Part of Core Requirements** –*	
PHY 120N – Introductory Physics I (4)	*Current course –**Core Requirement Above, no longer option** –*	
PHY 124N - Introductory Physics II (4)	*Current course –**Core Requirement Above, no longer option** –*	
PHY 220 – Introductory Physics III (3)	*Current course –**Core Requirement Above, no longer option** –*	
PHY 221 – Introductory Physics Lab I (1)	*Current course –**Core Requirement Above, no longer option** –*	
	Additional Requirements for *Chemistry Emphasis B.S.*:	
	Select one:	ACHM 342 – Introduction to Biochemistry (3)
		ACHM 442 – Comprehensive Biochemistry I (3)
	ACHM 350 – Physical Chemistry I (3)	
	ACHM 351 – Physical Chemistry II (3)	
	Select one:	AMAT 214 – Calculus of Several Variables (4)
		AMAT 218 – Honors Calculus of Several Variables (4)
	3 or 4 credits in advanced chemistry laboratories selected from the following:	
	ACHM 426 – Undergraduate Research in Chemistry (3)	
	ACHM 429 – Instrumental Analysis (3) AND ACHM 431 – Instrumental Analysis Lab (1) ***Note both ACHM 429 and 431 must be taken together.**	
	3 credits in advanced chemistry in courses other than ACHM 424, 425, 426, 444, and 445 (options listed below):	
	ACHM 401 – Current Topics in Advanced Chemistry (1-3)	
	ACHM 411 – Computational Chemistry I (3)	
	ACHM 412 – Computational Chemistry II (3)	
	ACHM 421 – Inorganic Chemistry II (3)	
	ACHM 424 – Retrieval and Presentation of Chemical Information (1)	
	ACHM 428 – Forensic Chemistry Research (3)	
	ACHM 436 – Advanced Organic Chemistry (3)	
	ACHM 437 – Organic Synthesis (3)	
	ACHM 442 – Comprehensive Biochemistry I (3)	
	ACHM 443 – Comprehensive Biochemistry II (3)	
	ACHM 446 – Chemical Biology Laboratory (3)	
	ACHM 447 – Advanced Forensic Chemistry (3)	
	ACHM 448 – Advanced Forensic Chemistry Lab I (2)	
	ACHM 449 – Advanced Forensic Chemistry Lab II (2)	
	ACHM 458 – Introduction to Medicinal Chemistry/Pharmacology (3)	
	ACHM 470 – Crystallography (3)	
	ACHM 471 – Theory and Techniques of Biophysics and Biophysical Chemistry (3)	

	ACHM 472 – Experimental Methods of Organic Structure Determination (3)	
	ACHM 473 – Chemical and Enzymatic Kinetics (3)	
	ACHM 474 – Physical Organic Chemistry I (3)	
	ACHM 475 – Physical Organic Chemistry II (3)	
	ACHM 495 – Materials Independent Study (3)	
	ACHM 497 – Independent Study (3)	
	Optional Honors Track In Combination with Chemistry Emphasis:	
	In addition to the required 70 or 71 credits within this emphasis, Honors students must also take the following for Honors Credit:	
	In place of 3 credits of advanced Chemistry Requirement: ACHM 426 – Undergraduate Research (3)	
	Additional Course: ACHM 427 – Honors Undergraduate Research (4)	
	Additional Requirements for *Chemical Biology Emphasis B.S.*:	
	Select one:	ACHM 350 – Physical Chemistry I (3)
		ACHM 444 – Biophysical Chemistry I (3)
	Select one:	ACHM 351 – Physical Chemistry II (3)
		ACHM 445 – Biophysical Chemistry II (3)
	ACHM 442 – Comprehensive Biochemistry I (3)	
	ACHM 443 – Comprehensive Biochemistry II (3)	
	ACHM 446 – Chemical Biology Laboratory (3)	
	ABIO 130 – General Biology: Molecular and Cell Biology and Genetics (3)	
	ABIO 131 – General Biology: Ecology, Evolution, and Physiology (3)	
	ABIO 201 – Introduction to Biological Investigations I (1)	
	ABIO 202Z – Introduction to Biological Investigations II (1)	
	ABIO 212Y – Introductory Genetics (4)	
	Optional Honors Track within Chemical Biology Emphasis:	
	ACHM 417 is replaced with ACHM 426 within requirements: ACHM 426 – Undergraduate Research (3)	
	Additional Course: ACHM 427 – Honors Undergraduate Research (4)	
	Additional Requirements for *Chemistry/Forensic Chemistry Emphasis B.S:.*	
	ACHM 250 – Introduction to Forensic Chemistry (3)	
	ACHM 251 – Introduction to Forensic Chemistry Lab (1)	
	Select one:	ACHM 342 – Introduction to Biochemistry (3)
		ACHM 442 – Comprehensive Biochemistry I (3)
	Select one:	ACHM 350 – Physical Chemistry I (3)
		ACHM 444 – Biophysical Chemistry I (3)
		ACHM 351 – Physical Chemistry II (3)

	Select one:	ACHM 445 – Biophysical Chemistry II (3)
	ACHM 429 – Instrumental Analysis (3)	
	ACHM 431 – Instrumental Analysis Lab (1)	
	ACHM 447 – Advanced Forensic Chemistry (3)	
	ACHM 448 – Advanced Forensic Chemistry Lab I (2)	
	ACHM 449 – Advanced Forensic Chemistry Lab II (2)	
	AMAT 108 – Elementary Statistics (3)	
	Optional Honors Track within Forensic Chemistry Emphasis:	
	Additional Course: ACHM 428 – Forensic Chemistry Research (3)	
	Additional Course: ACHM 427 – Honors Undergraduate Research (4)	

c) 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.*

ABIO 130 – General Biology: Molecular and Cell Biology and Genetics (3)
ABIO 131 – General Biology: Ecology, Evolution, and Physiology (3)
ABIO 201 – Introduction to Biological Investigations I (1)
ABIO 202Z – Introduction to Biological Investigations II (1)
ABIO 212Y – Introductory Genetics (4)
TCHM 130 – Honors Advanced General Chemistry I (3)
TCHM 131 – Honors Advanced General Chemistry II (3)
ACHM 227 – Quantitative Analysis Lab (1)
ACHM 250 – Introduction to Forensic Chemistry (3)
ACHM 251 – Introduction to Forensic Chemistry Lab (1)
ACHM 401 – Current Topics in Advanced Chemistry (1-3)
ACHM 408 – Polymer Chemistry (3)
ACHM 411 – Computational Chemistry I (3)
ACHM 412 – Computational Chemistry II (3)
ACHM 426 – Undergraduate Research in Chemistry (3)
ACHM 427 – Honors Undergraduate Research (4)
ACHM 428 – Forensic Chemistry Research (3)
ACHM 429 – Instrumental Analysis (3)
ACHM 431 – Instrumental Analysis Lab (1)
ACHM 437 – Organic Synthesis (3)
ACHM 444 – Biophysical Chemistry I (3)
ACHM 445 – Biophysical Chemistry II (3)
ACHM 446 – Chemical Biology Laboratory (3)
ACHM 447 – Advanced Forensic Chemistry (3)
ACHM 448 – Advanced Forensic Chemistry Lab I (2)
ACHM 449 – Advanced Forensic Chemistry Lab II (2)
ACHM 458 – Introduction to Medicinal Chemistry/Pharmacology (3)
ACHM 470 – Crystallography (3)
ACHM 471 – Theory and Techniques of Biophysics and Biophysical Chemistry (3)
ACHM 472 – Experimental Methods of Organic Structure Determination (3)
ACHM 473 – Chemical and Enzymatic Kinetics (3)
ACHM 474 – Physical Organic Chemistry I (3)
ACHM 475 – Physical Organic Chemistry II (3)
ACHM 495 – Materials Independent Study (3)
ACHM 497 – Independent Study (3)
AMAT 108 – Elementary Statistics (3)
AMAT 111 – Algebra and Calculus II (4)
AMAT 118 – Honors Calculus I (4)
AMAT 119 – Honors Calculus II (4)
AMAT 218 – Honors Calculus of Several Variables (4)
APHY 140 – Physics I: Mechanics (3)
APHY 141 – Honors Physics I: Mechanics (3)
APHY 145 – Physics Lab I (1)
APHY 150 – Physics II: Electromagnetism (3)
APHY 151 – Honors Physics II: Electromagnetism (3)
APHY 155 – Physics Lab II (1)
APHY 240 – Physics III: Structure of Matter (3)

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

No new costs. All new courses are being taught by existing faculty.

Section 2.2. Other Changes

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

[ ] Program title
[ ] Program award
[X] 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. Program Schedule and Curriculum

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

NOTES: *The* ***Undergraduate Schedule*** *must show* ***all curricular requirements*** *and demonstrate that the program conforms to SUNY's and SED's policies.*

- *It must show how a student can complete all program requirements within SUNY credit limits, unless a longer period is selected as a format in Item 2.1(c): two years of full-time study (or the equivalent) and 64 credits for an associate degree, or four years of full-time study (or the equivalent) and 126 credits for a bachelor's degree. Bachelor's degree programs should have at least 45 credits of upper division study, with 24 in the major.*
- *It must show how students in A.A., A.S. and bachelor's programs can complete, within the first two years of full-time study (or 60 credits), no fewer than 30 credits in approved SUNY GER courses in the categories of Basic Communication and Mathematics, and in at least 5 of the following 8 categories: Natural Science, Social Science, American History, Western Civilization, Other World Civilizations, Humanities, the Arts and Foreign Languages*
- *It must show how students can complete Liberal Arts and Sciences (LAS) credits appropriate for the degree.*
- *When a SUNY Transfer Path applies to the program, it must show how students can complete the number of SUNY Transfer Path courses shown in the Transfer Path Requirement Summary within the first two years of full-time study (or 60 credits), consistent with SUNY's Student Seamless Transfer policy and MTP 2013-03.*
- *Requests for a program-level waiver of SUNY credit limits, SUNY GER and/or a SUNY Transfer Path require the campus to submit a Waiver Request –with compelling justification(s).*

EXAMPLE FOR ONE TERM: Undergraduate Program Schedule

Term 2: Fall 20xx	Credits per classification						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Prerequisite(s)**
ACC 101 Principles of Accounting	4			4	4		
MAT 111 College Mathematics	3	M	3	3			MAT 110
CMP 101 Introduction to Computers	3						
HUM 110 Speech	3	BC	3			X	
ENG 113 English 102	3	BC	3				
Term credit total:	16	6	9	7	4		

b) *For* ***graduate programs****, complete the* ***SUNY Graduate Program Schedule****. If the program has separate tracks or concentrations, complete a* ***Program Schedule*** *for each one.*

NOTE: *The* ***Graduate Schedule*** *must include all curriculum requirements and demonstrate that expectations from Part 52.2(c)(8) through (10) of the Regulations of the Commissioner of Education are met.*

SUNY Undergraduate Program Schedule (***OPTION: You can paste an Excel version of this schedule AFTER this line, and delete the rest of this page.)***

Program/Track Title and Award:_____Chemistry B.S. – Chemistry Emphasis_____

a) Indicate **academic calendar type**: [x] Semester [ ] Quarter [ ] Trimester [ ] Other (describe):

b) **Label each term in sequence**, consistent with the institution's academic calendar (e.g., Fall 1, Spring 1, Fall 2)

c) **Name of SUNY Transfer Path, if one exists: ____Chemistry_____ See Transfer Path Requirement Summary for details**

d) Use the table to show **how a typical student may progress through the program**; copy/expand the table as needed. **Complete all columns that apply to a course.**

Term 1:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 120 – General Chemistry I OR ACHM 130 – Advanced General Chemistry I OR TCHM 130 – Honors Advanced General Chemistry I	3	NS	3	3	3		
ACHM 124 – General Chemistry Laboratory I	1		1	1	1		ACHM 120/130 or TCHM 130
APHY 140 – Physics I Mechanics OR APHY 141 – Honors Physics I: Mechanics	3	NS	3	3	3		
APHY 145 – Physics Lab I	1		1	1	1		APHY 140
AMAT 111 – Algebra and Calculus I OR AMAT 112 – Calculus I OR AMAT 118 – Honors Calculus I	4	M	4	4	4		
UUNI 110 – Writing and Critical Inquiry	3	BC	3				
Term credit totals:	15	13	15	12	12		

Term 2:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 121 – General Chemistry II OR ACHM 131 – Advanced General Chemistry II OR TCHM 131 – Honors Advanced Chemistry II	3	NS	3	3	3		
ACHM 125 – General Chemistry Laboratory II	1		1	1	1		ACHM 121/131 or TCHM 131
APHY 150 – Physics II: Electromagnetism OR APHY 151 – Honors Physics II: Electromagnetism	3	NS	3	3	3		
APHY 155 – Physics Lab II	1		1	1	1		APHY 150/151
AMAT 113 – Calculus II OR AMAT 119 – Honors Calculus II	4	M	4	4	4		AMAT 112 or 118
General Education: Humanities	3	HU	3				
Term credit totals:	15	13	15	12	12		

Term 3:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 220 – Organic Chemistry I	3		3	3	3		ACHM 121/131 and ACHM125
ACHM 222 – Organic Chemistry Laboratory I	1		1	1	1		ACHM 220
AMAT 214 – Calculus of Several Variables OR AMAT 218 – Honors Calculus of Several Variables	4		4	4			AMT 113/119
APHY 240 – Physics III: Structure of Matter	3		3	3			APHY 150 and APHY 155
General Education: Arts	3	AR	3				
General Education: Social Science	3	SS	3				
Term credit totals:	17	6	17	11	4		

Term 4:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 221 – Organic Chemistry II	3		3	3	3		ACHM 220
ACHM 223 – Organic Chemistry Laboratory II	1		1	1	1		ACHM 221
General Education: US History	3	AH	3				
General Education: International Perspectives	3	OW	3				
General Education: Foreign Language	3	FL	3				
ACHM 226 – Quantitative Analysis	3		3	3			ACHM 121/131 and ACHM 125
ACHM 227 – Quantitative Analysis Lab	1		1	1			ACHM 226
Term credit totals:	17	9	17	8	4		

Term 5:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
Local General Education: Challenges of the 21st Century	3		3				

Term 6:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 351 – Physical Chemistry II	3		3	3			ACHM 350

ACHM 342 – Introduction to Biochemistry OR ACHM 442 – Comprehensive Biochemistry I	3		3	3			ACHM 220 and 221		ACHM 408 – Polymer Chemistry	3		3	3			ACHM 222/223 and ACHM 226/227
ACHM 350 – Physical Chemistry I	3		3	3			ACHM 221, AMAT 214 and APHY 150		Advanced Chemistry Lab Selective Upper Division	3/4			3/4			
ACHM 352Z – Physical Chemistry Lab	3		3	3			APHY 350		Upper Division Free Elective	3						
Free Elective	3								Free Elective	3						
Term credit totals:	15		12	9					Term credit totals:	15/16		6	9/10			
Term 7:	See KEY.								**Term 8:**	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**		**Course Number & Title**	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 420 – Inorganic Chemistry A	3			3			ACHM 420		Advanced Chemistry Upper Division Elective	3			3			
ACHM 417 – Advanced Synthesis Lab	3			3			ACHM 221 and 223		Upper Division Free Elective	3						
Upper Division Free Elective	3								Upper Division Free Elective	3						
Upper Division Free Elective	3								Upper Division Free Elective	3						
Free Elective	3															
Term credit totals:	15								Term credit totals:	12			3			

Program Totals (in credits):	**Total Credits: 121/122**	**SUNY GER: 41**	**LAS: 82**	**Major: 70/71**	**Elective & Other: 27**	**Upper Division: 45/46**	**Upper Division Major: 27/28**	**Number of SUNY GER Categories:**
								9

KEY Cr: credits **GER:** SUNY General Education Requirement (Enter Category Abbreviation) **LAS:** Liberal Arts & Sciences (Enter credits) **Maj:** Major requirement (Enter credits) **TPath:** SUNY Transfer Path Courses (Enter credits) **New:** new course (Enter X) **Co/Prerequisite(s):** list co/prerequisite(s) for the noted courses **Upper Division:** Courses intended primarily for juniors and seniors **SUNY GER Category Abbreviations:** American History (AH), Basic Communication (BC), Foreign Language (FL), Humanities (H), Math (M), Natural Sciences (NS), Other World Civilizations (OW), Social Science (SS), The Arts (AR), Western Civilization (WC)

SUNY Undergraduate Program Schedule (***OPTION: You can paste an Excel version of this schedule AFTER this line, and delete the rest of this page.)***

Program/Track Title and Award:__Chemistry B.S. with Chemical Biology Emphasis_____

e) Indicate **academic calendar type**: [X] Semester [ ] Quarter [ ] Trimester [ ] Other (describe):

f) **Label each term in sequence**, consistent with the institution's academic calendar (e.g., Fall 1, Spring 1, Fall 2)

g) **Name of SUNY Transfer Path, if one exists: _____Chemistry_____ See Transfer Path Requirement Summary for details**

h) Use the table to show **how a typical student may progress through the program**; copy/expand the table as needed. **Complete all columns that apply to a course.**

Term 1:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 120 – General Chemistry I OR ACHM 130 – Advanced General Chemistry I OR TCHM 130 – Honors Advanced General Chemistry I	3	NS	3	3	3		
ACHM 124 – General Chemistry Laboratory I	1		1	1	1		ACHM 120/130 or TCHM 130
APHY 140 – Physics I Mechanics OR APHY 141 – Honors Physics I: Mechanics	3	NS	3	3	3		
APHY 145 – Physics Lab I	1		1	1	1		APHY 145
AMAT 111 – Algebra and Calculus I OR AMAT 112 – Calculus I OR AMAT 118 – Honors Calculus I	4	M	4	4	4		
UUNI 110 – Writing and Critical Inquiry	3	BC	3				
Term credit totals:	15	13	15	12	12		

Term 2:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 121 – General Chemistry II OR ACHM 131 – Advanced General Chemistry II OR TCHM 131 – Honors Advanced Chemistry II	3	NS	3	3	3		
ACHM 125 – General Chemistry Laboratory II	1		1	1	1		ACHM 121/131 or TCHM 131
APHY 150 – Physics II: Electromagnetism OR APHY 151 – Honors Physics II: Electromagnetism	3	NS	3	3	3		APHY 140/141
APHY 155 – Physics Lab II	1		1	1	1		APHY 150/151
AMAT 113 – Calculus II OR AMAT 119 – Honors Calculus II	4	M	4	4	4		AMAT 112/118
General Education: Humanities	3	HU	3				
Term credit totals:	15	13	15	12	12		

Term 3:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 220 – Organic Chemistry I	3		3	3	3		ACHM 121/131 or TCHM 131 and ACHM 125
ACHM 222 – Organic Chemistry Laboratory I	1			1	1		ACHM 220
ABIO 130 – General Biology: Molecular and Cell Biology and Genetics	3	NS	3	3			
ABIO 201 – Introduction to Biological Investigations I	1			1			ABIO 130
General Education: Arts	3	AR	3				
General Education: Social Science	3	SS	3				
General Education: US History	3	AH	3				
Term credit totals:	17	12	15	8	4		

Term 4:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 221 – Organic Chemistry II	3		3	3	3		ACHM 220 and ACHM 222
ACHM 223 – Organic Chemistry Laboratory II	1			1	1		ACHM 221
General Education: International Perspectives	3	OW	3				
General Education: Foreign Language	3	FL	3				
ABIO 131 – General Biology: Ecology, Evolution and Physiology	3	NS	3	3			ABIO 130
ABIO 202Z – Introduction to Biological Investigations II	1			1			ABIO 131
Local General Education: Challenges of the 21st Century	3		3				
Term credit totals:	17	9	15	8	4		

Term 5:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ABIO 212Y – Introductory Genetics	4		4	4			ABIO 131 and 202Z

Term 6:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 352 – Physical Chemistry II OR	3		3	3			ACHM 226 and 227

								ACHM 445 – Biophysical Chemistry II									
ACHM 350 – Physical Chemistry I OR ACHM 444 – Biophysical Chemistry I	3		3	3			ACHM 221, AMAT 214 and APHY 150	ACHM 417 – Advanced Synthesis Laboratory	3		3	3			ACHM 221 and 223
ACHM 352Z – Physical Chemistry Lab	3		3	3			ACHM 350	Free Elective – Upper Division	3						
Free Elective – Upper Division	3							ACHM 408 – Polymer Chemistry	3		3	3			ACHM 222/223 and ACHM 226/227
ACHM 226 – Quantitative Analysis	3			3											
ACHM 227 – Quantitative Analysis Lab	1			1											
Term credit totals:	17		10	14				Term credit totals:	12		9	9			
Term 7:	See KEY.							**Term 8:**	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 420 – Inorganic Chemistry I	3		3	3			ACHM 350 or 444	ACHEM 443 – Comprehensive Biochemistry II	3		3	3			ACHM 221
ACHM 442 – Comprehensive Biochemistry I	3		3	3			ACHM 221	ACHM 446 – Chemical Biology Laboratory	3		3	3			ACHM 250, 442 and 443
Free Elective – Upper Division	3							Free Elective – Upper Division	3						
Free Elective – Upper Division	3							Free Elective – Upper Division	3						
Free Elective	3														
Term credit totals:	15		6	6				Term credit totals:	12		6	6			

Program Totals (in credits):	**Total Credits: 120**	**SUNY GER: 47**	**LAS: 91**	**Major: 75**	**Elective & Other: 21**	**Upper Division: 45**	**Upper Division Major: 27**	**Number of SUNY GER Categories:**
								9

KEY Cr: credits **GER:** SUNY General Education Requirement (Enter Category Abbreviation) **LAS:** Liberal Arts & Sciences (Enter credits) **Maj:** Major requirement (Enter credits) **TPath:** SUNY Transfer Path Courses (Enter credits) **New:** new course (Enter X) **Co/Prerequisite(s):** list co/prerequisite(s) for the noted courses **Upper Division:** Courses intended primarily for juniors and seniors **SUNY GER Category Abbreviations:** American History (AH), Basic Communication (BC), Foreign Language (FL), Humanities (H), Math (M), Natural Sciences (NS), Other World Civilizations (OW), Social Science (SS), The Arts (AR), Western Civilization (WC)

SUNY Undergraduate Program Schedule (***OPTION: You can paste an Excel version of this schedule AFTER this line, and delete the rest of this page.)***

Program/Track Title and Award:____Chemistry B.S. with Emphasis on Forensic Chemistry_____

i) Indicate **academic calendar type**: [ ] Semester [ ] Quarter [ ] Trimester [ ] Other (describe):

j) **Label each term in sequence**, consistent with the institution's academic calendar (e.g., Fall 1, Spring 1, Fall 2)

k) **Name of SUNY Transfer Path, if one exists: ____Chemistry_____ See Transfer Path Requirement Summary for details**

l) Use the table to show **how a typical student may progress through the program**; copy/expand the table as needed. **Complete all columns that apply to a course.**

Term 1:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 120 – General Chemistry I OR ACHM 130 – Advanced General Chemistry I OR TCHM 130 – Honors Advanced General Chemistry I	3	NS	3	3	3		
ACHM 124 – General Chemistry Laboratory I	1			1	1		ACHM 120/130 or TCHM 130
APHY 140 – Physics I Mechanics OR APHY 141 – Honors Physics I: Mechanics	3	NS	3	3	3		
APHY 145 – Physics Lab I	1			1	1		APHY 140/141
AMAT 111 – Algebra and Calculus I OR AMAT 112 – Calculus I OR AMAT 118 – Honors Calculus I	4	M	4	4	4		
UUNI 110 – Writing and Critical Inquiry	3	BC	3				
Term credit totals:	15	13	13	12	12		

Term 2:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 121 – General Chemistry II OR ACHM 131 – Advanced General Chemistry II OR TCHM 131 – Honors Advanced Chemistry II	3	NS	3	3	3		ACHM 120/130 or TCHM 130
ACHM 125 – General Chemistry Laboratory II	1			1	1		ACHM 121
APHY 150 – Physics II: Electromagnetism OR APHY 151 – Honors Physics II: Electromagnetism	3	NS	3	3	3		APHY 140/141
APHY 155 – Physics Lab II	1			1	1		APHY 155
AMAT 113 – Calculus II OR AMAT 119 – Honors Calculus II	4	M	4	4	4		AMAT 112 or 118
General Education: Humanities	3	HU	3				
Term credit totals:	15	13	13	12	12		

Term 3:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 220 – Organic Chemistry I	3		3	3	3		ACHM 121/131
ACHM 222 – Organic Chemistry Laboratory I	1			1	1		ACHM 220
AMAT 108 – Elementary Statistics	3	M	3	3			
ACHM 226 – Quantitative Analysis	3			3			ACHM 121/131 and 125
ACHM 227 – Quantitative Analysis Lab	1			1			ACHM 226
General Education: Social Science	3	SS	3				
General Education: Arts	3	AR	3				
Term credit totals:	17	9	12	11	4		

Term 4:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 221 – Organic Chemistry II	3		3	3	3		ACHM 220 and 222
ACHM 223 – Organic Chemistry Laboratory II	1			1	1		ACHM 221
General Education: US History	3	AH	3				
General Education: International Perspectives	3	OW	3				
General Education: Foreign Language	3	FL	3				
ACHM 250 – Introduction to Forensic Chemistry	3		3	3			ACHM 121
ACHM 251 – Introduction to Forensic Chemistry Lab	1		1	1			ACHM 250
Term credit totals:	17	9	16	8	4		

Term 5:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 342 – Introduction to Biochemistry OR ACHM 442 – Comprehensive Biochemistry I	3		3	3			ACHM 220 and 221

Term 6:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
ACHM 417 – Advanced Synthesis Laboratory	3			3			ACHM 221 and 223

ACHM 350 Physical Chemistry I OR ACHM 444 – Biophysical Chemistry I	3		3	3				ACHM 420 – Inorganic Chemistry I	3		3	3			ACHM 350 or 444
ACHM 408 – Polymer Chemistry	3			3			ACHM 222/223 and ACHM 226/227	ACHM 351 – Physical Chemistry II OR ACHM 445 Biophysical Chemistry II	3		3	3			ACHM 350
Free Elective –Upper Division	3							ACHM 352 – Physical Chemistry Lab	3			3			ACHM 351
Free Elective –Upper Division	3							ACHM 429 – Instrumental Analysis	3			3			ACHM 226 and 227
Term credit totals:	15		6	9				Term credit totals:	15		6	15			
Term 7:	See KEY.							**Term 8:**	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
Free Elective –Upper Division	3							ACHM 449 – Advanced Forensic Chemistry Lab II	2			2			ACHM 448
ACHM 431 – Instrumental Analysis	1			1			ACHM 429	Free Elective –Upper Division	3						
ACHM 448 – Advanced Forensic Chemistry Lab I	2			2			ACHM 447	Free Elective –Upper Division	3						
ACHM 447 – Advanced Forensic Chemistry	3			3			ACHM 226, 227, 429 and 431	Free Elective	3						
Free Elective	3							Free Elective	3						
Term credit totals:	12			6				Term credit totals:	14			2			

Program Totals (in credits):	**Total Credits: 120**	**SUNY GER: 44**	**LAS: 66**	**Major: 75**	**Elective & Other: 24**	**Upper Division: 47**	**Upper Division Major: 32**	**Number of SUNY GER Categories:**
								9

KEY Cr: credits **GER:** SUNY General Education Requirement (Enter Category Abbreviation) **LAS:** Liberal Arts & Sciences (Enter credits) **Maj:** Major requirement (Enter credits) **TPath:** SUNY Transfer Path Courses (Enter credits) **New:** new course (Enter X) **Co/Prerequisite(s):** list co/prerequisite(s) for the noted courses **Upper Division:** Courses intended primarily for juniors and seniors **SUNY GER Category Abbreviations:** American History (AH), Basic Communication (BC), Foreign Language (FL), Humanities (H), Math (M), Natural Sciences (NS), Other World Civilizations (OW), Social Science (SS), The Arts (AR), Western Civilization (WC)

SUNY Graduate Program Schedule ***OPTION:*** ***You can insert an Excel version of this schedule AFTER this line, and delete the rest of this page.)***

Program/Track Title and Award:_____

a) Indicate **academic calendar** type: [ ] Semester [ ] Quarter [ ] Trimester [ ] Other (describe):

b) **Label each term in sequence**, consistent with the institution's academic calendar (e.g., Fall 1, Spring 1, Fall 2)

c) Use the table to show **how a typical student may progress through the program**; copy/expand the table as needed.

d) Complete the last row to show program totals and comprehensive, culminating elements. **Complete all columns that apply to a course.**

Term 1:				**Term 2:**			
Course Number & Title	**Credits**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Credits**	**New**	**Co/Prerequisites**
Term credit total:				Term credit total:			
Term 3:				**Term 4:**			
Course Number & Title	**Credits**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Credits**	**New**	**Co/Prerequisites**
Term credit total:				Term credit total:			
Term 5:				**Term 6:**			
Course Number & Title	**Credits**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Credits**	**New**	**Co/Prerequisites**
Term credit total:				Term credit total:			
Term 7:				**Term 8:**			
Course Number & Title	**Credits**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Credits**	**New**	**Co/Prerequisites)**
Term credit total:				Term credit total:			

Program Total:	**Total Credits:**	**Identify the required comprehensive, culminating element(s), such as a thesis or examination, including course number(s), if applicable:**

New: X if new course **Prerequisite(s)**: list prerequisite(s) for the listed courses

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 and/or Rank at the Institution (Include and identify Program Director.)	**% 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 and licenses and professional experience in field.**
PART 1. Full-Time Faculty					
Paul Toscano, Associate Professor of Chemistry, Director of Undergraduate Studies	100	ACHM 120 General Chemistry 1 ACHM 121 General Chemistry 2 ACHM 220 Organic Chemistry 1 ACHM 222 Organic Chemistry 2	Ph.D., Johns Hopkins University	Chemistry	
Halimah Sayahi, Chemistry Lecturer	100	ACHM 120 General Chemistry 1 ACHM 121 General Chemistry 2 ACHM 220 Organic Chemistry 1 ACHM 222 Organic Chemistry 2	Ph.D., University at Albany, SUNY	Chemistry	
Igor Lednev, Professor of Chemistry	100	ACHM 250 Introduction to Forensic Chemistry ACHM 251 Introduction to Forensic Chemistry Lab ACHM 428 Forensic Chemistry Research ACHM 429 Instrumental Analysis ACHM 431 Instrumental Analysis Lab	Ph.D., Moscow Institute of Physics and Technology	Physical Chemistry	
Colin Henck, Lab Coordinator	100	ACHM 227 Quantitative Analysis Lab ACHM 251 Introduction to Forensic Chemistry Lab	M.S., University at Albany	Chemistry	
Jeremy Feldblyum, Assistant Professor of Chemistry	100	ACHM 350 Physical Chemistry 1 ACHM 408 Polymer Chemistry	Ph.D., University of Michigan, Ann Arbor	Chemistry	
Alan Chen, Associate Professor of Chemistry	100	ACHM 411 Computational Chemistry 1 ACHM 412 Computational Chemistry 2	Ph.D., Washington University in St. Louis	Molecular Biophysics	
Evgeny Dikarev, Professor of Chemistry	100	ACHM 470 Crystallography	Ph.D., Moscow State University	Chemistry	

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title and/or Rank at the Institution (Include and identify Program Director.)	**% 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 and licenses and professional experience in field.**
Maksim Royzen, Associate Professor of Chemistry	100	ACHM 437 Organic Synthesis	Ph.D., New York University	Chemistry	
Mehmet Yigit, Associate Professor of Chemistry	100	ACHM 444 Biophysical Chemistry 1 ACHM 445 Biophysical Chemistry 2	Ph.D., University of Illinois, Urbana-Champaign	Biophysics	
Li Niu, Professor of Chemistry	100	ACHM 446 Chemical Biology Lab ACHM 473 Chemical and Enzymatic Kinetics	Ph.D., University of Wisconsin, Milwaukee	Chemistry	
Rabi Musah, Professor of Chemistry	100	ACHM 447 Advanced Forensic Chemistry ACHM 448 Advanced Forensic Chemistry Lab 1 ACHM 449 Advanced Forensic Chemistry Lab 2 ACHM 458 Introduction to Medicinal Chemistry/Pharmacology ACHM 472 Experimental Methods of Organic Structure Determination	Ph.D., University of Arkansas	Chemistry	
Alexander Shekhtman, Professor and Chair of Chemistry	100	ACHM 458 Introduction to Medicinal ACHM 471 – Theory and Techniques of Biophysics and Biophysical Chemistry	Ph.D., University at Albany, SUNY	Physics	
John Welch, Professor of Chemistry	100	ACHM 474 Physical Organic Chemistry 1 ACHM 475 Physical Organic Chemistry 2	Ph.D., Case Western Reserve University	Chemistry	
Jayanti Pande, Associate Professor of Chemistry	100	ACHM 445 – Biophysical Chemistry II ACHM 471 – Theory and Techniques of Biophysics and Biophysical Chemistry	Ph.D., University at Albany	Chemistry	
Zheng Wei, Director of XRay Facility Core	100	ACHM 470 – Crystallography	Ph.D., University at Albany	Chemistry	

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title and/or Rank at the Institution (Include and identify Program Director.)	**% 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 and licenses and professional experience in field.**
Jason Shepard, Assistant Professor of Chemistry	100	ACHM 401 Current Topics in Advanced Chemistry	Ph.D., Tufts University	Chemistry and Biotechnology	
Marina Petrukhina, Professor of Chemistry	100	ACHM 426 – Undergraduate Research in Chemistry ACHM 427 - Undergraduate Research in Chemistry ACHM 495 – Materials Independent Study ACHM 497 – Chemistry Independent Study	Ph.D., Moscow State University	Inorganic Chemistry	
Linda Mayerhofer, Lecturer in Biology	33	ABIO 130 General Biology: Molecular and Cell Biology and Genetics	Ph.D., University at Albany, SUNY	Biology	
Elise Gervais, Lecturer in Biology	25	ABIO 131 General Biology: Ecology, Evolution, and Physiology	Ph.D., University at Albany, SUNY	Biology	
Christine Gervasi, Instructional Support Specialist in Biology	100	ABIO 201 Introduction to Biological Investigations ABIO 202Z Introduction to Biological Investigations 2	Ph.D., University at Albany, SUNY	Biology	
Robert Osuna, Associate Professor of Biology	33	ABIO 212Y Introductory Genetics	Ph.D., University of Michigan	Biology	
James Lamatina, Lecturer in Mathematics & Statistics	66	AMAT 108 Elementary Statistics	M.A., University at Albany, SUNY	Mathematics	
Scott Sidoli, Lecturer in Mathematics & Statistics	100	AMAT 111 Algebra and Calculus 2 AMAT 112 Calculus 1	Ph.D., University at Albany, SUNY	Mathematics	
John Tambroni, Lecturer in Mathematics & Statistics	66	TMAT 118 Honors Calculus 1 TMAT 119 Honors Calculus 2	M.A., University at Buffalo , SUNY	Mathematics	Masters of Science in Teaching, SUNY Potsdam
Steven Plotnick, Associate Professor of Mathematics and Statistics	25	TMAT 119 Honors Calculus 2	Ph.D., University of Michigan	Mathematics	
Matthew Zaremsky, Assistant Professor of Mathematics and Statistics	25	AMAT 218 Honors Calculus 3	Ph.D., University of Virginia	Mathematics	
William Lanford, Professor of Physics	10	APHY 140 Physics 1: Mechanics	Ph.D., University of Rochester	Physics	
Anna Sharikova, Visiting Assistant Professor in Physics	25	APHY 145 Physics Lab 1	Ph.D., University of South Florida	Applied Physics	

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title and/or Rank at the Institution (Include and identify Program Director.)	**% 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 and licenses and professional experience in field.**
Jesse Ernst, Associate Professor of Physics	25	APHY 150 Physics 2: Electromagnetism	Ph.D., University of Rochester	Physics	
Keith Earle, Associate Professor of Physics and Chair	100	APHY 155 Physics Lab 2	Ph.D., Cornell University	Physics	
Jonathan Petruccelli,, Associate Professor of Physics	25	APHY 240 Physics 3: Structure of Matter	Ph.D., University of Rochester	Physics	
Matthew Szydagis, Associate Professor of Physics	25	TPHY 141 Honors Physics 1: Mechanics	Ph.D., University of Chicago	Physics	
Oleg Lunin, Associate Professor of Physics	25	TPHY 151 Honors Physics 2: Electromagnetism	Ph.D., Ohio State University	Physics	
Part 2. Part-Time Faculty					
Priyantha Sugathapa, Lecturer, Honors College	100	TCHM 130 Honors Advanced General Chemistry 1 TCHM 131 Honors Advanced General Chemistry 2	Ph.D., Wayne State University	Chemistry	
Part 3. To-Be-Hired Faculty (List as TBH1, TBH2, etc., and provide expected hiring date instead of name.)					