

# MEMORANDUM OF UNDERSTANDING

BETWEEN

STATE UNIVERSITY OF NEW YORK AT COBLESKILL

**Bachelor of Technology in Plant Science or  
Bachelor of Science in Biotechnology**

AND

CORNELL UNIVERSITY

**Master of Professional Studies in Agriculture and Life Sciences degree  
offered through the School of Integrative Plant Science (SIPS)**

**June 2018**

## **I. General Statement of Purpose**

This document establishes a formal Memorandum of Understanding between the SUNY Cobleskill's Bachelor of Technology in Plant Science or Bachelor of Science in Biotechnology degree programs and Cornell University's Master of Professional Studies in Agriculture and Life Sciences graduate degree program, offered through the School of Integrative Plant Science (SIPS) in Cornell's College of Agriculture and Life Sciences (CAL S).

The purpose is to facilitate the admission of qualified SUNY Cobleskill Bachelor of Technology in Plant Science or Bachelor of Science in Biotechnology degree recipients into Cornell University's Master of Professional Studies in Agriculture and Life Sciences program in the School of Integrative Plant Science (SIPS). Within the SIPS MPS program, students may choose a specialization in any of the following areas: Plant Biotechnology, Controlled Environment Agriculture, Viticulture, Geospatial Applications, Public Garden Leadership; or, develop a customized course plan working with their Cornell graduate field faculty advisor.

## **II. Requirements and Terms**

- A. Students must earn a cumulative GPA of 3.0 or above at the time of application to the graduate program, and maintain an overall GPA of 3.0 or above at the time of completion and graduation from the Bachelor of Technology in Plant Science or Bachelor of Science in Biotechnology degree program at SUNY Cobleskill.
- B. Students must receive a minimum grade of "C" or better on all required courses for the Bachelor of Technology in Plant Science or Bachelor of Science in Biotechnology at SUNY Cobleskill, resulting in a cumulative GPA of 3.0 or higher.
- C. Completion of the Bachelor of Technology in Plant Science or Bachelor of Science in Biotechnology degree program at SUNY Cobleskill.
- D. Students must meet the academic requirements for admission, including specific coursework as outlined on the attached guide sheets.
- E. Completion of the admissions application process for Cornell University's Master of Professional Studies in Agriculture and Life Sciences degree program offered through the School of Integrative Plant Science (SIPS). Submission of GRE scores is recommended but not required to support an individual's candidacy.

- F. An offer of admission to qualified SUNY Cobleskill students, at the sole discretion of the SIPS MPS Admissions Committee, pursuant to its published criteria and program space availability.
- G. Students will provide Cornell University with a final transcript listing degree posted and cumulative GPA for the Bachelor of Technology in Plant Science or Bachelor of Science in Biotechnology degree program.

**III. Benefits and Advantages**


- A. Admission to Cornell University’s Master of Professional Studies in Agriculture and Life Sciences degree program, which provides students with an in-depth study of issues and advancements in the fields of life, social, environmental sciences and agriculture, including a capstone project.
- B. To attract qualified students to both institutions who wish to pursue a Master of Professional Studies in Agriculture and Life Sciences degree offered through the School of Integrative Plant Science (SIPS) degree which will prepare graduates for successful careers in industry, government, or non-profit agencies.

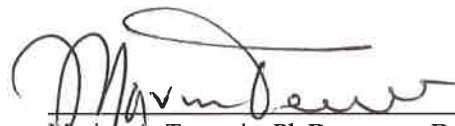
**IV. Review and Revision of this Memorandum of Understanding**

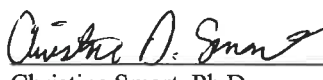
This agreement will be reviewed every two years in June, starting with the year of inception. Should either party desire to terminate this agreement, notification will be given to the other party, in writing, no less than six months prior to the proposed date of termination. Students already enrolled in the Master’s program at the time of termination will be allowed to complete their degree.

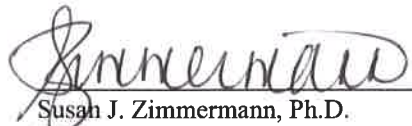
CORNELL UNIVERSITY

SUNY COBLESKILL

  
 Kathryn J, Boor, Ph.D.                      Date  
 7-15-18  
 Dean, College of Agriculture and Life Sciences

  
 Marion A. Terenzio, Ph.D.                      Date  
 7/31/18  
 President

  
 Christine Smart, Ph.D.                      Date  
 6-29-18  
 Director, School of Integrative Plant Science (SIPS)

  
 Susan J. Zimmermann, Ph.D.                      Date  
 7/30/18  
 Provost and VP for Academic Affairs

GUIDE SHEET  
FOR  
MEMORANDUM OF UNDERSTANDING  
BETWEEN  
STATE UNIVERSITY OF NEW YORK AT COBLESKILL  
**Bachelor of Technology in Plant Science**  
AND  
CORNELL UNIVERSITY  
**Master of Professional Studies in Agriculture and Life Sciences degree  
offered through the School of Integrative Plant Science (SIPS)**  
SUNY Cobleskill Course Sequence (120 Total Credits)

SEMESTER 1		SEMESTER 2	
Anything from ACCT, AGBU, AGEN, AGRN, AGSC, ANSC, BADM, BIOL, CITA, ENHT, FWLD, ORHT, RECM	9	MATH 111 or higher – College Algebra or higher	3
ENGL 101 Composition I	3	Anything from AGRN, AGSC, ORHT, RECM	3
Liberal Arts and Sciences	3	Liberal Arts and Sciences	3
FFCS 101 Foundation for College Success	1	General Elective	3
		Anything from PHED	1
<b>TOTAL CREDITS</b>	<b>16</b>	<b>TOTAL CREDITS</b>	<b>13</b>
SEMESTER 3		SEMESTER 4	
Anything from AGRN, AGSC, ORHT, RECM	3	Anything from AGRN, AGSC, ORHT, RECM	5
Anything from ACCT, AGBU, AGEN, AGRN, AGSC, ANSC, BADM, BIOL, CITA, ENHT, FWLD, ORHT, RECM	5	Liberal Arts and Sciences	3
Liberal Arts and Sciences	3	General Elective	6
General Elective	3		
<b>TOTAL CREDITS</b>	<b>14</b>	<b>TOTAL CREDITS</b>	<b>14</b>
SEMESTER 5		SEMESTER 6	
AGRN 335 Agricultural Chemicals OR AGRN 350 Plant Nutrition OR AGRN 362 Applied Plant Physiology OR ORHT 377 Integrated Pest Management Ornamentals	3	AGRN 335 Agricultural Chemicals OR AGRN 350 Plant Nutrition OR AGRN 362 Applied Plant Physiology OR ORHT 377 Integrated Pest Management Ornamentals	3
Anything from AGRN, AGSC, ORHT, RECM 300/400 level	3	Anything from AGRN, AGSC, ORHT, RECM 300/400 level	6
Anything from ACCT, AGBU, AGEN, AGRN, AGSC, ANSC, BADM, BIOL, CITA, ENHT, FWLD, ORHT, RECM 300/400 level	3	Anything from ACCT, AGBU, AGEN, AGRN, AGSC, ANSC, BADM, BIOL, CITA, ENHT, FWLD, ORHT, RECM 300/400 level	3
Anything from ACCT, AGBU, AGEN, AGRN, AGSC, ANSC, BADM, BIOL, CITA, ENHT, FWLD, ORHT, RECM	6	Liberal Arts and Sciences	3
Liberal Arts and Sciences	3		
<b>TOTAL CREDITS</b>	<b>18</b>	<b>TOTAL CREDITS</b>	<b>15</b>
SEMESTER 7		SEMESTER 8	
Anything from AGRN, AGSC, ORHT, RECM 300/400 level	3	Anything from AGRN, ORHT, RECM 450 (Internship)	12
Liberal Arts and Sciences	6	Anything from AGRN, ORHT, RECM 451 (Internship reporting)	3
General Elective	6		
<b>TOTAL CREDITS</b>	<b>15</b>	<b>TOTAL CREDITS</b>	<b>15</b>

GUIDE SHEET  
FOR  
MEMORANDUM OF UNDERSTANDING  
BETWEEN  
STATE UNIVERSITY OF NEW YORK AT COBLESKILL  
**Bachelor of Science in Biotechnology**  
AND  
CORNELL UNIVERSITY  
**Master of Professional Studies in Agriculture and Life Sciences degree  
offered through the School of Integrative Plant Science (SIPS)**

SUNY Cobleskill Course Sequence (120 Total Credits)

SEMESTER 1		SEMESTER 2	
ENGL 101 Composition I	3	BIOL 112 Biology II	3
MATH 125 Statistics (or higher)	3	BIOL 112X Biology II Lab	1
BIOL 111 Biology I	3	CHEM 112 General Chemistry II	3
BIOL 111X Biology I Lab	1	CHEM 112X General Chemistry II Lab	1
CHEM 111 General Chemistry I	3	MATH 125 Statistics (or higher)	3
CHEM 111X General Chemistry I Lab	1	Anything from Liberal Arts and Sciences	3
FFCS 199 Foundations for College Success	1	General Elective	3
<b>TOTAL CREDITS</b>	<b>15</b>	<b>TOTAL CREDITS</b>	<b>17</b>
SEMESTER 3		SEMESTER 4	
BIOL 219 Microbiology	3	CHEM 351 Biochemistry	3
BIOL 219X Microbiology Lab	1	Liberal Arts and Sciences – CHEM 232 Organic Chemistry II with Lab – CHEM 232X (5 credits) required	6
CHEM 231 Organic Chemistry I	3	General Elective	7
CHEM 231X Organic Chemistry I Lab	2		
Technical Elective	3		
Anything from PHED	1		
Liberal Arts and Sciences	3		
<b>TOTAL CREDITS</b>	<b>16</b>	<b>TOTAL CREDITS</b>	<b>16</b>
SEMESTER 5		SEMESTER 6	
BIOL 375 Cell Biology	3	BIOL 364 Biotechnology	2
BIOL 375X Cell Biology Lab	1	BIOL 364 X Biotechnology Lab	2
Liberal Arts and Sciences – CHEM 244 Instrumental Analysis with Lab CHEM 244X (4 credits) required	9	General Elective – CHEM 110 Forensic Science with Lab CHEM 110X (3 credits)	9
Technical Elective	3		
<b>TOTAL CREDITS</b>	<b>16</b>	<b>TOTAL CREDITS</b>	<b>13</b>
SEMESTER 7		SEMESTER 8	
BIOL 405 Theory/Methods in Biotechnology	3	BIOL 480 Internship in Biotechnology	6
BIOL 405X Theory/Methods in Biotechnology Lab	1	General Elective	6
Liberal Arts and Sciences	3		
BIOL 410 Molecular Genetics	3		
General Elective	5		
<b>TOTAL CREDITS</b>	<b>15</b>	<b>TOTAL CREDITS</b>	<b>12</b>