

# **MOUNT WACHUSETT COMMUNITY COLLEGE and FITCHBURG STATE UNIVERSITY**

Mount Wachusett Community College and Fitchburg State University agree to enter into an articulation agreement in the following academic disciplines:

*Biology, Chemistry or Liberal Arts & Sciences  
and  
Middle School or Secondary Education*

This agreement is set forth by Mount Wachusett Community College and Fitchburg State University in an effort to delineate a transfer student's best options in course selection. This document outlines advising recommendations, curriculum options, and course equivalencies where they exist. It signifies the ongoing commitment between these two institutions of higher education to promote coordinated curricula of the highest quality. As such, it bears with it the commitment of our respective faculty, and administrative staff to strengthen these ties and address the needs of our students in a mutually beneficial manner.

Students graduating from the Mount Wachusett Community College in the Biology, Chemistry or Liberal Arts and Sciences programs with a qualitative grade point average of 2.0 or greater may transfer to one of Fitchburg State University's Middle School or Secondary Education programs between 61 and 75 transfer credits.

## **Terms and Conditions of Transfer**

- A. Students graduating from the Mount Wachusett Community College's Associate of Science in Biology or Chemistry or Associate of Arts in Liberal Arts and Sciences, with a qualitative grade point average of 2.0 or greater, and upon completion of Fitchburg State University's admissions requirements, are guaranteed acceptance into one of the following Middle School or Secondary Education programs: Biology (8-12), Chemistry (8-12), English Studies (5-12), History (5-12), Interdisciplinary Studies Major with a General Science Initial Teacher License (5-8) or Mathematics Middle Level (5-8) or Mathematics, Secondary Education (8-12).
- B. In addition, between 61 and 75 transfer credits of these associate degree programs, will be accepted and applied to one of FSU's Middle School or Secondary Education programs.
- C. Students will be advised to complete the prescribed coursework, and electives, as listed in the attached program crosswalks. Failure to follow these recommendations may result in additional coursework requirements and longer time to degree completion at Fitchburg State.
- D. In order to prepare to transfer to Fitchburg State University, MWCC students will take three Education courses at Fitchburg State University. MWCC students will take BIOL/CHEM/HIST/MATH/SCI 1860 - Introduction to Education 5-12 or ENGL 1400 Introduction to Teaching English, EDU 2011 - Diversity in Ed. (5-12) and EDUC 2012 -

Teaching for the Adolescent Learner at Fitchburg State University at the same rate of tuition and fees that they pay at MWCC.

- E. Please note that Introduction to Education/Introduction to Teaching English course number and title is expected to change sometime in the next year. This will allow all Middle School Secondary Ed majors to register for this course under one course number. This new course will replace the old one and students in this program will also pay the same rate of tuition and fees that they pay at MWCC.
- F. Mount Wachusett Community College agrees to provide the data needed to create a Banner id at Fitchburg State University for the students participating in this program: name, date of birth, address, phone number, email address and social security number (social security numbers are only needed for Student Accounts to provide tax forms).
- G. Mount Wachusett's Financial Aid Office will create a consortium agreement for participating MWCC students so that financial aid can be used toward the cost of the three Fitchburg State University courses taken concurrently with MWCC courses.

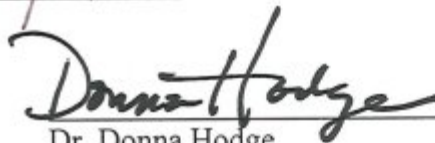
Acknowledging that students may transfer from a wide variety of majors, this agreement does not prohibit transfer to, or from, other programs of study at either institution. This agreement outlines the optimal transfer route from Mount Wachusett Community College to Fitchburg State University for students pursuing a career in the fields of Middle School or Secondary Education.

This articulation agreement does not supersede or in any way alter the statewide MassTransfer agreements currently in existence. Similarly, students taking advantage of the MassTransfer are encouraged to utilize these articulation agreements in preparation for their transfer to Fitchburg State University.

Signed on this day, 12/11/24



Dr. James Vander Hooven  
President  
Mount Wachusett Community College



Dr. Donna Hodge  
President  
Fitchburg State University

*TRANSFER ARTICULATION  
AGREEMENT*

*Between*

Mount Wachusett Community  
College

*and*

Fitchburg State  
University

*in*

Biology (BIO), Chemistry (CHEM) or  
Liberal Arts and Sciences (LAS)

-

Secondary Education

(Biology, Chemistry, English Studies, History or Mathematics)

or

Middle School (General Science or Mathematics)

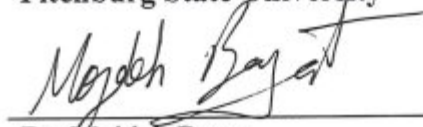
This agreement is effective as of November 2024 and will remain in effect until November 2027, with the provision that the terms specified herein will continue to apply to graduates who transfer from Mount Wachusett Community College to Fitchburg State University, within one year of the expiration of this agreement. The faculty at both institutions agree to meet annually to review the agreement and discuss modifications.

For: **Mount Wachusett Community College**

For: **Fitchburg State University**



Dr. Laurie Occhipinti  
Dean, School of Liberal Arts, Education,  
Humanities and Communications



Dr. Mojdeh Bayat  
Dean of Education



Dr. Ana Gaillat  
Senior Vice President of Academic Affairs



Dr. Patricia Marshall  
Provost and Executive Vice  
President

### Biology Crosswalk

	FSU courses	credits	MWCC courses	credits
Fall first year	FYE 1000: First Year Experience ENGL 1100 Writing I BIOL 1800 – General Biology I CHEM 1300 – General Chemistry I	14	ENG 101 – College Writing I BIO 118 – Biology I CHE 107 – Chemistry I PSY 105 – Intro to Psychology	14
Spring first year	ENGL 1200 – Writing I BIOL 1860 – Introduction to Education (5-12) BIOL 1900 – General Biology II CHEM 1400 – General Chemistry II MATH 1300 - Precalculus	18	ENG 102 – College Writing II BIOL 1860 (FSU) - Introduction to Education (5-12) BIO 119 – Biology II CHE 108 – Chemistry II MAT 163 Precalculus	18
Fall second year	BIOL 2300 – Ecology EDUC 2011 - Diversity in Education CHEM 2000 – Organic Chemistry I MATH $\geq$ 1300 MATH Elective Gen Ed/WS	17	BIO 116 - Ecology EDUC 2011 (FSU) - Diversity in Education CHE 207 - Organic Chemistry I MAT 143 - Statistics Literature or PHL elective	17
Spring second year	EDUC 2012: Teaching for the Adolescent Learner BIOL 2800 – Genetics CHEM 2100 – Organic Chemistry II Gen Ed/Exploration	14	EDUC 2012 (FSU) - Teaching for the Adolescent Learner BIO 210 - Genetics CHE 208 - Organic Chemistry II HUM elective	14

\*Student completes the A.S. in Biology at MWCC.

### Biology Articulation Table

Mount Wachusett Community College Biology*			Fitchburg State University Secondary Education - Biology		
<b>Fall First Year</b>					
<b>Credits</b>			<b>Credits</b>		
3	ENG 101	College Writing I	3	ENGL 1100	Writing I
4	BIO 118	Biology I	4	BIOL 1800	General Biology I
4	MAT 163	Precalculus	4	MATH 1300	Precalculus
4	CHE 107	General Chemistry I	4	CHEM 1300	General Chemistry I
<b>Spring First Year</b>					
3	ENG 102	College Writing II	3	ENGL 1200	Writing II
4	CHE 108	Chemistry II	4	CHEM 1400	General Chemistry II
4	BIO 119	Biology II	4	BIOL 1900	General Biology II
3		Social Science Elective	3		For Gen Ed Block
3	BIOL 1860	Introduction to Education 5-12 (FSU)	3	BIOL 1860	Introduction to Education 5-12 (FSU)
<b>Fall Second Year</b>					
4	BIO 116	Ecology	4	BIOL 2300	Ecology
4	CHE 207	Organic Chemistry I	4	CHEM 2000	Organic Chemistry I
3		Literature or PHL Elective	3		For Gen Ed Block
3	PSY 105	Introduction to Psychology	3	PSY 1100	Intro to Psychological Science
3	EDUC 2011	Diversity in Education (FSU)	3	EDUC 2011	Diversity in Education (FSU)
<b>Spring Second Year</b>					
4	BIO 210	Genetics	4	BIOL 2800	Genetics
4	CHE 208	Organic Chemistry II	4	CHEM 2100	Organic Chemistry II
3	MAT 143	Statistics	3	MATH 1700	Applied Statistics
3		Humanities Elective	3		For Gen Ed Block
3	EDUC 2012	Teaching for the Adolescent Learner (FSU)	3	EDUC 2012	Teaching for the Adolescent Learner (FSU)
<b>66</b>	<b>Total credits for associate degree</b>		<b>66</b>	<b>Transferred credits</b>	

<b>Four-year courses to be completed at Fitchburg State University</b>					
<b>Fall Third Year - 13 credits</b>					
3	BIOL 2XXX	2000 level or above Biology Elective			
4	PHYS 2300	General Physics I			
3	BIOL 3700	Bioethics			
3	SPED 3800	Inclusive Instruction (5-12)			
<b>Spring Third Year – 13 credits</b>					
3	BIOL 2XXX	2000 level or above Biology Elective			
4	PHYS 2400	General Physics II			
3	BIOL 3015	Methods of Teaching I			
3		Free Elective			
<b>Fall Fourth Year – 16 credits</b>					
4		Biology Capstone			
3	BIOL 4850	Methods of Teaching II			
3	EDUC 3122	Shelter English Immersion			
3	BIOL 2XXX	2000 level or above Biology Elective			
3		Free Elective			
<b>Spring Fourth Year – 12 credits</b>					
4.5	BIOL 4860	Biology Practicum in a Secondary School I			
4.5	BIOL 4870	Biology Practicum in a Secondary School II			
3	BIOL 4012	Practicum Seminar			
54	Total Credits at Fitchburg State University				

\*Students who complete an associate degree with these recommended courses have fulfilled their general education requirements for FSU.

### Chemistry Crosswalk

	FSU courses	credits	MWCC courses	credits
Fall first year	FYE 1000: First Year Experience MATH 1300 - Precalculus CHEM 1300 – General Chemistry I ENGL 1100 – Writing I	14	ENG 101 – College Writing I MAT 163 or higher - Precalculus CHE 107 – Chemistry I Social science elective Humanities elective	17
Spring first year	ENGL 1200 – Writing II CHEM 1860 – Introduction to Education (5-12) CHEM 1400 – General Chemistry II MATH 2300- Calculus I	17	ENG 102 – College Writing II CHEM 1860 – Introduction to Education (5-12) (FSU) CHE 108 – Chemistry II MAT 211 – Calculus I	14
Fall second year	EDUC 2011 - Diversity in Education CHEM 2000 – Organic Chemistry I MATH 2400 – Calculus II BIOL 1800 – General Biology I	15	EDUC 2011 (FSU) - Diversity in Education CHE 207 - Organic Chemistry I MAT 212 – Calculus II BIO 118 – Biology I	15
Spring second year	EDUC 2012: Teaching for the Adolescent Learner CHEM 2100 – Organic Chemistry II CHEM 2400 – Analytical Chemistry – 4c Gen Ed/ Exploration	17	EDUC 2012 (FSU) - Teaching for the Adolescent Learner CHE 208 - Organic Chemistry II PHY 105– College Physics or PHY 120 – Physics for Engineering or Science Humanities elective Social sciences elective	17

\*Student completes the A.S. in Chemistry at MWCC.

### Chemistry Articulation Table

Mount Wachusett Community College Chemistry*			Fitchburg State University Secondary Education - Chemistry		
<b>Fall First Year</b>					
<b>Credits</b>			<b>Credits</b>		
3	ENG 101	College Writing I	3	ENGL 1100	Writing I
4	MAT 163	Precalculus	4	MATH 1300	Precalculus plus elective
4	CHE 107	General Chemistry I	4	CHEM 1300	General Chemistry I
3		Social Science Elective	3		For Gen Ed Block
3		Humanities Elective	3		For Gen Ed Block
<b>Spring First Year</b>					
3	ENG 102	College Writing II	3	ENGL 1200	Writing II
4	CHE 108	Chemistry II	4	CHEM 1400	General Chemistry II
4	MAT 211	Calculus I	4	MATH 2300	Calculus I
3	CHEM 1860	Introduction to Education 5-12 (FSU)	3	CHEM 1860	Introduction to Education 5-12 (FSU)
<b>Fall Second Year</b>					
4	CHE 207	Organic Chemistry I	4	CHEM 2000	Organic Chemistry I
4	MAT 212	Calculus II	4	MATH 2400	Calculus II
4	BIO 118	Biology I	4	BIOL 1800	General Biology I
3	EDUC 2011	Diversity in Education (FSU)	3	EDUC 2011	Diversity in Education (FSU)
<b>Spring Second Year</b>					
4	CHE 208	Organic Chemistry II	4	CHEM 2100	Organic Chemistry II
4	PHY 105 or PHY 120	College Physics or Physics for Engineering and Science	4	PHYS 2300 or PHYS 2600	College Physics or Calculus-Based Physics
3		Social Science Elective	3		For Gen Ed Block
3		Humanities Elective	3		For Gen Ed Block
3	EDUC 2012	Teaching for the Adolescent Learner (FSU)	3	EDUC 2012	Teaching for the Adolescent Learner (FSU)
<b>63</b>	<b>Total credits for associate degree</b>		<b>63</b>	<b>Transferred credits</b>	



<b>Four-year courses to be completed at Fitchburg State University</b>					
<b>Fall Third Year – 16 credits</b>					
3	CHEM 3030	Biochemistry I			
4	PHYS 2400	General Physics II			
3	CHEM 3600	Descriptive Inorganic Chemistry			
3	SPED 3800	Inclusive Instruction (5-12)			
3		Free Elective			
<b>Spring Third Year – 14 credits</b>					
4	CHEM 2400	General Analytical Chemistry			
4	CHEM 3200	Physical Chemistry I			
3	CHEM 4750	Chemistry Seminar			
3	CHEM 3015	Methods of Teaching I			
<b>Fall Fourth Year – 15 credits</b>					
3	CHEM ≥ 3000	Chemistry Elective			
3	CHEM 4850	Methods of Teaching II			
3	CHEM 3030	Biochemistry I			
3	EDUC 3122	Sheltered English Immersion			
3		Free Elective			
<b>Spring Fourth Year – 12 credits</b>					
3	CHEM 4012	Practicum Seminar			
4.5	CHEM 4860	Chemistry Practicum in a Secondary School I			
4.5	CHEM 4870	Chemistry Practicum in a Secondary School II			
<b>57</b>	<b>Total Credits at Fitchburg State University</b>				

\*Students who complete an associate degree with these recommended courses have fulfilled their general education requirements for FSU.

### English Studies Crosswalk

	FSU courses	credits	MWCC courses	credits
Fall first year	ENGL 1100 Writing I MATH 1100 Math in Society (QR) SPCH xxxx Speech (WS) Gen Ed/Exploration FYE 1012 First Year Experience Seminar	15	ENG 101 – College Writing I MAT 143 or 163 Behavioral Social Science Elective HUM Elective General Elective I	15-16
Spring first year	ENGL 1200 Writing II ENGL 1400 Intro Mid/Second School Teaching [5-12] ENGL 2xxx American Literature Survey Gen Ed/Exploration Gen Ed/Exploration	15	ENG 102 – College Writing II SPC 113- Speech HUM Elective Lab Science Elective ENGL 1400 - Teaching English 5-12 (FSU)	16
Fall second year	ENGL 2999 Approaches to English Studies (LI) ENGL 2910 Literature for Young Adults ENGL 2xxx British Literature Survey EDUC 2011 Diversity in Education [5-12] Gen Ed/Exploration	15	EDUC 2011 - Diversity in Education (FSU) ENG 213 – American Literature I ENG 221- Women’s Literature Behavioral Social Science elective II Science elective	15-16
Spring second year	ENGL 3055 Structure & Nature of Language ENGL xxxx Literature Survey/Alt ENGL xxxx Continental/Post-Colonial Literature (DP) EDUC 2012 Teaching the Adolescent Learner [5-12] Gen Ed/Exploration	15	EDUC 2012 - Teaching the Adolescent Learner (FSU) ENG 290 – Advanced Writing and Research Non-Behavioral Social Science Elective ENG 239 – Creative Writing OR ENG 241 Journalism 1 Restricted elective: ENG 203, ENG 205, ENG 227, or ENG 289	15

\*Student completes the Liberal Arts and Sciences degree at MWCC.

**English Studies Articulation Table**

**Mount Wachusett Community College**  
**Liberal Arts & Sciences – Recommended courses\***

**Fitchburg State University**  
**Secondary Education – English Studies (5-12)**

**Fall First Year**

Credits			Credits		
3	ENG 101	College Writing I	3	ENGL 1100	Writing I
3 or 4	MAT 143/163	Statistics or Precalculus	3 or 4	MATH1700/1300	Applied Statistics or Precalculus
3		Behavioral Social Elective I	3		For Gen Ed Block
3		Humanities Elective	3		For Gen Ed Block
3		General Elective	3		Elective

**Spring First Year**

3	ENG 102	College Writing II	3	ENGL 1200	Writing II
3	SPC 113	Speech	3	SPCH 1000	Intro to Speech Communication
3		Humanities Elective	3		For Gen Ed Block
4		Lab Science Elective	4		For Gen Ed Block
3	ENGL 1400	Introduction to Teaching English 5-12 (FSU)	3	ENGL 1400	Introduction to Teaching English 5-12 (FSU)

**Fall Second Year**

3	EDUC 2011	Diversity in Education (FSU)	3	EDUC 2011	Diversity in Education (FSU)
3	ENG 213	American Literature I	3	ENGL 2000	American Literature I: Explore to Civil War
3	ENG 221	Women’s Literature	3	ENGL 3300	Women and Literature
3		Behavioral Social Elective II	3		For Gen Ed Block
3 or 4		Science Elective	3 or 4		For Gen Ed Block

**Spring Second Year**

3	EDUC 2012	Teaching for the Adolescent Learner (FSU)	3	EDUC 2012	Teaching for the Adolescent Learner
3	ENG 290	Advanced Writing and Research	3	IDIS 2995	Transfer Elective
3		Non-behavioral Social Science Elective	3		For Gen Ed Block
3	ENG 239/241	Creative Writing OR Journalism I	3	ENGL 2040 or ENGL 2800	Intro to Creative Writing OR Journalism OR other Professional Writing elective

3	ENG 203, 205, 227 or 289	Restricted Elective: 20 <sup>th</sup> Century American Writers, English Literature I, Shakespeare, or American Romanticism	3	ENGL 3210, 4020, 2200 or 4200	Major American Writers 20 <sup>th</sup> Century, Shakespeare's Drama, Brit Lit. I – Beowulf to Milton, Romantic Movement in U.S. Lit
<b>61-63</b>	<b>Total credits for associate degree</b>		<b>61-63</b>	<b>Transferred credits</b>	
<b>Four-year courses to be completed at Fitchburg State University</b>					
<b>Fall Third Year – 15 credits</b>					
3	ENGL 2999	Approaches to English Studies (LI)			
3	ENGL 2910	Literature for Young Adults			
3		British Literature Survey			
3	ENGL 2400, 2500, 3000, or 3100	Additional World Literature Survey of World Literature I, World Literature II, World Drama, or World Novel			
3	SPED 3800	Inclusive Instruction (5-12)			
<b>Spring Third Year – 15 credits</b>					
3	ENGL 3055	The Structure and Nature of Language			
3		Continental/Post-Colonial Literature			
3		Literary Movement/Alternate course			
3		Shakespeare/Alternate course			
3	ENGL 3082	Methods of Teaching English (5-12) I			
<b>Fall Fourth Year – 18 credits</b>					
3	ENGL 4999	English Studies Capstone			
3	ENGL 4XXX	Upper-Level Literature			
3	ENGL 4000	Major Authors			
3	ENGL 4400	JR/SR Seminar			
3	ENGL 4850	Methods in Teaching English (5-12) II			
3	EDUC 3122	Sheltered English Immersion			
<b>Spring Fourth Year – 12 credits</b>					
4.5	ENGL 4860	English Licensure Practicum I (5-12)			
4.5	ENGL 4870	English Licensure Practicum II (5-12)			
3	ENGL 4012	Practicum Seminar (5-12)			
<b>60</b>	<b>Total Credits at Fitchburg State University</b>				

\*Students who complete an associate degree with these recommended courses have fulfilled their general education requirements for FSU.

### General Science Crosswalk

	FSU courses	credits	MWCC courses	credits
Fall first year	ENGL 1100 – Writing I FYE 1000: First Year Experience BIOL 1800 – General Biology I MATH XXXX – Gen Ed/Foundation (QR) General Education Elective – (PW)	16	ENG 101 – College Writing I BIO 118 – Biology I MAT 143 Statistics or MAT 163 Precalculus Behavioral Social Science elective Social science elective	16
Spring first year	ENGL 1200 – Writing II SCI 1860 – Introduction to Education (5-12) BIOL 1900 – General Biology II General Education (ER) IDIS 1600 – Critical and Creative Thinking	16	ENG 102 – College Writing II SCI 1860 (FSU) - Introduction to Education (5-12) BIO 119 – Biology II SPC 113 - Speech PHL elective	16
Fall second year	BIOL 2300 – Ecology EDUC 2011 – Diversity in Education GEOG 2000 – Astronomy IDIS Elective General Education Elective	16	BIO 116 - Ecology EDUC 2011 (FSU) - Diversity in Education EAS 127 – Intro Astronomy Literature elective Social science elective	16
Spring second year	EDUC 2012: Teaching for the Adolescent Learner PHYS 1100 – Physical Sciences General Education Elective (SL) General Education Elective (CL) CHEM 1300 – General Chemistry I	15	EDUC 2012 (FSU) - Teaching for the Adolescent Learner PHY 101 – Intro to Physical Science ENG 290 – Advanced writing and research Social Science CHE 107 General Chemistry I	14

\*Student completes the Liberal Arts and Sciences degree at MWCC.

**General Science Articulation Table**

Mount Wachusett Community College Liberal Arts and Sciences – Recommended courses*			Fitchburg State University Interdisciplinary Studies – General Science (5-8)		
<b>Fall First Year</b>					
<b>Credits</b>			<b>Credits</b>		
3	ENG 101	College Writing I	3	ENGL 1100	Writing I
4	BIO 118	Biology I	4	BIOL 1800	General Biology I
4	MAT 143 or MAT 163	Statistics or Precalculus	4	MATH 1700 or MATH	Applied Statistics or Precalculus plus elective
3		Behavioral Social Elective	3		For Gen Ed Block
3		Social Science Elective	3		For Gen Ed Block
<b>Spring First Year</b>					
3	ENG 102	College Writing II	3	ENGL 1200	Writing II
3	SPC 113	Speech	3	SPCH 1000	Intro to Speech Communication
4	BIO 119	Biology II	4	BIOL 1900	General Biology II
3		Literature Elective	3		For Gen Ed Block
3	SCI 1860	Introduction to Education 5-12 (FSU)	3	SCI 1860	Introduction to Education 5-12 (FSU)
<b>Fall Second Year</b>					
4	BIO 116	Ecology	4	BIOL 2300	Ecology
3	EAS 127	Intro Astronomy	3	GEOG 2000	Astronomy
3		Social Science Elective	3		For Gen Ed Block
3		Literature Elective	3		For Gen Ed Block
3	EDUC 2011	Diversity in Education (FSU)	3	EDUC 2011	Diversity in Education (FSU)
<b>Spring Second Year</b>					
4	PHY 101	Intro to Physical Science	4		Substitute for PHYS 1100 Physical Sciences
4	CHE 107	General Chemistry I	4	CHEM 1300	General Chemistry I
3	ENG 290	Advanced writing and research	3	IDIS 2995	Transfer Elective
3	EDUC 2012	Teaching for the Adolescent Learner	3	EDUC 2012	Teaching for the Adolescent Learner
<b>63</b>	<b>Total credits for associate degree</b>		<b>63</b>	<b>Transferred credits</b>	

Four-year courses to be completed at Fitchburg State University					
<b>Fall Third Year – 15 credits</b>					
3	SPED 3800	Inclusive Instruction (5-12)			
3	GEOG 1000	Earth Systems Science			
3	IDIS 1600	Critical and Creative Thinking			
3		IDIS Elective			
3		IDIS Elective			
<b>Spring Third Year – 16 credits</b>					
3	SCI 3015	Methods of Teaching Science (5-8) I			
4	CHEM 1400	General Chemistry II			
3	GEOG 2100	Geology			
3		Advanced Science Elective			
3		Free Elective			
<b>Fall Fourth Year – 15 credits</b>					
3	SCI 4850	Methods of Teaching General Science			
3	EDUC 3122	Sheltered English Immersion			
3		Advanced Science Elective			
3		Advanced Science Elective			
3		Free Elective			
<b>Spring Fourth Year – 12 credits</b>					
3	SCI 4012	Practicum Seminar (5-12)			
4.5	SCI 4880	Practicum I General Science (5-8)			
4.5	SCI 4890	Practicum II in General Science (5-8)			
<b>58</b>	<b>Total Credits at Fitchburg State University</b>				

\*Students who complete an associate degree with these recommended courses have fulfilled their general education requirements for FSU.

### History Crosswalk

	FSU courses	credits	MWCC courses	credits
Fall first year	ENGL 1100 – Writing I FYE 1000: First Year Experience MATH 1700 – Applied Statistics HIST 1400 US History I HIST 1000 World Civ I	15	ENG 101 – College Writing I MAT 143 Statistics HIS 201 – History of the US I HIS 105 – History of World Civilization I HUM Elective	16
Spring first year	ENGL 1200 – Writing II HIST 1860 – Introduction to Education (5-12) POLS 1000 – US Government World Language - Speaking and Listening HIST 1500 US History II OR HIST 1100 World Civ II	15	ENG 102 – College Writing II HIST 1860 (FSU) - Introduction to Education (5-12) POL 211 – Intro to American Government and Politics SPC 113 Speech HIS 202 – US History II Or HIS 106 - History of World Civilization I	15
Fall second year	Reading Historical Landscapes Intro to Comparative Politics EDUC 2011 – Diversity in Education US History II or World Civ II ECON 1100- Macroeconomics	15	EDUC 2011 (FSU) - Diversity in Education POL Elective HIS 202 – US History II OR HIS 106 - History of World Civilization I ECO 101 – Macroeconomics Science Elective	15-16
Spring Second Year	Constricting Historical Landscapes EDUC 2012: Teaching for the Adolescent Learner History elective (US) Ethical Reasoning Fine arts expression and analysis	15	EDUC 2012 (FSU) - Teaching for the Adolescent Learner PHL 201 – Ethics ENG 290 – Advanced Writing and Research Lab Science Elective Literature Elective	16

\*Student completes the A.A. in Liberal Arts and Sciences at MWCC.



### History Articulation Table

Mount Wachusett Community College Liberal Arts and Sciences – Recommended courses*			Fitchburg State University Secondary Education – History (5-12)		
<b>Fall First Year</b>					
Credits			Credit		
3	ENG 101	College Writing I	3	ENGL 1100	Writing I
3	MAT 143	Statistics	3	MATH 1700	Applied Statistics
3	HIS 201	History of the US I	3	HIST 1400	US History I
3	HIS 105	History of World Civilization I	3	HIST 1000	World Civilizations I
3		Humanities Elective	3		For Gen Ed Block
<b>Spring First Year</b>					
3	ENG 102	College Writing II	3	ENGL 1200	Writing II
3	HIST 1860	Introduction to Education 5-12 (FSU)	3	HIST 1860	Introduction to Education 5-12 (FSU)
3	POL 211	Intro to American Government and Politics	3	POLS 1000	US Government
3	SPC 113, SPA 109 or FRE 107	Speech, Beginning Spanish or Beginning French	3	SPCH 1000, SPAN 1000 or FREN 1000	Introduction to Speech Communication, Beginning Spanish I or French for Beginners I (For Gen Ed Block)
3	HIS 202	History of the United States II	3	HIST 1500	US History II
<b>Fall Second Year</b>					
3	EDUC 2011	Diversity in Education (FSU)	3	EDUC 2011	Diversity in Education (FSU)
3		Political Science Elective	3		Political Science Elective
3	HIS 106	History of World Civilization I	3	HIST 1100	World Civilizations II
3	ECO 101	Macroeconomics	3	ECON 1100	Macroeconomics
3		Science Elective	3		For Gen Ed Block
<b>Spring Second Year</b>					
3	EDUC 2012	Teaching for the Adolescent Learner (FSU)	3	EDUC 2012	Teaching for the Adolescent Learner (FSU)
3	PHL 201	Ethics (or other Humanities Elective)	3	PHIL 2990	Transfer Elective (For Gen Ed Block)
3	ENG 290	Advanced Writing and Research	3	IDIS 2995	Transfer Elective
4		Lab Science Elective	4		For Gen Ed Block
3		Literature Elective	3		For Gen Ed Block
<b>61</b>	<b>Total credits for associate degree</b>		<b>61</b>	<b>Transferred credits</b>	

**Four-year courses to be completed at Fitchburg State University**

**Fall Third Year – 15 credits**

3	HIST 2021	Reading Historical Landscapes			
3	SPED 3800	Inclusive Instruction (5-12)			
3	HIST 2000+	2000+ History Elective (World)			
3	HIST 2000+	2000+ History Elective (U.S.)			
3		Free Elective			

**Spring Third Year – 18 credits**

3	HIST 2022	Constructing History			
3	HIST 2000+	2000+ History Elective (European)			
3	HIST 3010	Methods of Teaching History (5-12) I			
3		Free Elective			
3		Free Elective			
3		Free Elective			

**Fall Fourth Year – 15 credits**

3	HIST 4500	Senior Seminar			
3	HIST 4850	Methods in Teaching History (5-12) II			
3	EDUC 3122	Sheltered English Immersion			
3	HIST 2000+	2000+ History Elective			
3		Free Elective			

**Spring Fourth Year – 12 credits**

3	HIST 4012	Practicum Seminar (5-12)			
4.5	HIST 4860	Practicum in a Secondary School I			
4.5	HIST 4870	Practicum in a Secondary School II			

**60 Total Credits at Fitchburg State University**

\*Students who complete an associate degree with these recommended courses have fulfilled their general education requirements for FSU.

### Mathematics Crosswalk

	FSU courses	credits	MWCC courses	credits
Fall first year	ENGL 1100 – Writing I FYE 1000: First Year Experience MATH 1300 – Precalculus OR MATH 2300 Calculus I GEN ED GEN ED	16	ENG 101 – College Writing I Humanities Elective MAT 163 - Precalculus OR MAT 211- Calculus I Behavioral Social Science Science Elective	16
Spring first year	ENGL 1200 - Writing II GEN ED - Foundation MATH 1860 - Intro. to Ed. (5-12) MATH 2300 - Calculus I OR MATH 2400 - Calculus II GEN ED OR MATH 2550 - Symbolic Computational Math		ENG 102 – College Writing II SPC 113 – Speech MAT 211 – Calculus I) OR MAT 212 – Calculus II MATH 1860 (FSU) - Introduction to Education (5-12) Lab Science	17
Fall second year	MATH 2400 - Calculus II OR GEN ED MATH 2500 - Intro. to Math Thought MATH 2600 - Linear Algebra EDUC 2011 - Diversity in Ed. (5-12) GEN ED		MAT 212 – Calculus II OR CIS 150 Computer Science I Literature Elective (no equivalent course) Social science elective MAT 220 – Linear Algebra EDUC 2011 (FSU) - Diversity in Ed. (5-12) Literature elective	16-17
Spring second year	MATH 3350 - Multivariate Calculus MATH 2550 - Symbolic Computational Math OR MATH XXXX - Math Elective EDUC 2012 - Teaching Adolescent Learner (5-12) GEN ED GEN ED		MAT 213 – Calculus III (no equivalent course) MAT 230 Ordinary Differential Equations EDUC 2012 (FSU) - Teaching Adolescent Learner (5-12) Social Science Elective	14

\*Student completes the Liberal Arts and Sciences degree at MWCC.

### Mathematics Articulation Table

**Mount Wachusett Community College  
Liberal Arts and Sciences – Recommended courses\***

**Fitchburg State University  
Secondary Education –  
Mathematics (8-12) and Middle Level (5-8)**

#### Fall First Year

Credits			Credits		
3	ENG 101	College Writing I	3	ENGL 1100	Writing I
3		Humanities Elective	3		For Gen Ed Block
4	MAT 163 or MAT 211	Precalculus or Calculus I	4	MATH 1300 or MATH 2300	Precalculus or Calculus I
3		Behavioral Social Science	3		For Gen Ed Block
3		Science Elective	3		For Gen Ed Block

#### Spring First Year

3	ENG 102	College Writing II	3	ENGL 1200	Writing II
3	SPC 113	Speech	3	SPCH 1000	Intro to Speech Communication
4	MAT 211 or MAT 212	Calculus I or Calculus II	4	MATH 2300 or MATH 2400	Calculus I or Calculus II
3	MATH 1860	Introduction to Education 5-12 (FSU)	3	MATH 1860	Introduction to Education 5-12 (FSU)
4		Lab Science Elective	4		For Gen Ed Block

#### Fall Second Year

4	MAT 212 or CIS 150	Calculus II or Computer Science I	4	MATH 2400 or CSC 1500	Calculus II or Computer Science I
3		Literature Elective	3		For Gen Ed Block
3		Social Science Elective	3		For Gen Ed Block
4	MAT 220	Linear Algebra	4	MATH 2600 + MATH 1990	Linear Algebra + Elective
3	EDUC 2011	Diversity in Education (FSU)	3	EDUC 2011	Diversity in Education (FSU)

#### Spring Second Year

4	MAT 213	Calculus III	4	MATH 3350	Multivariate Calculus
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4	MAT 230	Ordinary Differential Equations	4	MATH 3550 + MATH 2990	Ordinary Differential Equations + Elective
3	EDUC 2012	Teaching for the Adolescent	3	EDUC 2012	Teaching for the Adolescent Learner (FSU)
3		Social Science Elective	3		For Gen Ed Block
<b>64</b>	<b>Total credits for associate degree</b>		<b>64</b>	<b>Transferred credits</b>	
<b>Four-year courses to be completed at Fitchburg State University for Secondary Education (8-12)</b>					
<b>Fall Third Year – 15 credits</b>					
3	MATH 2500	Introduction to Mathematical			
3	MATH 4200	Probability and Statistics I			
3	MATH 4000+	4000 level MATH elective			
3	SPED 3800	Inclusive Instruction (5-12)			
3		Free Elective			
<b>Spring Third Year – 13 credits</b>					
3	MATH 2550	Symbolic Computational			
3	MATH 3000	Geometry			
1	MATH 3900	Mathematics Seminar			
3	CSC 1500	Computer Science I or Free Elective if transferred in CIS 150)			
3	MATH 3010	Methods of Teaching Mathematics (5-12) I			
<b>Fall Fourth Year – 16 credits</b>					
3	MATH 4300	Abstract Algebra			
3	MATH 4000+	4000 level MATH elective			
3	EDUC 3122	Sheltered English Immersion			
3	MATH 4850	Methods of Teaching Mathematics (5-12) II			
4		Free Elective			
<b>Spring Fourth Year – 12 credits</b>					
3	MATH 4012	Practicum Seminar (5-12)			
4.5	MATH 4860	Practicum in a Secondary School I			
4.5	MATH 4870	Practicum in a Secondary School II			
<b>56</b>	<b>Total Credits at Fitchburg State University</b>				

**Four-year courses to be completed at Fitchburg State University for Middle School Education (5-8)**

**Fall Third Year – 15 credits**

3	MATH 2500	Introduction to Mathematical			
3	MATH 4200	Probability and Statistics I			
3	MATH 4000+	4000+ level MATH elective			
3	SPED 3800	Inclusive Instruction (5-12)			
3		Free Elective			

**Spring Third Year – 13 credits**

3	MATH 2550	Symbolic Computational			
3	MATH 3000	Geometry			
1	MATH 3900	Mathematics Seminar			
3	CSC 1500	Computer Science I or Free			
3	MATH 3010	Methods of Teaching Mathematics			

**Fall Fourth Year – 16 credits**

3	MATH 4300	Abstract Algebra			
3	MATH 4000+	4000+ level MATH elective			
3	EDUC 3122	Sheltered English Immersion			
3	MATH 4850	Methods of Teaching Mathematics			
4		Free Elective			

**Spring Fourth Year – 12 credits**

3	MATH 4012	Practicum Seminar (5-12)			
4.5	MATH 4020	Practicum in Middle School (5-8)			
4.5	MATH 4030	Practicum in Middle School (5-8)			

**56 Total Credits at Fitchburg State University**

\*Students who complete an associate degree with these recommended courses have fulfilled their general education requirements for FSU.