

**BS in Biology Integrative Track w/UFTeach Minor
Sample 4-Year Schedule (start minor semester 3)**

	Credits
Semester 1, Fall	
General Chemistry 1 w/Lab, CHM 2045, 2045L	4
Calculus 1, MAC 2311 (GE-M)	4
What Is the Good Life?, HUM 2305 (GE-H)	3
Composition (GE-C, 6K GR)	<u>3</u>
	14
Semester 2, Spring	
General Chemistry 2 w/Lab, CHM 2046, 2046L	4
Calculus 2, MAC 2312, or Statistics, STA 2023	4-3
Integrated Principles of Biology 1 w/Lab, BSC 2010, 2010L	4
Foreign Language	<u>5</u>
	16-17
Semester 3, Fall	
Integrated Principles of Biology 2 w/Lab, BSC 2011, 2011L	4
Organic Chemistry 1, CHM 2210	3
Explorations, MAE 2364	3
Foreign Language	<u>5</u>
	15
Semester 4, Spring	
Organic Chemistry 2 w/lab, CHM 2211, 2211L	5
Physics 1 w/Lab, PHY 2053, 2053L, or PHY 2048, 2048L, or PHY 2004, 2004L	5-4
Research Methods, ISC 3523C	3
Social and Behavioral Science (GE-S)	<u>3</u>
	15-16
Summer	
Knowing and Learning, SMT 3100 (GE-S)	3
Content Area Literacy, RED 3312	3
Humanities (GE-H)	<u>3</u>
	9
Semester 5, Fall	
Physics 2 w/Lab, PHY 2054, 2054L, or PHY 2049, 2049L, PHY 2005,2005L	5-4
Invertebrate Biodiversity, ZOO 4205C, or Vertebrate Diversity, ZOO 4307C	4
Plant Biodiversity, BOT 2011C, or Practical Plant Taxonomy, BOT 2710	4-3
Classroom Interactions, SMT 3301C	3
	14-16
Semester 6, Spring	
Genetics, PCB 3063	4
Social and Behavioral Science (GE-S)	3
Composition (GE-C, 6K GR)	3
Project-Based Instruction, SMT 3664	3
	13
Semester 7, Fall	
Evolution, PCB 4674	4
General Ecology, PCB 4043C	4
Animal Physiology, PCB 4723C, or Plant Physiology w/Lab, BOT 3503, 3503L	5
Perspectives in Science and Mathematics, HPS 3003, (GE-H, 6K GR)	3
	16
Semester 8, Spring	
Critical Analysis of Biological Research, BSC 4936	2
Apprentice Teaching, SMT 4945 and EDG 4930	6
	8

Note: This plan assumes that the additional 6K GR words and the International and Diversity credits will be earned as part of the General Education requirements.

BS in Biology Secondary Education Track
Sample 4-Year Schedule (start minor semester 2)

	Credits
Semester 1, Fall	
General Chemistry 1 w/Lab, CHM 2045, 2045L	4
What Is the Good Life?, HUM2305 (GE-H)	3
Composition (GE-C; 6K GR)	3
Social and Behavioral Science (GE-S)	<u>3</u>
	13
Semester 2, Spring	
General Chemistry 2 w/Lab, CHM 2046, 2046L	4
Calculus 1, MAC 2311 (GE-M)	4
Explorations, MAE 2364	3
Humanities (GE-H)	<u>3</u>
	14
Summer	
Knowing and Learning, SMT 3100 (GE-S)	3
Content Area Literacy, RED 3312	3
Humanities (GE-H)	<u>3</u>
	9
Semester 3, Fall	
Integrated Principles of Biology 1 w/Lab, BSC 2010, 2010L	4
Calculus 2, MAC 2312, or Statistics, STA 2023, or Functions & Modeling, MAT 3503 (GE-M)	3-4
Basic Organic Chemistry w/Lab, CHM 2200, 2200L	4
Classroom Interactions, SMT 3301C	<u>3</u>
	14-15
Semester 4, Spring	
Integrated Principles of Biology 2 w/Lab, BSC 2011, 2011L	4
Research Methods, ISC 3523C	3
Composition (GE-C; 6K GR)	3
Foreign Language	<u>5</u>
	15
Semester 5, Fall	
Invertebrate Biodiversity, ZOO 4205C, or Vertebrate Diversity, ZOO 4307C	4
Plant Biodiversity, BOT 2011C, or Practical Plant Taxonomy, BOT 2710	4-3
Perspectives on Science & Mathematics, HPS 3003 (GE-H; 6K GR)	3
Foreign Language	<u>5</u>
	15-16
Semester 6, Spring	
Genetics, PCB 3063	4
General Ecology, PCB 4043C	4
Physics 1 w/Lab, PHY 2053, 2053L, or Applied Physics 1 w/Lab, PHY 2004, 2004L	5-4
Project-Based Instruction, SMT 3664	3
	15-16
Semester 7, Fall	
Evolution, PCB 4674	4
Physics 2 w/Lab, PHY 2054, 2054L, or Applied Physics 1 w/Lab, PHY 2005, 2005L	5-4
Social and Behavioral Science (GE-S)	3
Microbiology w/Lab, MCB 3020, 3020L, or Animal Physiology, PCB 4723C, or Plant Physiology w/Lab, BOT 3503, 3503L	<u>4-5</u>
	15-17
Semester 8, Spring	
Critical Analysis of Biological Research	2
Apprentice Teaching, SMT 4945 and EDG 4930	6
	8

Note: This plan assumes that the additional 6K GR words and the International and Diversity credits will be earned as part of the General Education requirements.

BS in Biochemistry w/UFTeach Minor
Sample 4-Year Schedule (start minor semester 3)

	Credits
Semester 1, Fall	
General Chemistry 1 w/Lab (CHM 2045, 2045L)	4
Integrated Principles of Biology 1 w/Lab I (BSC 2010, 2010L)	4
What Is the Good Life?, HUM 2305 (GE-H)	3
Composition (GE-C, 6K GR)	<u>3</u>
	14
Semester 2, Spring	
General Chemistry 2 w/Lab (CHM 2046, 2046L)	4
Integrated Principles of Biology 2 w/Lab (BSC 2011, 2011L)	4
Calculus 1, MAC 2311	4
Foreign Language	<u>5</u>
	17
Semester 3, Fall	
Organic Chemistry 1, CHM 2212	3
Calculus 2, MAC 2312	4
Foreign Language	5
Explorations	<u>3</u>
	15
Semester 4, Spring	
Organic Chemistry 2 w/Lab, CHM 2213, 2211L	5
Physics 1 w/Lab, PHY 2053, 2053L	5
Social and Behavioral Science (GE-S)	3
Research Methods, ISC 3523C (Biochem elective)	<u>3</u>
	16
Summer	
Knowing and Learning, SMT 3100 (GE-S)	3
Content Area Literacy, RED 3312	3
Humanities (GE-H)	<u>3</u>
	9
Semester 5, Fall	
Analytical Chemistry w/Lab, CHM 3120, 3120L	4
Biochemistry, CHM 3218	4
Physics 2 w/Lab, PHY 2054, 2054L	5
Classroom Interactions, SMT 3301C	<u>3</u>
	16
Semester 6, Spring	
Biophysical Chemistry, CHM 3400	3
Biochemistry Lab, CHM 4300L	2
Inorganic Chemistry, CHM 3610	3
Composition (GE-C, 6K GR)	3
Project-Based Instruction, SMT 3664	<u>3</u>
	14
Semester 7, Fall	
Biophysical Chemistry Lab, CHM 4413L	2
Basic Biology of Microorganisms, MCB 3020	3
Social and Behavioral Science (GE-S)	3
Elective	3
Perspectives in Science and Mathematics, HPS 3003 (GE-H, 6K GR)	<u>3</u>
	14
Semester 8, Spring	
Biochemistry Elective	3
Apprentice Teaching, SMT 4945 and EDG 4930	<u>6</u>
	9

Note: This plan assumes that the additional 6K GR words and the International and Diversity credits will be earned as part of the General Education requirements.

BS in Chemistry w/UFTeach Minor
Sample 4-Year Schedule (start minor semester 3)

	Credits
Semester 1, Fall	
General Chemistry 1 w/Lab (CHM 2045, 2045L)	4
Calculus 1, MAC 2311	4
What Is the Good Life (GE-H)	3
Composition (GE-C, 6K GR)	<u>3</u>
	14
Semester 2, Spring	
General Chemistry 2 w/Lab (CHM 2046, 2046L)	4
Calculus 2, MAC 2312	4
Foreign Language	5
Social/Behavioral Science (GE-S)	<u>3</u>
	16
Semester 3, Fall	
Organic Chemistry 1, CHM 2212	3
Calculus 3, MAC 2313	4
Foreign Language	5
Explorations	<u>3</u>
	15
Semester 4, Spring	
Organic Chemistry 2 w/Lab, CHM 2213, 2211L	5
Physics w/Calculus 1 w/Lab, PHY 2048, 2048L	4
Research Methods, ISC 3523C	3
Social and Behavioral Science (GE-S)	<u>3</u>
	15
Summer	
Knowing and Learning, SMT 3100 (GE-S)	3
Content Area Literacy, RED 3312	3
Humanities (GE-H)	<u>3</u>
	9
Semester 5, Fall	
Analytical Chemistry w/Lab, CHM 3120, 3120L	4
Classroom Interactions, SMT 3301C	3
Physics w/Calculus 2 w/Lab, PHY 2049, 2049L	4
Composition (GE-C, 6K GR)	<u>3</u>
	13
Semester 6, Spring	
Instrumental Analysis w/Lab, CHM 4130, 4130L	5
Physical Chemistry 1, CHM 4411	4
Biological Science (GE-B)	3
Project-Based Instruction, SMT 3664	<u>3</u>
	15
Semester 7, Fall	
Physical Chemistry 2, CHM 4412	4
Physical Chemistry Lab, CHM 4411L or 4413L	2
Perspectives in Science and Mathematics, HPS 3003 (GE-H, 6K GR)	3
Electives	<u>6</u>
	15
Semester 8, Spring	
Inorganic Chemistry, CHM 3610	3
Apprentice Teaching, SMT 4945 and EDG 4930	<u>6</u>
	9

Note: This plan assumes that the additional 6K GR words and the International and Diversity credits will be earned as part of the General Education requirements.

**BA in Geology, Environmental Geosciences w/UFTeach Minor
Sample 4-Year Schedule (start minor semester 3)**

	Credits
Semester 1, Fall	
Statistics, STA 2023 (GE-M)	3
Foreign Language	5
Composition (GE-C, 6K GR)	3
What Is the Good Life?, HUM 2305 (GE-H)	<u>3</u>
	14
Semester 2, Spring	
Physical Geology, GLY 2010C, or Physical Geography w/lab, GEO 2200, 2200L (GE-P)	4
Foreign Language	5
Biological Science (GE-B)	3
Social and Behavioral Science (GE-S)	<u>3</u>
	15
Semester 3, Fall	
Physical Geography w/lab, GEO 2200, 2200L, or Physical Geology, GLY 2010C (GE-P)	4
Historical Geology, GLY 2100C, or Evolution of Earth and Life, GLY 3105C (GE-P)	4
Social and Behavioral Sciences (GE-S)	3
Explorations	<u>3</u>
	14
Semester 4, Spring	
Mathematics (GE-M)	3-4
Earth Materials, GLY 3202C	4
Research Methods, ISC 3523C	3
Foundations of Geographic Info Systems, GIS 3043	<u>4</u>
	14-15
Summer	
Knowing and Learning, SMT 3100 (GE-S)	3
Content Area Literacy, RED 3312	3
Humanities (GE-H)	<u>3</u>
	9
Semester 5, Fall	
Oceans and Climate, GLY 3074	3
Geography elective	3
Classroom Interactions, SMT 3301C	3
Social and Behavioral Science (GE-S)	3
Biological Science (GE-B)	<u>3</u>
	15
Semester 6, Spring	
Hydrology and Human Affairs, GLY 3882C	3
Geography elective	3-4
Composition (GE-C, 6K GR)	3
Project-Based Instruction, SMT 3664	<u>3</u>
	15-16
Semester 7, Fall	
Geological Field Methods, GLY 4750L	2
Perspectives in Science and Mathematics, HPS 3003 (GE-H, 6K GR)	3
Geography elective	3
Electives	<u>6</u>
	14
Semester 8, Spring	
Elective (6K GR)	3
Apprentice Teaching, SMT 4945 and EDG 4930	<u>6</u>
	9

Note: This plan assumes that the International and Diversity credits will be earned as part of the General Education requirements.

BA in Mathematics w/UFTeach Minor
Sample 4-Year Schedule (start minor semester 3)

	Credits
Semester 1, Fall	
Calculus 1, MAC 2311	4
Biological Science (GE-B)	3
What Is the Good Life?, HUM 2305 (GE-H)	3
Composition (GE-C, 6K GR)	<u>3</u>
	13
Semester 2, Spring	
Calculus 2, MAC 2312	4
Biological or Physical Science (GE-B or P)	3
Composition (GE-C, 6K GR)	3
Social and Behavioral Science (GE-S)	<u>3</u>
	13
Semester 3, Fall	
Calculus 3, MAC 2313	4
Functions and Modeling, MAT 3503	3
Explorations, MAE 2364	3
Biological or Physical Science (GE-B or P)	3
Elective	<u>3</u>
	16
Semester 4, Spring	
Numbers and Polynomials, MAS 3300	3
Elementary Differential Equations, MAP 2302	3
Foreign Language	5
Research Methods, ISC 3523C (GE-B or P, Science Lab)	<u>3</u>
	14
Summer	
Knowing and Learning, SMT 3100 (GE-S)	3
Content Area Literacy, RED 3312	3
Humanities (GE-H)	<u>3</u>
	9
Semester 5, Fall	
Linear Algebra 1, MAS 4105	4
Euclidean Geometry, MTG 3214, or Geometry, MTG 3212	3
Foreign Language	5
Classroom Interactions, SMT 3301C	<u>3</u>
	15
Semester 6, Spring	
Abstract Algebra 1, MAS 4301	3
Mathematical Statistics 1, STA 4321	3
Project-Based Instruction, SMT 3664	3
Social and Behavioral Science (GE-S)	3
Elective	<u>4</u>
	16
Semester 7, Fall	
Advanced Calculus 1, MAA 4102	3
Complex Functions, MAA 4402, or Mathematical Statistics 2, STA 4322	3
Perspectives in Science and Mathematics, HPS 3003 (GE-H, 6K GR)	3
Electives	<u>6</u>
	15
Semester 8, Spring	
Advanced Calculus 2, MAA 4103	3
Apprentice Teaching, SMT 4945 and EDG 4930	<u>6</u>
	9

Note: This plan assumes that the International and Diversity credits will be earned as part of the General Education requirements.

BA in Physics w/UFTeach Minor
Sample 4-Year Schedule (start minor semester 3)

	Credits
Semester 1, Fall	
Calculus 1, MAC 2311	4
General Chemistry 1 w/Lab, CHM 2045, 2045L	4
Composition (GE-C, 6K GR)	3
What Is the Good Life?, HUM 2305 (GE-H)	<u>3</u>
	14
Semester 2, Spring	
Calculus 2, MAC 2312	4
Physics w/Calculus 1 w/Lab, PHY 2048 or 2060, 2048L	4
General Chemistry 2 w/Lab, CHM 2046, 2046L	4
Humanities (GE-H)	<u>3</u>
	15
Semester 3, Fall	
Calculus 3, MAC 2313	4
Enriched Physics w/Calculus 2 w/Lab, PHY 2061, 2049L	4
Foreign Language	5
Explorations, MAE 2364	<u>3</u>
	16
Semester 4, Spring	
Introduction to Modern Physics, PHY 3101	3
Elementary Differential Equations, MAP 2302	3
Foreign Language	5
Research Methods, ISC 3523C	<u>3</u>
	14
Summer	
Knowing and Learning, SMT 3100 (GE-S)	3
Content Area Literacy, RED 3312	3
Humanities (GE-H)	<u>3</u>
	9
Semester 5, Fall	
Mechanics 1, PHY 3221	3
Thermal Physics 1, PHY 3513	3
Biological Science (GE-B)	3
Math Elective	3
Classroom Interactions, SMT 3301C	<u>3</u>
	15
Semester 6, Spring	
Electromagnetism 1, PHY 3323	3
PHY course (4000-level)	3
Composition (GE-C, 6K GR, ENC 3254, Writing in the Discipline, recommended)	3
Project-Based Instruction, SMT 3664	3
Biological Science (GE-B)	<u>3</u>
	15
Semester 7, Fall	
Introductory Quantum Mechanics, PHY 4604	3
Laboratory Physics 1, PHY 4802L	3
Social and Behavioral Sciences (GE-S)	3
PHY course (4000 level)	3
Perspectives in Science and Mathematics, HPS 3003 (GE-H, 6K GR)	<u>3</u>
	15
Semester 8, Spring	
Social and Behavioral Science (GE-S)	3
Apprentice Teaching, SMT 4945	6
Note: This plan assumes that International and Diversity credits will be earned as part of the General Education requirements.	<u>9</u>

BA in Astronomy w/UFTeach Minor
Sample 4-Year Schedule (start minor semester 3)

	Credits
Semester 1, Fall	
Calculus 1, MAC 2311	4
Composition (GE-C)	3
Biological Sciences (GE-B)	3
What Is the Good Life?, GE-H)	3
Humanities (GE-H)	<u>3</u>
	16
Semester 2, Spring	
Calculus 2, MAC 2312	4
Physics w/Calculus 1 w/Lab, PHY 2048, 2048L	4
Biological Sciences (GE-B)	3
Social and Behavioral Sciences (GE-S)	<u>3</u>
	14
Semester 3, Fall	
Calculus 3, MAC 2313	4
Astronomy and Astrophysics 1, AST 3018	3
Physics w/Calculus 2 w/Lab, PHY 2049, 2049L	4
Composition (GE-C, WR)	3
Explorations, MAE 2364	<u>3</u>
	17
Semester 4, Spring	
Astronomy and Astrophysics 2, AST 3019	3
Observational Techniques 1	3
Humanities (GE-H)	3
Research Methods, ISC 3523C	<u>3</u>
	12
Summer	
Knowing and Learning, SMT 3100 (GE-S)	3
Content Area Literacy, RED 3312	3
Social and Behavioral Science (GE-S)	<u>3</u>
	9
Semester 5, Fall	
AST course (3000 or 4000 level)	3
Introduction to Modern Physics, PHY 3101	3
Foreign Language	5
Classroom Interactions, SMT 3301C	<u>3</u>
	14
Semester 6, Spring	
AST course (3000 or 4000 level)	3
Foreign Language	5
Social and Behavioral Science (GE-S)	3
Project-Based Instruction, SMT 3664	<u>3</u>
	14
Semester 7, Fall	
AST course (3000 or 4000 level)	3
Electives	9
Perspectives in Science and Mathematics, HPS 3003 (GE-H, 6K GR)	<u>3</u>
	15
Semester 8, Spring	
AST or PHY course (3000 or 4000 level), or Physical Basis of Music, PHY 2464	3
Apprentice Teaching, SMT 4945 and EDG 4930	<u>6</u>
	9

Note: This plan assumes that the International and Diversity credits will be earned as part of the General Education requirements.