

SECONDARY EDUCATION BIOLOGICAL SCIENCE 9-ADULT

REQUIREMENTS

CORE CURRICULUM The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at marshall.edu/gened.

CORE 1: CRITICAL THINKING

CODE	COURSE NAME	HRS	GRADE
FYS 100	First Year Seminar	3	_____
_____	Critical Thinking Course	3	_____
_____	Critical Thinking Course	3	_____

CORE 2:

CODE	COURSE NAME	HRS	GRADE
ENG 101	Beginning Composition	3	_____
ENG 201	Advanced Composition	3	_____
CMM 103	Fund Speech-Communication	3	_____
MTH 127 or 130	College Algebra	3	_____
BSC 120	Principles of Biology	4	_____
_____	Core II Humanities	3	_____
_____	Core II Fine Arts	3	_____
_____	Core II Social Science	3	_____

Additional University Requirements

_____	Writing Intensive	3	_____
_____	Writing Intensive	3	_____
_____	Multicultural or International	3	_____
CI 451	Capstone	12	_____

TEACHING SPECIALIZATION

All Biological Science 9-Adult majors are required to take the following courses:

CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
MTH 122	Plane Trigonometry	3	_____	BSC 416	Plant Taxonomy	4	_____
MTH 127 or 130	College Algebra	3	_____	CHM 211	Principles of Chemistry I	3	_____
BSC 120	Principles of Biology	4	_____	CHM 217	Principles of Chemistry I Lab	2	_____
BSC 121	Principles of Biology	4	_____	CHM 212	Principles of Chemistry II	3	_____
BSC 227	Human Anatomy	4	_____	CHM 218	Principles of Chemistry II Lab	2	_____
BSC 302, 430, 460	BSC Elective	3-4	_____	GLY 200	The Dynamic Earth	3	_____
BSC 312	Invertebrate Zoology	4	_____	GLY 210L	Earth Materials Lab	1	_____
BSC 320	Principles of Ecology	4	_____	PHY 201	College Physics I	3	_____
BSC 322	Principles of Cell Biology	4	_____	PHY 202	General Physics I Lab	1	_____
BSC 324	Principles of Genetics	4	_____	PS 325	Dev Scientific Thought	4	_____
				BSC 491	Capstone Experience	2	_____

PROFESSIONAL EDUCATION CORE

Students who wish to major in Biological Science 9-Adult must take the following Professional Education Core courses:

CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
EDF 201	Ed Psych Developing Learner	3	_____	CISP 422	Differentiate Instruction	3	_____
CISP 421	Child with Exceptionalities	3	_____	CI 470	Residency I	0	_____
EDF 435	Classroom Assessment	3	_____	CI 451	Residency II – Secondary	12	_____
EDF 475	Schools in a Diverse Society	3	_____	EDF 200	Pre-Residency Clinical	0	_____
CI 345	Crit Read Writ & Thinking	3	_____	EDF 200	Pre-Residency Clinical	0	_____
CI 449	Instr & Classroom Mgt Sec Ed	3	_____	EDF 200	Pre-Residency Clinical	0	_____
CI 415	Int Meth & Mat: Sec Ed	3	_____	EDF 200	Pre-Residency Clinical	0	_____

MAJOR INFORMATION

Admission requirements for ADMI 4:

- Grade Point Average of 2.80 or higher (both MU and overall), 2. EDF 201 (grade "C" or better) and EDF 200 (credit), 3. Passing scores on the PRAXIS Core exam – all 3 areas (EXEMPT from PRAXIS Core exam with SAT 1240 or ACT composite 26 or higher), 4. Portfolio in LiveText which includes: Self-Assessment, Writing Sample and three Recommendations, 5. 21 ACT composite score, 6. MU students: Completion of 26 credits hours, 7. Transfer students: Completion of 12 Marshall University credit hours

Admission requirements for ADMI 5:

- 12 hours of completed Professional Education Core courses, 2. 2.8 GPA overall, at MU, and in Teaching Specialization, 3. 3.0 GPA in Professional Education Core

Admission requirements for Residency II:

- 2.8 GPA overall, at MU, and in Teaching Specialization, 2. 3.0 GPA in Professional Education Core.

- Many courses require clinical experience in public school during normal school hours. Schedule open time accordingly.
- STUDENTS SHOULD MONITOR THEIR PROGRAM OF STUDY CAREFULLY DUE TO ONGOING CURRICULAR CHANGES.
- ALL coursework in Teaching Specialization and Professional Education Core must be completed with a grade of C or better.
- West Virginia law mandates that all persons entering a school or having contact with students must have completed a background check and have not been found on the sexual offender registry prior to entering a school. Each county and school can also use the results of that background check as a basis for admitting or denying admittance. It is the procedure of the Marshall University College of Education and Professional Development that every student will obtain a background check prior to being placed in a school setting.

Milestone Course: This is a key success marker for your major. See your advisor to discuss importance of this course in your plan of study.

SECONDARY EDUCATION BIOLOGICAL SCIENCE 9-ADULT

The College of Education and Professional Development has the distinction of being the oldest part of Marshall University. The CIF (Curriculum, Instruction, & Foundations) program includes elementary, secondary, educational foundations, and educational computing for pre-service teachers. The secondary programs are designed for those wanting to teach content to middle school and/or high school students. The educational foundations and computing courses are designed for those entering the education field. Students receive broad content knowledge in the core academic area of choice as well as in the art and science of teaching children.

YEAR ONE	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
	_____	Core II Fine Arts	3	_____	BSC 120	Principles of Biology	4	_____
	MTH 127/130	College Algebra	3-5	_____	GLY 200	The Dynamic Earth	3	_____
	CMM 103	Fund Speech Communication	3	_____	GLY 210L	Earth Materials Lab	1	_____
	ENG 101	Beginning Composition	3	_____	MTH 122	Plane Trigonometry	3	_____
	FYS 100	First Yr Sem Critical Thinking	3	_____	ENG 201	Advanced Composition	3	_____
	UNI 100	Freshman First Class	1	_____	_____	Critical Thinking (WI)	3	_____
	TOTAL HOURS		16-18		TOTAL HOURS		17	
	Summer Term (optional):							

YEAR TWO	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
	BSC 121	Principles of Biology	4	_____	BSC 227	Human Anatomy	4	_____
	CHM 211	Principles of Chemistry I	3	_____	BSC 320	Principles of Ecology	4	_____
	CHM 217	Principles of Chemistry I Lab	2	_____	CHM 212	Principles of Chemistry II	3	_____
	EDF 201	Ed Psych Developing Learner	3	_____	CHM 218	Principles of Chemistry II Lab	2	_____
	EDF 200	Pre-Residency Clinical	0	_____	_____	Core II Humanities (WI)	3	_____
	_____	Core II Social Science (CT, M/I)	3	_____	EDF 200	Pre-Residency Clinical	0	_____
	TOTAL HOURS		15		TOTAL HOURS		16	
	Summer Term (optional):							

YEAR THREE	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
	BSC 322	Principles of Cell Biology	4	_____	BSC 324	Principles of Genetics	4	_____
	CI 345	Crit Read Writ & Think	3	_____	CI 449	Intstr & Classroom Mgt Sec Ed	3	_____
	CISP 421	Child with Exceptionalities	3	_____	CISP 422	Differentiate Instruction	3	_____
	PHY 201	College Physics I	3	_____	EDF 475	Schools in a Diverse Society	3	_____
	PHY 202	General Physics I Lab	1	_____	PS 325	Dev Scientific Thought	4	_____
	EDF 200	Pre-Residency Clinical	0	_____	EDF 200	Pre-Residency Clinical	0	_____
	EDF 435	Classroom Assessment	3	_____				
	TOTAL HOURS		17		TOTAL HOURS		17	
	Summer Term (optional):							

YEAR FOUR	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
	BSC 312	Invertebrate Zoology	4	_____	CI 451	Residency II – Secondary	12	_____
	BSC 416	Plant Taxonomy	4	_____				
	CI 415	Int Meth & Mat: Sec Ed	3	_____				
	CI 470	Residency I	0	_____				
	_____	BSC Elective 302, 430, or 460	3-4	_____				
	BSC 491	Capstone Experience	2	_____				
	TOTAL HOURS		16-17		TOTAL HOURS		15	
	Summer Term (optional):							

Area of Emphasis
Major Requirement
College Requirement
General Education Requirement

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Milestone Course: This is a key success marker for your major. See your advisor to discuss importance of this course in your plan of study.

BIOLOGICAL SCIENCE 9-ADULT – 2024-2025

INVOLVEMENT OPPORTUNITIES

- Student Government Association
- Campus Activity Board
- JMELI
- Commuter Student Advisory Board
- Club Sports
- Religious Organizations
- Political Organizations
- Residence Hall Association
- Cultural Organizations
- National Society of Leadership and Success
- Greek Life

RELATED MAJORS

- Biological Science
- Biochemistry
- Chemistry
- Environmental Science
- Elementary Education
- General Science Education 5-Adult

GRADUATION REQUIREMENTS

- Have a minimum of 120 credit hours (some colleges or majors require more);
- Have an overall and Marshall Grade Point Average of 2.00 or higher;
- Have an overall Grade Point Average of 2.00 or higher in the major area of study;
- Have earned a grade of C or better in English 201 or 201 H;
- Have met all major(s) and college requirements;
- Have met the requirements of the Core Curriculum;
- Have met the residence requirements of Marshall University, including 12 hours of 300/400 level coursework in the student's college (see section entitled "Residence Requirements" in the undergraduate catalogue);
- Be enrolled at Marshall at least one semester of the senior year;
- Have transferred no more than 72 credit hours from an accredited West Virginia two-year institution of higher education.

Colleges and specific programs may have unique requirements that are more stringent than those noted above. Students are responsible for staying informed about and ensuring that they meet the requirements for graduation.

This academic map is to be used as a guide in planning your coursework toward a degree. Due to the complexities of degree programs, it is unfortunate but inevitable that an error may occur in the creation of this document. The official source of degree requirements at Marshall University is DegreeWorks available in your myMU portal. Always consult regularly with your advisor.

YEAR ONE



Have questions? Need to talk? You already have a Friend-At-Marshall ready to help you succeed. Find your FAM Peer Mentor here: www.marshall.edu/fam



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



In order to graduate on time, you need to take an average of 15 credits per semester. Are you on track? Take 15 to Finish!



Take a career self-assessment to help determine what majors fit your talents and interests and consider job shadowing opportunities.



Volunteer in local museums, non-profit agencies, dog shelters, hospitals, libraries, festivals, or women's shelters.



Join or create a club or organization on campus about a particular issue you care about. Marshall has more than 200 student organizations.



Sign up for Handshake! Handshake is the #1 place to launch a career with no connections, experience, or luck required. The platform connects up-and-coming talent with 650,000+ employers.

YEAR TWO



Are you completing enough credits to graduate on time? Dropping or failing a class can put you behind. Use summer terms to quickly get back on track.



Attend civic meetings, such as the school board, neighborhood associations, city council, or important state legislative sessions.



Take a pulse check. Know what you need to do every year to keep your grants, scholarships, or federal financial aid.



Develop relationships with professors who can serve as future references by attending their office hours.



Plan on taking the Praxis Core Exam and completing the ADMI 4 Portfolio in LiveText.



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



Observe in a P-12 Classroom (Complete Level I Clinical Experience)

YEAR THREE



Develop relationships with professors who can serve as future references by attending their office hours.



Take a pulse check. Know what you need to do every year to keep your grants, scholarships, or federal financial aid.



Are you on track to graduate? Meet with your advisor for your Junior Eval to make sure you know what requirements you have left.



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



Apply theory to practice (Complete Level II Clinical Experience).



Work with a faculty mentor to determine what professional certifications are available to assist you in meeting your career goals.



Inquire about available Teacher-In-Residence opportunities.

YEAR FOUR



This is it! Are you on track to graduate? Meet with your advisor for your Senior Eval to see what requirements you have left.



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



Networking is key! Attend a Career Expo to seek employment opportunities and network with employers in your field.



Integrate knowledge, skills, and dispositions during the Student Teaching internship.



Want to continue your education and increase your opportunities? Talk to a faculty member about whether graduate school fits your career goals.



Strengthen your resume and enhance your presentation skills. Present what you've learned at an academic conference off campus.



Be at the top of your professional game! Prepare a final resume and practice your interview skills with a career coach in Career Education.

TRANSFERABLE SKILLS ASSOCIATED WITH THIS MAJOR

- Communication Skills
- Creativity
- Instructional and Curriculum Development Skills
- Public Speaking Ability

ASSOCIATED CAREERS

- Middle/High School Science Teacher
- Public Science Center Coordinator
- Educational Coordinator
- School Administrator



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