

Double Major (DMAC) -Secondary Education: Biology 6-12/ BS Biology

Option 1: WSU General Education Policy

General Education <i>(Of the 36 hours required below, 9 hours must be 300 level or above)</i>	Requirement	Course Taken	Hrs	Grade
Foundation Courses (12 hours) Foundation Courses must be met within the first 48 hours of college credit.	ENGL 101		3	
	ENGL 102		3	
	COMM 111		3	
	MATH 111		3	
Fine Arts (3)				
	Areas of Discipline: ARTH, ARTS, DANC, FA, MUSC, THEA			
	FINE ARTS		3	
Humanities (3)				
	Areas of Discipline: COMM, ENGL, FREN, GERM, HIST, LATN, LING, PHIL, REL, RUSS, WOMS			
	ENGL 315		3	
Social & Behavioral Sciences (3)				
	Areas of Discipline: AGE, ANTH, ARTS 211, 312, 322, 324 CESP 334, CJ, COMM 130, ECON, ENTR 310 and 440, ETHS, GEOG, HP, IB, ID, POLS, PSY, SCWK, SOC			
	PSY 111		3	
Natural Sciences & Mathematics (3)				
	Areas of Discipline: ANTH 101, ANTH 356, BIOL, CHEM, CS, GEOL, HP, HS, MATH, PC, PHYS, STAT			
	CHEM 211		5	
Additional (12 hours) from at least two divisions *FIRST YEAR SEMINAR: Required beginning Fall 2021 for SR incoming freshman.	CHEM 212 1 ST DIVISION*		5	
	CESP 334: 2 ND DIVISION		3	
	STAT 370		3	
	GEOL 300		3	

Option 2: KBOR General Education Policy (for transfer students only):

12 hours Foundation (SEE ABOVE)

12 hours Fine Arts/Humanities in 3 disciplines _____

12 hours Social & Behavioral Sciences in 3 disciplines _____

9 hours Natural Science/Mathematics in 2 disciplines (one Nat'l Science w/ lab) _____

Option 3: AMENDED General Education Policy: (w/ AA or AS from KS Community Colleges):

6 hours of 300 level or above taken at WSU. _____

Electives for 120 hours: @ 2 hrs

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Attention: Take Biol 210, Biol 211, Chem 211 and Chem 212 as soon as possible for prerequisites in major courses

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General Requirements for Bachelors with DMAC: 120 minimum hours; overall GPA 2.5; major GPA 2.5.

REQUIREMENTS FOR A MAJOR			
	BIOL 210	General Biology I	(4)
	BIOL 211	General Biology II	(4)
	BIOL 330	General Microbiology	(5)
	BIOL 418	General Ecology	(4)
	BIOL 419	Genetics	(4)
	PHYSICS 502	Science Investigations: Physics	(5)
	CHEM 531	Organic Chemistry *(Prerequisites: Chemistry 211 and 212 with 2.0 or better in each)	(3)
Gen Ed	GEOL 300	Energy, Resources and Environment	(3)
Additional Courses for DMAC: Consult with Advisor			
	Biology 420	Molecular Cell Biology	(4)
	Biology 497 or Biology 499	Biology Colloquium or Organic Chemistry I	(1 - 2)
	Biology elective	<i>consult with advisor</i>	(4-5)
		Total hours	41 hrs

CI 270	Introduction to the Education Profession (Must have a B- or better)		(3)
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Teacher Education

Middle & Secondary majors need a B- or better in all courses below.

Core I (Fall only)			Core III – (Fall only)		
CI 320	Introduction to Diversity: Exceptionalities (B- or better)	(2)	CI 413S	Teaching Internship I: Secondary Level Sciences (B- or better)	(2)
CI 321	Introduction to Diversity: Cultural Issues (B- or better)	(2)	CI 417	Instructional Strategies, Assessment and Management (ISAM) Literacy Strategies in the Content Areas (B- or better)	(2)
CI 325	Instructional Strategies, Assessment and Management (ISAM): Middle/Secondary General Methods (B- or better)	(1)	CI 435S	Instructional Strategies, Assessment and Management (ISAM): Middle/Secondary Sciences Methods II (B- or better)	(3)
CI 315	Core I Practicum (B- or better)	(1)	CI 505	Science, Technology and Society (B- or better)	(1)
CI 315	Core I Practicum (B- or better)	(1)	CI 780S	Technology in the Classroom: Science (B- or better)	(2)
Core II - (Spring only)			Core IV - (Spring only)		
CESP433	Learning, Assessment and Evaluation Theory: Evidence-Based Instruction (B- or better)	(3)	CI 436S	Instructional Strategies, Assessment and Management (ISAM): Middle/Secondary Sciences Methods III (B- or better)	(2)
CI 425S	Instructional Strategies, Assessment and Management (ISAM): Middle/Secondary Sciences Methods I (B- or better)	(2)	CI 471S	Teaching Internship II: Secondary Level Sciences (15 weeks) (B- or better)	(10)
CI 426S	Core II Practicum –Science (B- or better)	(1)	CAS 501	*Teacher Licensure Capstone - licensure requirement only - \$100 fee added to student account.	(0)
CI 427	Philosophy, History & Ethics of Education	(3)			

OFFICIAL PROGRAM TRANSITION POINTS REQUIREMENTS:

- Admission into Teacher Education - Completed application packet
- Admission to Teacher Internship: a) Satisfactory accomplishment of content-area, standard-driven assessments, b) "B-" or better in all Professional Teacher Education courses, with the exception of a 2.0 grade requirement in CI 519, c) 2.5 GPA (overall, WSU and content) and d) completed Teacher Intern Application.
- Exit from Teacher Internship: a) "B-" or better in all professional courses, b) 2.5 GPA (overall and WSU), c) Successful completion of all degree requirements, d) Final University Supervisor Evaluation Form.
- Degree Completion: a) 2.5 GPA (overall and WSU), and b) Meets all degree requirements
- Licensure Recommendation – a) Completion of Teacher Education Program, b) Teacher Work Sample/TLC passed, c) PLT passed, d) Praxis II content test(s) passed, and e) Licensure application submitted

CANDIDATES COMPLETING THIS PROGRAM ARE ELIGIBLE TO BE CERTIFIED TO TEACH BIOLOGY—GRADES 6-12.

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