

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

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.	GEOL 300 - 1 ST DIVISION		3	
	CESP 334: 2 ND DIVISION		3	
	CHEM 212		5	
	STAT 370		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. _____

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General Requirements for Bachelors with DMAC: 162 minimum hours; overall GPA 2.5; major GPA 2.5.

REQUIREMENTS FOR A MAJOR			
	CHEM 211	General Chemistry I (2.0 or better)	(5)
	CHEM 212	General Chemistry II (2.0 or better)	(5)
	CHEM 531	Organic Chemistry I (2.0 or better)	(5)
	CHEM 532	Organic Chemistry II	(5)
	CHEM 523 (FALL ONLY)	Analytical Chemistry	(4)
	CHEM 524 (SPRING ONLY)	Instrumental Methods of Chemical Analysis	(4)
	CHEM 661	Introductory Biochemistry	(3)
	PHYS 213	General College Physics I	(5)
	GEOL 300	Energy, Resources & Environment (also meets gen ed. requirements)	(3)
	BIOL 210	General Biology I (also meets gen ed. requirements)	(4)
		Total Hours for the Major	43 hours
Additional Courses for DMAC: Consult with Advisor			
	Chem 514	Inorganic Chemistry	(3)
	Chem 545	Physical Chemistry I	(3)
	Chem 546	Physical Chemistry II	(3)
	Chem 547	Physical Chemistry Lab	(2)
	Chem 663	Biochemistry II	(3)
	Chem 615	Advanced Inorganic Chemistry	(3)
	Chem 616	Inorganic Chemistry Lab	(2)
	Chem 690	Independent Study and Research	(2)
	Math 242	Calculus I	(5)
	Math 243	Calculus II	(5)
	Math 344	Calculus III	(3)
	Phys 314/316	University Physics II with lab	(5)
	Science elective	Consult with LAS advisor	(4)
		Total Hours	43 hours

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 413S	Teaching Internship I: Secondary Level Sciences (B- or better)	(2)
CI 320	Introduction to Diversity: Exceptionalities (B- or better)	(2)	CI 417	Instructional Strategies, Assessment and Management (ISAM) Literacy Strategies in the Content Areas (B- or better)	(2)
CI 321	Introduction to Diversity: Cultural Issues (B- or better)	(2)	CI 435S	Instructional Strategies, Assessment and Management (ISAM): Middle/Secondary Sciences Methods II (B- or better)	(3)
CI 325	Instructional Strategies, Assessment and Management (ISAM): Middle/Secondary General Methods (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) <i>If preferred, this class can be taken with Core III.</i>	(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 (B- or better) (15 weeks)	(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 (B- or better) <i>Can be taken with Core III if desired</i>	(3)			

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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 CHEMISTRY—GRADES 6-12.

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