

**DEPARTMENT OF SECONDARY EDUCATION  
UNDERGRADUATE PROGRAM HANDBOOK**

**FOR STUDENTS ENTERING  
SECONDARY EDUCATION PROGRAMS GRADES 7-12**

**COLLEGE OF EDUCATION  
WEST CHESTER UNIVERSITY**



# COLLEGE OF EDUCATION & SOCIAL WORK

## MISSION, VISION, & CONCEPTUAL FRAMEWORK

### MISSION

---

The College of Education and Social Work (CESW) prepares highly-skilled and ethical professionals to become fair-minded critical thinkers and change agents who act with integrity in the pursuit of knowledge and strive for excellence within their professions. The CESW fosters a culture of reflection, evidenced-based practices, intellectual discourse, and respect for human diversity. CESW empowers students to make a significant impact on the world to improve individual and family lives and strengthening educational, health or community systems.

### VISION

---

The West Chester University College of Education and Social Work embraces a transformative vision of learning as a life-long endeavor. We will be a leader in preparing professionals who advance social justice and address the contemporary challenges of a global society.

### CONCEPTUAL FRAMEWORK

---

#### Educator Preparation Programs

The Mission and Vision of The College of Education and Social Work provide an integrated framework for teaching, learning, and professional behaviors. The Mission, which is the core of the Conceptual Framework for each Educator Preparation Program (EPP), is accomplished through:

- **Teaching:** We value excellence in our academic and instructional pursuits. We are committed to applying research and theory in practice facilitated through meaningful engagement with Candidates.
- **Research and Scholarship:** We believe in engaging Candidates in scholarly excellence and research that contributes to the field of education, schools, and communities.
- **Local and Global Partnerships:** We commit to working cooperatively in establishing meaningful partnerships with P-12 educational systems as well as university, local, and national communities to improve the educational outcomes, economic vitality, and well-being of everyone.
- **Leadership:** We believe in fostering the leadership skills of all Candidates.

- **Service:** We believe meaningful learning occurs when Candidates engage in personal and professional development in serving the needs of others.
- **Innovative Practice:** We believe in creating innovative experiences and approaches to advance new knowledge, solve problems, and improve our practice.
- **Ethics and Values:** We strive to uphold the highest ethical standards and strive for personal and professional integrity.

This framework and methods of delivery guides the work in each EPP. In fulfilling its mission, the EPP educates Candidates who are:

- **Lifelong Learners** who have an enduring purpose to become a better professional with high expectations for themselves and others.  
Scholars who actively engage with the discovery of new knowledge or broaden and deepen existing knowledge, and apply knowledge to affect improvement.
- **Evidence-Based Decision Makers** who use data-driven facts and intellectual standards to make informed decisions.
- **Reflective and Skilled Practitioners** who have the ability to analyze, assess, and revise practice in light of students' performance, learning theory, research, and constructive feedback.
- **Social Justice Advocates** who have the knowledge, skills, and dispositions to confront social inequality and promote equity within their sphere of influence (Adams, 2010).
- **Innovators of Applied Technology** who have the ability to use and leverage technology to address the needs of all learners.

Developing professional behaviors is essential to the EPPs. The EPPs take pride in developing the Professional Dispositions and Requirements essential to the professional field. The EPPs are committed to Candidates. Our programs not only educate Candidates, but they monitor those behaviors and provide strategic support as Candidates matriculate through their program.



## **Department of Secondary Education Faculty:**

### **Professors:**

Laura Renzi

Department Chair, Secondary Education

Professor of English Education

Karin E. Gedge

Professor of History Education

Professor of Social Studies Education

Daniel Robert Ilaria

Professor of Mathematics Education

### **Associate Professor:**

Pauline Schmidt

Associate Professor of English Education

### **Assistant Professors:**

Brett A. Criswell

Assistant Professor of Science Education

Jenifer A. Hummer

Assistant Professor of STEM Education

## **Dispositional Expectations For Secondary Education 7-12 B.S.Ed. Students**

### **PROFESSIONAL DISPOSITIONS AND REQUIREMENTS**

The Educator Preparation Programs at West Chester University in the College of Education and Social Work have developed professional dispositions and requirements essential for the profession. These dispositions are based on the 2011 [Interstate Teacher Assessment and Support Consortium \(InTASC\) Model Core Teaching Standards](#). Candidates have the opportunity to demonstrate dispositions in courses (assignments, interactions with others) and out in the field with mentor teachers and students in P-12 settings.

#### **Professional Dispositions**

---

- [Empathy](#)
- [Open-Mindedness](#)
- [Responsibility](#)
- [Communication](#)

#### **Professional Requirements**

---

- [Lifelong Learning](#)
- [Professionalism](#)
- [Professional Ethics](#)

Please utilize the menus to learn more about the Professional Dispositions and Requirements evaluation process and to access additional resources and forms. Faculty can download [Assessing Professional Dispositions](#) for a guided walk-through on how to assess candidates on professional dispositions in a Tk20 course.

Note: A candidate's violation of professional expectations (i.e., academic, behavioral, dispositional) may also be a violation of University-wide policy. In this case, the violation should be filed with the appropriate University or College bodies.

For the Dispositions Handbook, please see [https://www.wcupa.edu/education-socialWork/assessmentAccreditation/documents/Professional Dispositions Handbook.pdf](https://www.wcupa.edu/education-socialWork/assessmentAccreditation/documents/Professional_Dispositions_Handbook.pdf)

## Field Placements

All field placements for Secondary courses, including student teaching, are arranged in conjunction with the Department of Secondary Education and the Office for Clinical Experiences. Candidates are not to solicit their own placement. While candidate needs are considered in assigning placements, no particular placement can be guaranteed. **Transportation to and from field placements is the responsibility of the individual candidate.**

Teacher education candidates must have their criminal background, child abuse, FBI fingerprinting, and tuberculosis clearances by the first day of class for EDP 250, EDA 304, SED 306, Specialized Methods, and SED 411/412.

## Student Teaching

Candidates are eligible to student teach if they have (a) achieved full-admission status to teacher education; (b) met by having earned final passing grades – all the professional preparation requirements; (c) earned at least 18 credits prior to the student teaching semester; (d) maintained the Pennsylvania- mandated GPA; (e) provided evidence of having taken PRAXIS II specialty test. Candidate must have passing scores in order to apply for certification, but does not need passing score to graduate. Student teaching is typically scheduled for a student's final semester at the university.

Candidates MUST file an application for student teaching. Application for student teaching must be made approximately one year prior to student teaching. Candidates are to attend the application meeting. Announcements of this meeting are (1) sent in an email from the Office of Clinical Experiences, (2) posted in Department hallways, and (3) posted on the Department calendar on the home page of the website.

The Coordinators of each program, in conjunction with the Department Chairperson, makes decisions concerning approval for student teaching. Candidates may not make individual agreements with schools or teachers about student teaching placements.

### Policies Applicable to Student Teaching

1. Candidates who fail to meet the minimum cumulative GPA necessary for student teaching must take courses under the guidance of their advisor to achieve the required GPA.
2. All WCU Secondary Candidates must complete the full twelve credits of student- teaching experience (although the 12 credits may be split between two certification areas IF approved by the Department Chairperson).
3. No additional coursework can be taken during student teaching.

## SECONDARY B.S.ED. PROGRAM REQUIREMENTS TEACHER EDUCATION POLICIES

This section provides B.S.Ed. students or prospective students with some information on admission to the teacher education program, student teaching prerequisites for Pennsylvania secondary schools, and the Praxis II exams. The requirements derive from directives from our accrediting bodies: the Council for the Accreditation of Educator Preparation (CAEP), National Council of Teachers of English (NCTE), and the Pennsylvania Department of Education (PDE). Students in our program benefit by earning a degree approved by these accrediting bodies; most school districts look for such degrees.

You can find extensive information about tests, certification, etc., on the College of Education and Social Work's site <https://www.wcupa.edu/education-socialWork/> and D2L's English Majors Forum.

### Policy for Candidacy

All students seeking a teacher education degree or certification must apply for Candidacy in Teacher Education. In order to complete the degree in eight semesters of full-time study, students should apply for Candidacy sometime in their sophomore year. For Candidacy, students must:

1. Complete 48 credits of college-level coursework. Candidacy must be attained before 60 credits earned to progress in program.
2. **FOR ENGLISH B.S.Ed. ONLY:** Pass the Test of Writing Competency administered by the Secondary Education Department.
3. Achieve a minimum GPA of 2.8.
4. Pass the Basic Skills Testing in reading, writing, and math. Passing scores are defined on the College of Education's website, at <https://www.wcupa.edu/education-socialWork/paTests.aspx>. You may be exempt from these tests depending on your SATs or ACTs; check the appropriate drop down category.
5. Earned 3 credits in college-level English composition, 3 credits in Literature, and 6 credits in Math.
6. Complete College of Education's application for Candidacy. Completed forms should be handed in to the Department Chair in Anderson 501A for signature.

No student may take  
SED 306 or SED 300,  
Specialized Methods,  
or student teach  
without Candidacy.

### Clearances

B.S.Ed. students must have criminal background, child abuse, fingerprinting, and TB clearances for EDP 250, EDA 304, Specialized Methods (SED 350, SED 354, SED 390, SED 392, SED 350, SED 331), SED 306, SED 300, and SED 411/412.

If you do not have current clearances, you will be removed from these classes at the beginning of the term. To keep up-to-date with current procedures for clearances, please visit the College of Education's clearances page: <http://www.wcupa.edu/education-socialWork/clearances.aspx>.

### Student Teaching prerequisites

To student teach, you must attend the mandatory student teaching meeting **two semesters** before you plan to student teach. Check your WCU email and/or D2L Secondary Education (or the 5<sup>th</sup> floor of Anderson bulletin board) site for meeting schedule. Please look for details about your student teaching (school assignment policies, expectations, etc.) in your Student Teaching Handbook.

1. Attain required grade in selected classes. See information in second half of this handbook for each certification program's requirements for required grade.

If you receive a lower grade than required in a class, you should retake the course immediately before attempting more advanced courses. Students having difficulty with meeting the required grade in several of the courses should recognize that they may not meet the competency requirements for student teaching and should consider withdrawing from the B.S.Ed. program.

2. Complete **all coursework** (including NGs) before student teaching. Additional coursework or incomplete work will not be permitted during or after student teaching.
3. Attain a "minimum cumulative GPA" of 2.8 for all courses listed on your official transcript. However, mathematically, a GPA of 2.9 for 110 credits is required before student teaching to reach the 3.0 GPA required by the PA Dept. of Education for teacher certification, assuming a grade of A is earned for EDS 411 and 412, both sessions of student teaching. This formula changes depending on the number of credits accumulated. No one will be approved to student teach with a GPA below 2.8. **To graduate with the B.S.Ed. degree, students must achieve a minimum GPA of 3.0 at the end of their program.**

### **Praxis II requirement**

All B.S.Ed. and certification students must attempt the Praxis II exam (see advising sheet for correct exam number) before their student teaching semester. Students must pass this exam before being certified by the state of Pennsylvania. Passing scores are defined on the College of Education's website, at <https://www.wcupa.edu/education-socialWork/paTests.aspx>.

### **Field course sequence**

In order for field experience hours to build logically through levels, students must take these courses in this order:

- Level 1 – EDP 250. (new program SED 100/SED 200)
- Level 2 – EDA 304. ( new program SED 200)
- Level 3 – SED 306 & SED 300 (requires Candidacy)
- Level 3 – Specialized Methods (pre-requisites: SED 306 or SED 300 & Candidacy)
- Level 4 – SED 411 and 412 – Student Teaching (pre-requisites: all Level 3 courses)

\*NOTE: Level 3 courses may not be taken in the same semester. They are not taught during summer session.



## Advising Tips and Procedures

1. You **MUST** meet with your advisor every semester to have your advising flag lifted to register for classes.
2. Make an Appointment with your advisor **WELL IN ADVANCE** of your registration date so there are no issues or delays in your being able to register for classes.
  - Late registration often means courses are closed or the selection of classes and availability of classes is diminished
  - This can DELAY your graduation
3. Come to your advising meeting **prepared**. This means:
  - Bring your handbook
  - Bring your completed advising sheet
  - Bring a list of potential classes or tentative schedule already completed
  - Your advisor can (and will) ask you to leave if you are not prepared for your meeting
4. Take notes during your advising meeting. Your advisor will often talk about other upcoming requirements or deadlines that you need to stay on top of to graduate “on time.”
5. Look at your program of study (advising sheet). What courses have pre-requisites, field components, or are only offered certain semesters?
6. **Come to your advising meeting ready with questions for your advisor.**
7. Remember that your advisor also teaches classes, has a **NUMBER** of advisees, has meetings and often supervises students teachers out in the community. They often will not respond immediately.
  - If you are emailing your advisor, be as explicit as you can about your questions or concerns
  - Advisors office hours will be posted outside of their office doors, or can be found on the bulletin board on the 5<sup>th</sup> floor of Anderson Hall. You can also stop in to see Paulette Rowe, the Office Coordinator, in 501 Anderson Hall with questions about your advisors office hours.

## B.S.Ed English: Literatures (Pre Fall 2021+)

<b>Name:</b>	<b>Date Major Declared:</b>		<b>Planned Grad Date:</b>		
CORE or Pearson PAPA Modules 1- Reading, 2-Math, 3-Writing (Sophomore Year, Required for Formal Admission):					
Formal Admission to Teacher Education Program (FATE) req. Pearson PAPA tests, 48+ credits of study & 2.8+ GPA; date:					
Praxis ENGLISH Content Knowledge Test (Must take prior to student teaching, and earn passing score to graduate):					
Test of Writing Competency:	BSEd Portfolio				
	<b>CREDIT S</b>	<b>COURSE</b>	<b>SEMESTE R</b>	<b>GRAD E</b>	<b>REP/W**</b>
<b>GENERAL EDUCATION REQUIREMENTS (See approved list)</b>					
FIRST YEAR EXPERIENCE	4				
WRT 120 or 123	3				
WRT 200, or 204, or 205, or 206, or 208, or 220	3				
MATH	3				
<b>DIVERSE COMMUNITIES "J"</b>	-	ENG 382			
<b>INTERDISCIPLINARY "I"</b>	-	EDF 300			
<b>SCIENCE</b> (6 CREDITS FROM TWO AREAS: CHEM, BIO, ESS, PHY)	3				
	3				
<b>BEHAVIOR &amp; SOCIAL SCI.</b> (6 CREDITS FROM TWO AREAS: ANT SOC PSY ECO GEO PSC)	3				
	3				
<b>HUMANITIES</b> (Phi and His Course)	3	PHI 180			
	3				
<b>ARTS</b> (see approved courses)	3				
<b>ETHICS "E" COURSE</b>		PHI 180			
<b>SPEAKING "S" COURSE</b>	-	SED 392			
	-	SED 411			
	-	SED 412			
<b>WRITING "W" COURSE</b>	-	ENG 194			
		ENG 295			
		SED 306			
<b>CAPSTONE</b>	-	SED 411/412			
<b>EDUCATION REQUIREMENTS</b>					
EDA 103 — Foundations of Special Education	3				
EDP 250 — Educational Psychology (Level 1 Field)	3				
EDF 300 Democracy & Education	3				
EDA 304 — Special Education for Secondary Educators FATE (Level 2 field)	3				
EDR 347 — Literacy Devel & Sec Students w/Disabilities	3				
LAN/ENG 382 — ELL Strategies for Content Area Teachers	3				
SED 306 — Pr. Tch & Field Exp. Secondary School (W) FATE (Level 3 field)	3				
SED 392 (Level 3 Field) Writing and the Teaching of WRiting	3				
SED 390 (Level 3 Field) Teaching English in the Secondary Schools	3				
SED 411 — Student Teaching (Level 4 Field)	6				
SED 412 — Student Teaching (Level 4 Field)	6				
<b>MATH (6 CREDITS)</b>					
MAT 103 or higher	-	SEE GEN ED			
MAT XXX	3				

Supporting Courses						
ENG/LIN 230 Intro to Linguistics	3					
ENG 331 Strucutre of Modern Grammar	3					
LIT 398 Young Adult Literature	3					
ENGLISH CORE COURSES						
ENG 194 (ENG 201)	3					
ENG 295 (suggested after 194) History of Texts	3					
ENG 296 or LIT 206 (suggested after 194)	3					
Intermediate Level Literature Track Courses – 2 must be marked as Early, or “E”						
Genre	3	E?				
U.S. Multi-Ethnic & World	3	E?				
Historical Context	3	E?				
Lit or CLS Elective (no FLM)	3	E?				
Lit or CLS Elective (no FLM)	3	E?				
American:	British:			World:		
Intermediate Level Writings Crossover Courses for Literatures Track						
WRH 325	3					
Writings Elective	3					
Writings Elective	3					
ENG 400 Seminars						
ENG 400	3					
ENG 400	3					

Milestones in the Teacher Education Program			
Candidacy Milestones	Completed?	Student Milestones	Completed?
Basic Skills		Portfolio	
Formal Admission (min. 2.8 GPA)		PRAXIS II – English Content	
Test of Writing Competency (TOWC)		GPA to graduate – min 3.0 required	

## BSEd Literatures Track

### Suggested Course Sequence

#### Semester 1

	First Year Experience	4	
WRT 120	Effective Writing	3	
MAT	Must be 103 or above	3	
ENG 194	Conv. Of Reading and Writing	3	
	B & SS #1 PSY 100	3	
		16	

#### Semester 2

MAT XXX	Required for FATE	3	
WRT 2XX	Research Writing	3	
ENG 295	Histories and Texts	3	
EDA 103		3	
	Gen Ed Sci #1	3	
		15	

#### Semester 3

	Lit Track	3	
EDP 250	Ed. Psychology	3	
ENG 296	Theory, Meaning & Value	3	
HIST XXX	Ged Ed History	3	
	Lit Track	3	
EDF 300	Dem. & Education	3	
		18	

\*Stage I fields: Clearances needed

#### Semester 4

	Lit Track	3	
EDA 304		3	
WRH 325	Tech in the English Classroom	3	
PHI 180	Intro to Ethics Gen Ed "E"	3	
ENG 382	Teaching ELL	3	
ENG /LIN 230	Intro to Linguistics	3	
		18	

\*Stage II fields: Clearances Needed

TOWC completed. Candidacy paperwork submitted by end of 4<sup>th</sup> semester.

#### Semester 5

	Writing Crossover	3	
EDR 347	Lit Dev in Sec Students w/disabilities	3	
SED 306	Princ. Of Teaching	3	
LIT 398	YA Literature	3	
ENG 331	Structure of Modern English	3	
		15	

\*Stage III fields: Clearances needed

#### Semester 6

	Lit Track	3	
ENG 400	Seminar	3	
SED 392	Writing and the Teaching of Writing	3	
	Writing Crossover	3	
	Gen Ed Science #2	3	
		15	

\*Stage III fields: Clearances needed

#### Semester 7

	Lit Track	3	
ENG 400	Seminar	3	
SED 390	Teaching Eng. In Sec. Schools	3	
	B & SS #2	3	
	Gen Ed Art	3	
		15	

\*Stage III fields: Clearances needed

#### Semester 8

SED 411&412	Student Teaching	12	
		12	

Stage IV fields: Clearances needed.

## B.S.Ed English: Writings (Pre Fall 2021+)

<b>Name:</b>	<b>Date Major Declared:</b>		<b>Planned Grad Date:</b>		
CORE or Pearson PAPA Modules 1- Reading, 2-Math, 3-Writing (Sophomore Year, Required for Formal Admission):					
Formal Admission to Teacher Education Program (FATE) req. Pearson PAPA tests, 48+ credits of study & 2.8+ GPA; date:					
Praxis ENGLISH Content Knowledge Test (Must take prior to student teaching, and earn passing score for certification):					
Test of Writing Competency:		BSEd Portfolio:			
	<b>CREDIT S</b>	<b>COURSE</b>	<b>SEMESTE R</b>	<b>GRAD E</b>	<b>REP/W**</b>
<b>GENERAL EDUCATION REQUIREMENTS (See approved list)</b>					
FIRST YEAR EXPERIENCE	4				
WRT 120 or 123	3				
WRT 200, or 204, or 205, or 206, or 208, or 220	3				
MATH	3				
DIVERSE COMMUNITIES "J"	-	ENG 382			
INTERDISCIPLINARY "I"	-	EDF 300			
SCIENCE (6 CREDITS FROM TWO AREAS: CHEM, BIO, ESS, PHY)	3				
	3				
BEHAVIOR & SOCIAL SCI. (6 CREDITS FROM TWO AREAS: ANT SOC PSY ECO GEO PSC)	3				
	3				
HUMANITIES (Phi and His Course)	3	PHI 180			
	3				
ARTS (see approved list)	3				
ETHICS "E" COURSE		PHI 180			
SPEAKING "S" COURSE	-	SED 392			
	-	SED 411			
	-	SED 412			
WRITING "W" COURSE	-	ENG 194			
		ENG 295			
		SED 306			
CAPSTONE	-	SED 411/412			
<b>EDUCATION REQUIREMENTS</b>					
EDA 103 — Foundations of Special Education	3				
EDP 250 — Educational Psychology (Level 1 Field)	3				
EDF 300 Democracy & Education	3				
EDA 304 — Special Education for Secondary Educators FATE (Level 2 Field)	3				
EDR 347 — Literacy Devel & Sec Students w/Disabilities	3				
LAN/ENG 382 — ELL Strategies for Content Area Teachers	3				
SED 306 — Pr. Tch & Field Exp. Secondary School (W) FATE (Level 3 Field)	3				
SED 392 (Level 3 Field)	3				
SED 390 (Level 3 Field)	3				
SED 411 — Student Teaching (Level 4 Field)	6				
SED 412 — Student Teaching (Level 4 Field)	6				
<b>MATH (6 CREDITS)</b>					
MAT 103 or higher	-	SEE GEN ED			
MAT XXX	3				

Supporting Courses					
ENG/LIN 230 Intro to Linguistics	3				
ENG 331 Strucutre of Modern Grammar	3				
LIT 398 Young Adult Literature	3				
ENGLISH CORE COURSES					
ENG 194 (ENG 201)	3				
ENG 295 (suggested after 194) History of Texts	3				
ENG 296 or LIT 206 (suggested after 194)	3				
Intermediate Level Writings Track Courses					
Style & Aesthetics	3				
Power & Politics	3				
WRH 325	3		Spring Only		
Writings Elective	3				
Writing Electives	3				
Intermediate Level Literatures Crossover Courses for Writings Track – see lists at end of handbook (ONE MUST BE EARLY)					
American LIT	3		E?		
British LIT	3		E?		
World LIT	3		E?		
ENG 400 Seminars					
ENG 400	3				
ENG 400	3				

Milestones in the Teacher Education Program			
Candidacy Milestones	Completed?	Student Milestones	Completed?
Basic Skills Tests (CORE, PAPE, SAT...)		Portfolio	
Formal Admission (min. 2.8 GPA)		PRAXIS II	
Test of Writing Competency		GPA to graduate – min 3.0 required	

## BSEd English Writings Track

### Suggested Course Sequence

#### Semester 1

	First Year Experience	4	
WRT 120	Effective Writing	3	
MAT	Must be 103 or above	3	
ENG 194	Conv. Of Reading and Writing	3	
	B & SS #1 PSY 100	3	
		16	

#### Semester 3

	Writing Track	3	
EDP 250	Ed. Psychology	3	
ENG 296	Theory Meaning & Value	3	
HIST XXX	Ged Ed History	3	
EDF 300	Dem. & Education	3	
	Lit Crossover	3	
		18	

\*Stage I fields: Clearances needed

#### Semester 5

	Lit Crossover	3	
EDR 347	Lit Dev. & Sec. Stu w/disabilities	3	
SED 306	Princ. Of Teaching	3	
LIT 398	YA Literature	3	
ENG 331	Structure of Modern English	3	
		15	

\*Stage III fields: Clearances needed

#### Semester 7

	Writing Track	3	
ENG 400	English Seminar	3	
SED 390	Teaching English in Schools	3	
	B & SS #2	3	
	Gen Ed Art	3	
		15	

\*Stage III fields: Clearances needed.

#### Semester 2

MAT	Required for FATE	3	
WRT 2XX	Research Writing	3	
ENG 295	Histories and Texts	3	
EDA 103	Found. Of Sp. Ed.	3	
	Gen Ed Sci #1	3	
		15	

#### Semester 4

	Writing Track	3	
EDA 304	Sp. Ed processes for Sec. Ed	3	
WRH 325	Tech in the English Classroom	3	
PHI 180	Intro to Ethics Gen Ed "E"	3	
ENG 382	Teaching ELL	3	
ENG /LIN 230	Intro. To Linguistics	3	
		18	

\*Test of Writing Competency completed. Candidacy paperwork should be completed and submitted by end of 4<sup>th</sup> semester.

\*Stage II fields: Clearances needed

#### Semester 6

	Writing Track	3	
ENG 400	English Seminar	3	
SED 392	Writing and Teaching Writing	3	
	Lit Crossover	3	
	Gen Ed Science #2	3	
		15	

\*Stage III fields: Clearances needed

#### Semester 8

SED 411&412	Student Teaching	12	
		12	

\*Stage IV fields: Clearances needed

## B.S.Ed. ENGLISH - 123 CREDITS Fall 2021 +

Name:	Date Major Declared:	Grad Date:			
Basic Skills Testing Requirement for Candidacy					
Test of Writing Competency – offered once at the beginning of the semester					
Candidacy Req: 48 credits, 3 lit, 3 comp, 6 math, 2.8 GPA, Basic Skills Testing, TOWC					
Praxis English Content Knowledge (take before student teaching, pass for certification)					
	CREDITS	COURSE	SEMESTER	GRADE	REP/W**
<b>GENERAL EDUCATION REQUIREMENTS (61 less 27 Attributed to Major Requirements = 31 credits)</b>					
FIRST YEAR EXPERIENCE	4				
WRT 120	3				
WRT 200, or 204, or 205, or 206, or 208, or 220	3				
MATH	3				
<b>DIVERSE COMMUNITIES “J”</b>		ENG 382			
<b>INTERDISCIPLINARY “I”</b>		EDF 300			
<b>SCIENCE</b> (6 CREDITS FROM TWO AREAS: CHEM, BIO, ESS, PHYSICS)	3				
	3				
<b>BEHAVIOR &amp; SOCIAL SCI.</b> (6 CREDITS FROM TWO AREAS: ANT SOC PSY ECO GEO PSC)	3				
	3				
<b>HUMANITIES</b> (A LIT COURSE is required for candidacy)	3				
		CLS 260 or CLS 261			
<b>ARTS</b> (ART CINEMATOGRAPHY MUSIC PHOTOGRAPHY THEATRE)	3				
<b>ETHICS “E” COURSE</b>		ERM 355			
<b>SPEAKING “S” COURSE</b>		SED 200			
		EDS 411			
		EDS 412			
<b>WRITING “W” COURSE</b>		ENG 194			
		SED 300			
		ENG 296			
<b>CAPSTONE</b>		SED 411			
		SED 412			
<b>ADDITIONAL PDE REQUIREMENTS (3 CREDITS)</b>					
MAT 103 or higher	-	SEE GEN ED			
MAT 103 or higher	3				
<b>EDUCATION CORE REQUIREMENTS (29 credits)</b>					
EDF 300 Democracy and Education “I”	3				
EDP 280 — Developmental and Psychological Perspectives in Education	3				
EDA 103 — Foundations of Special Education	3				
EDA 303 — Special Education for Secondary Educators	2				
EDR 347 — Literacy Development & Sec Students w/Disabilities	3				
LAN/ENG 382 — ELL Strategies for Content Area Teachers	3				
ERM 355 Ethical and Effective Assessment for Learning 7 – 12 “E”	3				
SED 100 An Exploration of Secondary Education	3				
SED 200 Secondary Field Experience. “S”	3				
SED 300 Principles of Teaching and Field Experience “W”	3				
<b>ENGLISH EDUCATION REQUIREMENTS (6 credits)</b>					
SED 390 Teaching English in Secondary Schools	3				
SED 392 Writing and Teaching Writing in Secondary Schools	3				
<b>ENGLISH COURSES - CORE (12 CREDITS)</b>					
ENG 201 Introduction to English Studies	3				



ENG 296 Theory, Meaning and Value "W"	3				
ENG 230 Intro. To Linguistics	3				
ENG 331 Structure of Modern English	3				
<b>ENGLISH COURSES - EDUCATION CORE, ELECTIVES, &amp; SEMINARS (30 CREDITS)</b>					
World Literature (CLS 260 or 261)	3				
American Literature (CLS 255, 333, LIT 213, 200, 201, 202, 203)	3				
British Literature (LIT 335, 336, 230, 231)	3				
Poetry (CRW 301, 302, LIT 274, 333, 307)	3				
JRN Elective (JRN 272,312,315,225, 335)	3				
WRH Elective (see wrh courses)	3				
Writing Elective (JRN, WRH, ENG, DH)	3				
English Elective	3				
Eng 400 Senior Seminar	3				
Eng 400 Senior Seminar	3				
<b>CAPSTONE EXPERIENCE (12 CREDITS)</b>					
*SED 411 — Student Teaching Stage IV Fields: Clearances Needed	6				
*SED 412 — Student Teaching Stage IV Fields: Clearances Needed	6				
<b>TOTAL</b>	<b>123</b>				

Milestones in the Teacher Education Program			
Milestone	Completed	Milestone	Completed
Basic Skills Testing		Test of Writing Competency	
Candidacy Admission		Praxis II	
Portfolio		GPA for Certification	

**English BSED 2021+**  
**Suggested Course Sequence**  
**\*Field Course – Clearances Needed**

**Semester 1**

	First Year Experience	4
WRT 120	Effective Writing	3
MAT	Must be 103 or above	3
ENG 201	Conv. Of Reading and Writing	3
	B & SS #1	3
		16

**Semester 3**

	American Literature	3
EDP 280		3
ENG 296	Theory, Meaning & Value	3
HIST XXX	Ged Ed History	3
JRN XXX	Journalism Elective	3
EDF 300	Dem. & Education	3
		18

\*Stage I fields: Clearances needed

**Semester 5**

	British Literature	3
EDR 347	Lit Dev in Sec Students w/disabilities	3
SED 300*	Princ. Of Teaching	3
	Poetry	3
ERM 355	Assessment for 7-12	3
		15

\*Stage III fields: Clearances needed

**Semester 7**

ENG XXX	English Elective	3
ENG 400	Seminar	3
ENG 390*	Teaching Eng. In Sec. Schools	3
	Writing Elective	3
	Gen Ed Art	3
		15

**Semester 2**

MAT XXX	Required for FATE	3
WRT 2XX	Research Writing	3
SED 100	Intro to Sec Education	3
EDA 103		3
	Gen Ed Sci #1	3
		15

**Semester 4**

SED 200*	Field Experience for Sec Ed	3
EDA 303	Spec Ed Principles	2
	World Literature (LIT GEN ED)	3
	English Elective	3
ENG 382	Teaching ELL	3
ENG /LIN 230	Intro to Linguistics	3
		17

TOWC completed. FATE paperwork should be completed and submitted by end of 4<sup>th</sup> semester.

**Semester 6**

	B&SS #2	3
ENG 400	Seminar	3
ENG 392*	Writing and the Teaching of Writing	3
WRH XXX	WRH Elective	3
	Gen Ed Science #2	3
		15

**Semester 8**

EDS 411&412*	Student Teaching	12
		12

**TEST OF WRITING COMPETENCY & PORTFOLIO  
REQUIREMENTS & PROCEDURES  
For B.S.Ed. and Teacher Certification in  
English**



This document will explain the requirements for the Test of Writing Competency (TOWC) and the Writing Portfolio. These are only required for students in the B.S.Ed. and Post-Bac programs, for students pursuing PA Teacher Certification. Students must pass the Test of Writing Competency in order to gain Candidacy to the Teacher Education Program in English. Students with Candidacy must pass the Writing Portfolio requirement to student teach.

### TEST OF WRITING COMPETENCY

All B.S.Ed. and Post-Bac students *must* pass the Test of Writing Competency to be attain Candidacy to our teacher education program. The Test is given once each fall and spring semester; test dates and location are posted in the Department of English, with advisors, and on our D2L site. The Test is not given during the summer. Take the Test no later than your second semester with sophomore status; transfer, certification, and graduate students should take the Test as soon as possible.

#### Procedures:

- You do not need to register for the Test.
- Bring to the Test: blue/black pen(s), 8 ½ X 11 writing paper; dictionary, if desired.
- ***If you do not pass:*** Students who fail the Test of Writing Competency must confer with a member of the Teacher Education Committee during the same semester in which the Test was taken. They should retake the Test the following semester.
- Students whose Test of Writing Competency does not meet Department standards after two submissions will be required to do additional work in writing before they may take the Test a third time. This work may involve taking an offered course or doing independent study in writing supervised by a faculty member.

Keep alert for the  
Test of Writing  
Competency dates on  
D2L and WCU email!  
It is only offered once  
per semester & never

### WRITING PORTFOLIOS

All Teacher Certification students entering the program must submit a Writing Portfolio that illustrates their excellence in writing **two semesters before student teaching**. No summer submissions are accepted. Students who submit their Portfolios at least two semesters before student teaching will have plenty of time to resubmit a revised Portfolio the following semester in the event that it does not pass on the first attempt. Students who do not pass and have not submitted their Portfolios at least two semesters prior to student teaching may risk delay in student teaching and graduation.

#### Requirements:

***Portfolios that do not meet all of the following requirements will not be read:***

- ***The portfolio consists of four papers (and each paper should be clearly identified):***
  - ***The Self-Assessment*** is a reflection on your writing and yourself as a writer in which you connect previous pieces of your writing to the writer, reader and thinker that you have become. This piece should help your readers understand why you chose each piece of writing, the assignment for each paper, the writing/composing process, AND what each piece reveals about your ability and/or growth as a writer. Remember that you can choose writing from anywhere in your college

career; the Self-Assessment is your opportunity to demonstrate how you have developed reflective and analytical skills regarding your own writing. This reflection/assessment of your writing should be approximately 3-4 pages long, citing specifics from your writing, and be in essay form. This should be the first paper in your portfolio.

- **Personal Essay** includes personal autobiographical narrative as well as fiction, biography, and oral history. The Personal Essay tells a story generated by the writer, not gathered from a secondary source, and may take the form of memoir, literacy narrative, stories (not poems) from creative writing classes, or related type. **Ask yourself: does this piece tell some kind of story about me?**
  - **Research Writing** incorporates primary and secondary sources and a **recognized citation system (the citations must be correct!!)**. It can be a literary research paper, from an English core class, from an ENG 400 seminar, or even from a Gen Ed class.
  - **Persuasive Writing** paper's purpose is to move readers to form or to change an opinion or to take a specific action. This includes literary analysis and other academic essays intended to prove a thesis, as well as book reviews or other opinion-based writing.
- ***Portfolio specifics:***
    - The Portfolio must be in an 8 ½ X 11 manila folder with the writer's full name on the tab.
    - All papers should be in their original form and include grades and comments. Graded papers can come from any university, but must have been written for a college class.
      - **At least one paper must have all preceding notes and drafts.**
      - You may hand in printouts of papers that were electronically graded. If your instructor provided audio comments, you may send them to Dr. Renzi as an email attachment.
      - If you do not have one of the specified modes (personal, research, or persuasive) from a college class, you can write one expressly for your portfolio. This will count as the ONE ungraded paper. Ungraded papers written expressly for the Portfolio must include all drafts and notes. No more than **two** ungraded papers (inclusive of the reflective piece) may be submitted.

### Procedures:

- Students should submit and sign-in their Portfolios to the English Department secretary in Main 540. **Late portfolios will not be accepted, so please observe carefully the due date and timespecified.**
- ***If you do not pass:*** Students must confer with their readers, listed in the letter included with the returned Portfolio, during the same semester in which the Portfolio was submitted. Students should resubmit their Portfolios **during the following semester** by the deadline specified. No Portfolios are evaluated during the summer.
- Students whose Portfolios do not meet Department standards after two submissions will be required to do additional work in writing before they may resubmit the Portfolio. This may involve taking a recommended course or doing independent study in writing, supervised by an English faculty member.
- If you have questions, please contact the English B.S.Ed. Coordinator, Dr. Laura Renzi at [lrenzi@wcupa.edu](mailto:lrenzi@wcupa.edu). **In order to receive answers to your questions in a timely manner, please contact Dr. Renzi one week (7 days) before the Portfolio is due.**

Remember to submit your Writing portfolio at least **two semesters (one year)** before you hope to student teach.

You must pass **both** the Test of Writing Competency & the Writing Portfolio to attain a B.S.Ed. in Secondary English Education, and PA teaching

# PORTFOLIO AND TEST OF WRITING COMPETENCY

## HOLISTIC SCORING GUIDE

6	5	4	3	2	1
<ul style="list-style-type: none"> <li>sharp, distinct voice</li> <li>substantial, specific, and/or illustrative content; sophisticated ideas that are particularly well-developed</li> <li>meaningful organization</li> <li>writer's voice apparent in tone, sentence structure, and word choice</li> <li>few mechanical and usage errors</li> </ul>	<ul style="list-style-type: none"> <li>clear focus</li> <li>specific and illustrative content</li> <li>obviously controlled, functional organization</li> <li>precision and variety in sentence structure and word choice</li> <li>some mechanical and usage errors</li> </ul>	<ul style="list-style-type: none"> <li>adequate focus</li> <li>sufficient content</li> <li>logical organization</li> <li>some precision and variety in sentence structure and word choice</li> <li>mechanical and usage errors not severe enough to interfere significantly with the writer's purpose</li> </ul>	<ul style="list-style-type: none"> <li>vague focus</li> <li>content limited to a listing, repetition, or mere sequence of ideas</li> <li>inconsistent organization</li> <li>limited sentence variety and word choice</li> <li>repeated weaknesses in mechanics and usage</li> </ul>	<ul style="list-style-type: none"> <li>confused focus</li> <li>superficial content</li> <li>confused organization</li> <li>lack of sentence variety and word choice variety</li> <li>mechanical and usage errors that seriously interfere with the writer's purpose</li> </ul>	<ul style="list-style-type: none"> <li>absence of focus</li> <li>absence of relevant content</li> <li>absence of organization</li> <li>no apparent control over sentence structure and word choice</li> <li>mechanical and usage errors so severe that writer's ideas are difficult if not impossible to understand</li> </ul>

**NOTE:** Scores 6 and 5 are "pass." Scores 4 through 1 or OP are "no pass."

NON-SCOREABLE (NS)	OFF-PROMPT (OP)
<ul style="list-style-type: none"> <li>is illegible: i.e., includes so many undecipherable words that no sense can be made of the response or</li> <li>is incoherent: i.e., words are legible but syntax is so garbled that response makes no sense or</li> <li>is a blank paper</li> </ul>	<ul style="list-style-type: none"> <li>is readable but did not respond to the prompt</li> <li>contains language or content that is inappropriate for a professional audience</li> <li>reflects a lack of awareness of—or sensitivity to—issues of diversity (gender, race/ethnicity, social class, sexuality, age, disability, etc.)</li> </ul>

### CHARACTERISTICS OF EFFECTIVE WRITING

FOCUS	CONTENT	ORGANIZATION	STYLE	CONVENTIONS
<ul style="list-style-type: none"> <li>demonstrates an awareness of audience and task</li> <li>establishes and maintains a clear purpose</li> <li>sustains a single point of view</li> <li>exhibits clarity of ideas</li> </ul>	<ul style="list-style-type: none"> <li>information and details are specific to topic</li> <li>information and details are relevant to focus</li> <li>ideas are fully developed</li> </ul>	<ul style="list-style-type: none"> <li>logical order or sequence is maintained</li> <li>paragraphs deal with one subject</li> <li>logical transitions are made within sentences and between paragraphs</li> <li>introduction and conclusion are evident</li> </ul>	<ul style="list-style-type: none"> <li>precise language</li> <li>effective word choice</li> <li>voice, tone, originality of language</li> <li>variety of sentence structures, types, and lengths</li> </ul>	<ul style="list-style-type: none"> <li>mechanics: spelling, capitalization, punctuation</li> <li>usage (e.g., pronoun references, subject-verb agreement)</li> <li>sentence completeness</li> </ul>

## B.S.Ed. MATHEMATICS – 122 CREDITS (Pre Fall 2021+)

<b>Name:</b>	<b>Date Major Declared:</b>	<b>Planned Grad Date:</b>			
CORE or Pearson PAPA Modules 1- Reading, 2-Math, 3-Writing (Sophomore Year, Required for Formal Admission):					
Formal Admission to Teacher Education Program (FATE) req. Pearson PAPA tests, 48+ credits of study & 2.8+ GPA; date:					
Praxis 5161 Mathematics Content Knowledge Test (Must take prior to student teaching, and earn passing score to graduate):					
	<b>CREDITS</b>	<b>COURSE</b>	<b>SEMESTER</b>	<b>GRADE</b>	<b>REP/W**</b>
<b>GENERAL EDUCATION REQUIREMENTS (See approved list)</b>					
FIRST YEAR EXPERIENCE	4				
WRT 120 or 123	3				
WRT 200, or 204, or 205, or 206, or 208, or 220	3				
MATH	-	MAT 161			
DIVERSE COMMUNITIES "J"	-	ENG 382			
INTERDISCIPLINARY "I"	3				
SCIENCE (6 CREDITS FROM TWO AREAS: CHEM, BIO, ESS, PHYSICS)	-	PHY 170			
	-	CSC 141			
BEHAVIOR & SOCIAL SCI. (6 CREDITS FROM TWO AREAS: ANT SOC PSY ECO GEO PSC)	3	PSY 100			
	3				
HUMANITIES (A LIT COURSE AND HIS 444)	3	(REQ for Candidacy)			
	-	HIS 444			
ARTS (ART CINEMATOGRAPHY MUSIC PHOTOGRAPHY THEATRE)	3				
ETHICS "E" COURSE	3	PHI 180			
SPEAKING "S" COURSE	-	SED 350			
	-	SED 411			
	-	SED 412			
WRITING "W" COURSE	-	SED 350			
	-	SED 354			
	-	MAT 401			
CAPSTONE	-	SED 411/412			
<b>EDUCATION REQUIREMENTS</b>					
HIS 444 – History of American Education (GE Humanities)	3				
*EDP 250 — Educational Psychology Stage I Fields: Clearances Needed	3				
EDA 103 — Foundations of Special Education	3				
*EDA 304 — Special Education for Secondary Educators FATE Stage II Fields: Clearances Needed	3				
EDR 347 — Literacy Devel & Sec Students w/Disabilities	3				
LAN/ENG 382 — ELL Strategies for Content Area Teachers	3				
*SED 350 Middle School Mathematics Methods Stage III Fields: Clearances Needed	3				
*SED 360 Middle School Mathematics Field Experiences Stage III Fields: Clearances Needed	1				
*SED 354 Secondary Mathematics Methods Stage III Fields: Clearances Needed	3				
*SED 364 Secondary Mathematics Field Experiences Stage III Fields: Clearances Needed	1				
*SED 411 — Student Teaching Stage IV Fields: Clearances Needed	6				
*SED 412 — Student Teaching Stage IV Fields: Clearances Needed	6				

<b>MATHEMATICS COURSES (45 CREDITS)</b>					
MAT 161 Calculus	4				
MAT 162 Calculus II	4				
MAT 200 Nature of mathematics	3				
MAT 261 Calculus III	4				
MAT 311 Linear Algebra	3				
MAT 331 Geometry	3				
MAT 401 History of Mathematics	3				
MAT 411 Algebra I	3				
MAT 414 Number Theory	3				
MAT 421 Mathematical Statistics I	3				
MAT 441 Real Analysis I	3				
Applied Mathematics Elective	3				
Analysis Elective	3				
Mathematics Elective	3				
<b>COGNATE REQUIREMENTS (11 CREDITS)</b>					
PHY 170 Physics I	4				
PHY 180 Physics II	4				
CSC 141 Intro Computer Science	3				

Advising Comments

## BSEd Math

### Suggested Course Sequence

#### Semester 1

	First Year Experience	4	
WRT 120	Effective Writing	3	
MAT 161	Calculus I	4	
PHI 180	Intro to Ethics (E)	3	
	Gen Ed Lit	3	
		17	

#### Semester 3

MAT 261	Calculus III	4	
EDP 250	Ed. Psychology	3	
EDA 103	Found. Of Sp Ed	3	
MAT 311	Linear Algebra	3	
PHY 170	Physics I	4	
		17	

#### Semester 5

MAT 411	Algebra I	3	
MAT 421	Math Statistics I	3	
SED 350	Middle School Math Methods	3	
SED 360	SED 350 Field	1	
HIS 444	Hist. of American Ed	3	
	Gen Ed "I" Course	3	
		16	

#### Semester 7

SED 411&412	Student Teaching	12	
		12	

#### Semester 2

MAT 162	Calculus II	4	
WRT 2XX	Research Writing	3	
	Gen Ed B & SS	3	
CSC 141	Intro to Comp. Sci	3	
MAT 200	Nature of Math	3	
		16	

#### Semester 4

MAT 441	Real Analysis 1	3	
MAT	Analysis Elective	3	
PHY 180	Physics II	4	
EDA 304	Spec. Ed For 2 <sup>nd</sup> Schools	3	
PSY 100	Intro to Psych	3	
		16	

\*\*Candidacy paperwork submitted by end of 4<sup>th</sup> semester.

#### Semester 6

MAT 331	Geometry	3	
MAT 414	Number Theory	3	
SED 354	Sec. Math Methods	3	
SED 364	SED 354 field	1	
LAN/ENG 382	Teaching ELL	3	
EDR 347	Lit Dev. & Sec. Students	3	
		16	

#### Semester 8

MAT 401	History of Math		3	
MAT	Applied Math Elec.		3	
MAT	Elective		3	
	Gen Ed Arts		3	
			12	



## B.S.Ed. MATHEMATICS (127 CREDITS) Fall 2021 +

<b>Name:</b>	<b>Date Major Declared:</b>		<b>Planned Grad Date:</b>		
Basic Skills Testing Requirement for Candidacy					
Candidacy Req: 48 credits, 3 lit, 3 comp, 6 math, 2.8 GPA, Basic Skills Testing					
Praxis 5161 Mathematics Content Knowledge Test (Must take prior to student teaching, and earn passing score for certification):					
	<b>CREDITS</b>	<b>COURSE</b>	<b>SEMESTER</b>	<b>GRADE</b>	<b>REP/W*</b>
<b>GENERAL EDUCATION REQUIREMENTS (61 less 36 Attributed to Major Requirements = 25 credits)</b>					
FIRST YEAR EXPERIENCE	4				
WRT 120	3				
WRT 200, or 204, or 205, or 206, or 208, or 220	3				
MATH	-	MAT 161			
<b>DIVERSE COMMUNITIES "J"</b>	-	ENG 382			
<b>INTERDISCIPLINARY "I"</b>	-	EDF 300			
<b>SCIENCE</b> (6 CREDITS FROM TWO AREAS: CHEM, BIO, ESS, PHYSICS)	-	PHY 170			
	-	CSC 141			
<b>BEHAVIOR &amp; SOCIAL SCI.</b> (6 CREDITS FROM TWO AREAS: ANT SOC PSY ECO GEO PSC)	3				
	3				
<b>HUMANITIES</b> (A LIT COURSE is required for candidacy)	3	LIT ( <i>REQ for Candidacy</i> )			
	3				
<b>ARTS</b> (ART CINEMATOGRAPHY MUSIC PHOTOGRAPHY THEATRE)	3				
<b>ETHICS "E" COURSE</b>	-	ERM 355			
<b>SPEAKING "S" COURSE</b>	-	SED 200			
	-	SED 411			
	-	SED 412			
<b>WRITING "W" COURSE</b>	-	SED 350			
	-	SED 354			
	-	MAT 401			
<b>CAPSTONE</b>	-	SED 411/412			
<b>EDUCATION CORE REQUIREMENTS (29 credits)</b>					
EDF 300 Democracy and Education "I"	3				
EDP 280 — Developmental and Psychological Perspectives in Education	3				
EDA 103 — Foundations of Special Education	3				
EDA 303 — Special Education for Secondary Educators	2				
EDR 347 — Literacy Development & Sec Students w/Disabilities	3				
LAN/ENG 382 — ELL Strategies for Content Area Teachers	3				
ERM 355 Ethical and Effective Assessment for Learning 7 – 12 "E"	3				
SED 100 An Exploration of Secondary Education	3				
SED 200 Secondary Field Experience. "S"	3				
SED 300 Principles of Teaching and Field Experience "W"	3				
<b>MATHEMATICS EDUCATION REQUIREMENTS (12 credits)</b>					
SED 350 Middle School Mathematics Methods "W"	3				
SED 354 Secondary Mathematics Methods "W"	3				
SED 356 Advanced Perspectives of High School Mathematics I	3				
SED 357 Advanced Perspectives of High School Mathematics II	3				
<b>MATHEMATICS COURSES - CORE (27 CREDITS)</b>					
MAT 161 Calculus	4				
MAT 162 Calculus II	4				
MAT 200 Nature of mathematics	3				

MAT 261 Calculus III	4				
MAT 311 Linear Algebra	3				
MAT 411 Algebra I	3				
MAT 421 Mathematical Statistics I	3				
MAT 441 Real Analysis I	3				
<b>MATHEMATICS COURSES – EDUCATION CORE &amp; ELECTIVES (15 CREDITS)</b>					
MAT 331 Geometry	3				
MAT 343 Differential Equations	3				
MAT 401 History of Mathematics “W”	3				
Applied Mathematics Elective	3				
Mathematics Elective	3				
<b>COGNATE REQUIREMENTS (7 CREDITS)</b>					
PHY 170 Physics I	4				
CSC 141 Intro Computer Science	3				
<b>CAPSTONE EXPERIENCE (12 CREDITS)</b>					
*SED 411 — Student Teaching Stage IV Fields: Clearances Needed	6				
*SED 412 — Student Teaching Stage IV Fields: Clearances Needed	6				
<b>TOTAL</b>	<b>127</b>				

Milestones in the Teacher Education Program			
Milestone	Completed	Milestone	Completed
Basic Skills Testing		Test of Writing Competency	
Candidacy Admission		Praxis II	
Portfolio		GPA for Certification	

**B.S.Ed. Mathematics  
Sample Schedule  
Fall 2021**

	Fall	Spring
Yr 1	FY Experience WRT 120 Gen Ed Humanities LIT MAT 161 CSC 141  17 credits	SED 100 EDP 280 WRT 200, 204, 205, 206, 208 or 220 MAT 162 MAT 200  16 credits
Yr 2	EDF 300 "I" EDA 103 MAT 261 MAT 311 PHY 170  17 credits	EDA 303 SED 200 SED 356 MAT 441 MAT 343 Gen Ed Behavioral/ Social Science  17 credits
Yr 3	ERM 355 "E" SED 300 SED 350 "W" (Required) SED 357 MAT 411  15 credits	SED 354 "W" (Required) LAN/ ENG 382 "J" EDR 347 MAT 331 MAT 421 Gen Ed Behavioral/ Social Science  18 credits
Yr 4	EDS 411 & 412 "S"   12 credits	MAT 401 "W" MAT Applied Mathematics Elective MAT Elective Gen Ed Arts Gen Ed Humanities  15 credits

Advising Comments

Gen Ed	Core Ed	Math Ed	Cognate	Math Core	Math Ed Core/Electives	Total
25	41	12	7	27	15	127

\*Noyce Scholar - B.A./BSED dual majors need up to 4 courses in Foreign Language (through 202 level), MAT 405 – Special Topics, & must choose their Mathematics elective to be in the Algebra category

## Math Program Assessments

### **Mathematics Pedagogy Knowledge Portfolio**

At the completion of a candidate's student teaching internship, candidates are required to complete a Mathematics Pedagogy Knowledge Portfolio to demonstrate their mastery of the pedagogical knowledge required of the NCTM CAEP Standards. The Mathematics Pedagogy Knowledge Portfolio is an electronic portfolio available to candidates when they declare their major as a BSED in secondary mathematics. Candidates submit artifacts, which include graded coursework such as exams, homework, lesson plans, etc., provide evidence of their mastery of a particular competency. Two different faculty members, selected randomly from the educators in the department, grade the Mathematics Pedagogy Knowledge portfolio. Candidates must demonstrate proficiency in each required component of the competency within each standard. After an initial review, candidates are given an opportunity to address any areas of concern during their final semester after student teaching.

### **Lesson plan portfolio**

- The lesson plan portfolio is a culmination of several activities occurring during two semesters of coursework. Teacher candidates work on several different aspects of lesson plans during both pedagogy courses and submit four lesson plans to the portfolio at the completion of the both pedagogy courses. Each lesson plan is evaluated individually during the courses and evaluated as a collection in this portfolio.

## B.S.Ed. Biology (122 CREDITS) (Pre Fall 2021+)

<b>Name:</b>	<b>Date Major Declared:</b>		<b>Planned Grad Date:</b>		
CORE or Pearson PAPA Modules 1- Reading, 2-Math, 3-Writing (Sophomore Year, Required for Formal Admission):					
Formal Admission to Teacher Education Program (FATE) req. Pearson PAPA tests, 48+ credits of study & 2.8+ GPA; date:					
Praxis - Biology Content Knowledge Test (Must take prior to student teaching, and earn passing score to graduate):					
	<b>CREDITS</b>	<b>COURSE</b>	<b>SEMESTER</b>	<b>GRADE</b>	<b>REP/W**</b>
<b>GENERAL EDUCATION REQUIREMENTS (33 CREDITS) (See approved list)</b>					
First Year Experience	4				
WRT 120 or 123	3				
WRT 200, or 204, or 205, or 206, or 208, or 220	3				
MATH	-	MAT 121			
<b>DIVERSE COMMUNITIES "J"</b> (SCE 350 OR LAN 382)	-	ENG 382			
<b>INTERDISCIPLINARY "I"</b> (require ESS/SCB/ENV 102, or SCB 210)	-	EDF 300			
<b>SCIENCE</b> ( 6 CREDITS FROM TWO AREAS: CHEM, BIO ESS, PHYSICS)	-	ESS 101			
	-	CHE 103			
<b>BEHAVIOR &amp; SOCIAL SCI.</b> (6 CREDITS FROM TWO AREAS: ANT SOC PSY ECO GEO PSC)	3				
	3				
<b>HUMANITIES</b> (A LIT COURSE AND Phi 180) )	3	LIT/CLS			
	3	PHI 180			
<b>ARTS</b> (ART CINEMATOGRAPHY MUSIC PHOTOGRAPHY THEATRE)	3				
<b>ETHICS "E" COURSE</b>	-	PHI 180			
<b>Capstone</b>	-	EDS 411/412			
<b>SPEAKING "S" COURSE</b>	-				
	-	SED 411			
	-	SED 412			
<b>WRITING "W" EMPHASIS</b>	-	LIT 165			
	-	SED 306			
	-	BIO 440			
<b>EDUCATION REQUIREMENTS (36 CREDITS)</b>					
EDA 103 — Foundations of Special Education	3				
EDP 250 — Educational Psychology (Level 1 Field)	3				
EDF 300 Democracy & Education	3				
EDA 304 — Special Education for Secondary Educators FATE (Level 2 Field)	3				
EDR 347 — Literacy Devel & Sec Students w/Disabilities	3				
LAN/ENG 382 — ELL Strategies for Content Area Teachers	3				
SED 306 — Pr. Tch & Field Exp. Secondary School (W) FATE (Level 3 Field)	3				
SED 350 — Sci Ed Secondary School (W, J, S) FATE (Level 3 Field)	3				
SED 411 — Student Teaching (S) (Level 4 Field)	6				
SEDS 412 — Student Teaching (S) (Level 4 Field)	6				

<b>Supporting Courses (23 credits)</b>					
Calculus	4				
CHE 103 — General Chemistry I	3				
CRL 103 — Exp. General Chemistry I	1				
CHE 104 General Chemistry II	3				
CRL 104 Exp. Chemistry II	1				
CHE 231 Organic Chemistry	3				
CRL 231 Exp. Organic Chemistry I	2				
PHY 130 — General Physics I or PHY 170—Physics I	4				
ESS 101 Earth & Space Science	3				
<b>CORE REQUIREMENTS (21 CREDITS) –</b>					
BIO 110 General Biology	3				
Bio 214 General Microbiology (has a lab)	4				
BIO 215 General Botany (has a lab)	3				
BIO 217 General Zoology (has a lab)	3				
BIO 220 Cell Physiology (has a lab)	3				
BIO 230 Genetics	3				
BIO 270 General Ecology (has a lab)	3				
<b>Biology Electives (6 credits)</b>					
Bio Elective (300 level or above- except BIO 307 or 469)	3				
Bio Elective (300 level or above except BIO 307 or 469)	3				

The PDE requires applicants teaching certification to have a minimum GPA of 3.0 at graduation,

**\*\*3 classes above must be “W” emphasis.**

**“I” course cannot be applied as a distributive requirement (Science, Humanities, or Behavioral & Social Science)**

## Advising Comments

## BSEd Biology

### Suggested Course Sequence

\*Field Course – Clearances Required

#### Semester 1

FYE	First-Year Experience	4	
WRT 120	Composition	3	
BIO 110	General Biology	3	
CHE 103	General Chemistry I	3	
CRL 103	Gen Chemistry Lab I	1	
MAT 121	Statistics	3	
		17	

#### Semester 3

CHE 231	Organic Chemistry	3	
CRL 231	Organic Chemistry Lab	2	
BIO 215 or 217	General Botany or General Zoology	3	
EDF 300	Democracy & Education	3	
EDP 250	Educational Psychology	3	
	Gen Ed Art	3	
		17	

#### Semester 5

PHY 130 or 170	General Physics or Physics I	4	
BIO 220	Cell Physiology	3	
BIO 230 or 270	Genetic or General Ecology	3	
EDA 304	Spec. Ed. For Sec. Educators	3	
EDR 347	Lit. Dev. & Sec. Students w/Disabilities	3	
		16	

#### Semester 7

	Behavioral and Social Science Gen Ed 2	3	
	Bio Elective	3	
SED 350*	Sci. Ed in Sec. Schools	3	
ESS 101	Earth and Space Science	3	
		12	

#### Semester 2

WRT 2XX	Research Writing	3	
BIO 215 or 217	General Botany or General Zoology	3	
CHE 104	Chemistry II	3	
CRL 104	Chemistry II Lab	1	
LIT/CLS	Gen Ed Humanities	3	
PHI 180	Gen Ed Ethics	3	
		16	

#### Semester 4

BIO 214	General Microbiology	4	
MAT 108, 109, or 161		3	
EDA 103	Intro to Spec. Education	3	
BIO 230 or 270	General Genetics or General Ecology	3	
	Directed Elective	3	
		16	

Apply for Candidacy after semester

#### Semester 6

BIO	Elective	3	
SED 306	Principles of Teaching	3	
LAN/ENG 382	ELL Teaching	3	
	Behavioral & Social Science Gen ED	3	
	Directed Elective	3	
		15	

#### Semester 8

SED 411&412	Student Teaching	12	
		12	

**B.S.Ed. Biology (127/128 Credits) Fall 2021+**

Name:	ID#	Grad Date:	
Basic Skills Requirement for Candidacy			
Candidacy req: 48 credits, 3 comp, 3 lit, 6 math, 2.8 GPA, Basic Skills Testing			
Praxis II – Biology Content Test (take before student teaching, pass for certification)			
	<b>CREDITS</b>	<b>COURSE</b>	<b>SEMESTER</b>
		<b>GRADE</b>	<b>REP/W*</b>
<b>GENERAL EDUCATION REQUIREMENTS (61 less 36 Attributed to Major Requirements = 25 credits)</b>			
First Year Experience	4		
WRT 120 Effective Writing	3		
WRT 200, or 204, 205, 206, 207, 208 Critical Writing	3		
Math	-	MAT 121	
Diverse Communities (J)	-	ENG 382	
Interdisciplinary (I)	-	EDF 300	
Ethics Course (E)	-	ERM 355	
Science (6 credits from two areas: CHEM, BIO, ESS, PHY, CSC)	-	ESS 101	
	-	CHE 103	
Behavior & Social Science (6 credits from two areas: ANT, SOC, PSY, ECO, GEO PSC)	3		
	3		
Humanities (must take a LIT course)	3	LIT 165 (REQ for Candidacy)	
	3		
Art	3		
Speaking Emphasis Courses (s)		SED 200	
		SED 411	
		SED 412	
Writing Emphasis Courses (w)		LIT 165	
		SED 300	
		BIO 211	
<b>CAPSTONE</b>	-	SED 411/412	
<b>EDUCATION CORE REQUIREMENTS (29 credits)</b>			
EDF 300 Democracy in Education "I"	3		
EDP 280 Dev. And Psychological Perspectives in Education	3		
EDA 103 Foundations in Special Education	3		
EDA 303 Special Education for Secondary Educators	2		
EDR 347 Lit. Development and Students with Disabilities	3		
LAN/ENG 382 ELL Strategies for Content Area Teachers	3		
ERM 355 Ethical and Effective Assessment for 7-12 Learning "E"	3		
SED 100 An Exploration of Secondary Education	3		
SED 200 Learning Environments & Field Experience in Secondary Schools. "S"	3		
SED 300 Principles of Teaching and Technology in Secondary Education "W"	3		
<b>SCIENCE EDUCATION REQUIREMENTS (3 credits)</b>			
SED 360 Science Education in the Secondary Schools	3		
<b>BIOLOGY COURSES - CORE 33 CREDITS)</b>			
BIO 110 General Biology I	4		
BIO 111 General Biology II	4		



BIO 210 Genetics	3				
BIO 210L Genetics	1				
BIO 211 Cell Biology "W"	4				
BIO 214 General Microbiology w/Lab	4				
BIO 270 General Ecology w/ Lab	3				
BIO 412 Organic Evolution	3				
BIO Elective (300 level or above – except Bio 307 or 469)	3				
<b>COGNATE REQUIREMENTS (25 CREDITS)</b>					
MAT 121 Statistics	3				
Calculus (MAT 143 or 161)	3/4				
CHE 103 General Chemistry I	3				
CRL 103 Exp General Chemistry I	1				
CHE 104 General Chemistry II	3				
CRL 104 EXP Chemistry II	1				
CHE 231 Organic Chemistry I	3				
CRL 231 Exp. Organic Chemistry I	1				
PHY 130 General Physics I or PHY 170 Physics I	4				
ESS 101 Introduction to Geology	3				
<b>CAPSTONE EXPERIENCE (12 CREDITS)</b>					
*SED 411 — Student Teaching Stage IV Fields: Clearances Needed	6				
*SED 412 — Student Teaching Stage IV Fields: Clearances Needed	6				
<b>TOTAL</b>	<b>127</b>				

Semester	Suggested Courses	Credits
Year 1		
One (15 cr.)	BIO 110 General Biology I CHE 103 General Chemistry I CHE 103L General Chemistry I Lab MAT 121 Introduction to Statistics I FYE 100X First Year Experience	4 3 1 3 4
Two (17 cr.)	BIO 111 General Biology II CHE 104 General Chemistry II CHE 104L General Chemistry II Lab SED 100 Introduction to Secondary Education EDP 280 Educational Psychology WRT 120 Effective Writing I	4 3 1 3 3 3
Year 2		
Three (16 cr.)	BIO 214 General Microbiology w/ Lab CHE 231 Organic Chemistry I CHE 231L Organic Chemistry I Lab EDA 103 Foundations of Special Education WRT 2XX 200-level Writing Course	4 4 2 3 3
Four (15 / 16 cr.)	BIO 210 Genetics BIO 210L Genetics Lab MAT 143 Brief Calculus OR MAT 145 Calculus for the Life Sciences OR MAT 161 Calculus I SED 200 Field Experience for 7-12 Secondary Teachers EDA 303 Special Education for Secondary Educators	3 1 3 / 4 3 3 2
Year 3		
Five (17 cr.)	BIO 211 Cell Biology w/ Lab PHY 130 General Physics I OR PHY 170 Physics I EDF 300 Democracy & Education LIT 165 Topics in Literature Humanities Elective	4 4 3 3 3
Six (18 cr.)	BIO 270 Ecology BIO 412 Organic Evolution SED 300 Principles of Teaching and Field Experience in Secondary Schools ERM 355 Ethical and Effective Assessment for 7-12 Learning Behavioral & Social Science Elective 2nd Behavioral & Social Science Elective	3 3 3 3 3 3
Year 4		
Seven (18 cr.)	BIO XXX Biology Elective (300 level or above – except Bio 307 or 469) ESS 101 Introduction to Geology SED 360 Science Education in the Secondary Schools LAN/ENG 382 ELL Strategies for Content Area Teachers EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms Arts Elective	3 3 3 3 3 3
Eight (12 cr.)	EDS 411 Student Teaching Secondary – 1 <sup>st</sup> half EDS 412 Student Teaching Secondary – 2 <sup>nd</sup> half	6 6

## B.S.Ed Chemistry (121 CREDITS) (Pre Fall 2021+)

<b>Name:</b>	<b>Date Major Declared:</b>		<b>Planned Grad Date:</b>		
CORE or Pearson PAPA Modules 1- Reading, 2-Math, 3-Writing (Sophomore Year, Required for Formal Admission):					
Formal Admission to Teacher Education Program (FATE) req. Pearson PAPA tests, 48+ credits of study & 2.8+ GPA; date:					
Praxis 5245-Chemistry Content Knowledge Test (Must take prior to student teaching, and earn passing score to graduate):					
	<b>CREDITS</b>	<b>COURSE</b>	<b>SEMESTER</b>	<b>GRADE</b>	<b>REP/W**</b>
<b>GENERAL EDUCATION REQUIREMENTS (33 CREDITS)</b>					
WRT 120 or 123	3				
WRT 200, or 204, or 205, or 206, or 208, or 220	3				
Math	-	MAT 161			
First Year Experience	4				
<b>DIVERSE COMMUNITIES "J"</b>	-	LAN 382			
<b>INTERDISCIPLINARY "I"</b>	-	EDF 300			
<b>Science (6 credits from Two Areas: Bio, Chem, Physics, ESS)</b>	-	BIO 110			
	-	PHY 170			
<b>BEHAVIOR &amp; SOCIAL SCI. (6 CREDITS FROM TWO AREAS: ANT SOC PSY ECO GEO PSC)</b>	3	PSY 100			
	3				
<b>HUMANITIES (A LIT 165 COURSE AND Phil 180 (E))</b>	3	Lit 165			
	3	Phil 180			
<b>ARTS (ART CINEMATOGRAPHY MUSIC PHOTOGRAPHY THEATRE)</b>	3				
<b>Ethics "E" Course</b>	-	Phil 180			
<b>Capstone</b>	-	EDS 411/412			
<b>Speaking "S" Course</b>	-				
	-	SED 411			
	-	SED 412			
<b>Writing "W" Emphasis Course</b>	-	SED 306			
	-	LIT 165			
	3				
<b>EDUCATION REQUIREMENTS (35 CREDITS)</b>					
EDF 300 Democracy & Education	3				
EDP 250 — Educational Psychology	3				
EDA 103 — Foundations of Special Education	3				
EDA 304 — Special Education for Secondary Educators FATE	3				
EDR 347 — Literacy Devel & Sec Students w/Disabilities	3				
LAN/ENG 382 — ELL Strategies for Content Area Teachers	3				
SED 306 — Pr. Tch & Field Exp. Secondary School (W) FATE	3				
SED 350 — Sci Ed Secondary School (W, J, S) FATE	3				
SED 411 — Student Teaching (S)	6				
SED 412 — Student Teaching (S)	6				
<b>MATH (6 CREDITS)</b>					
MAT 161 Calculus I	4				
MAT 162 Calculus II	4				

<b>SCIENCE COGNATES (11 CREDITS)</b>					
BIO 110 — General Biology	3				
PHY 170 Physics I	4				
PHY 180 Physics II	4				
<b>CORE REQUIREMENTS (30 CREDITS) – AND WHEN OFFERED</b>					
CHE 103 General Chemistry	3				
CRL 103 Exp. Gen Chem. I	1				
CHE 104 General Chemistry II	3				
CRL 104 Exp. Gen Chemistry II	1				
CHE 231 Organic Chemistry	4				
CRL 231 Exp. Organic Chemistry I Lab	2				
CHE 232 Organic Chemistry II	3				
CRL 232 Exp. Organic Chemistry II Lab	2				
CHE 321 Analytical Chemistry I	3				
CRL 321. Analytical Chemistry I Lab	2				
CHE 341 Physical Chemistry I	4				
CRL 341 Exp. Physical Chemistry Lab	2				
CHE 411 Advanced Inorganic Chemistry	3				
CHE 418 Chemical Information	1				
CHE 476 Biochemistry I	3				
CHE 491 Chemistry Seminar	1				

The PDE requires applicants teaching certification to have a minimum GPA of 3.0 at graduation.

**\*\*3 classes above must be “W” emphasis.**

**“I” course cannot be applied as a distributive requirement (Science, Humanities, or Behavioral & Social Science)**

Advising Comments

## BSEd Chemistry

### Suggested Course Sequence

\*Field Course – Clearances Required

#### Semester 1

CHE 103	General Chemistry	3	
CRL 103	Gen Chem Lab	1	
MAT 161	Calculus I	4	
WRT 120	Effective Writing 1	3	
	First-Year Experience	4	
		15	

#### Semester 2

CHE 104	Gen. Chemistry II	3	
CRL 104	Gen Chem Lab II	1	
MAT 162	Calculus II	4	
EDS 250	Ed. Psychology	3	
PHI 180	Intro to Ethics	3	
WRT 2XX	Research Writing	3	
		17	

#### Semester 3

CHE 231	Organic Chemistry	4	
CRL 231	Organic Chem Lab I	2	
CHE 321	Analytical Chem I	3	
CRL 321	Analytical Chem Lab I	2	
PHY 170	Physics I	4	
		15	

#### Semester 4

CHE 232	Organic Chem II	3	
CRL 232	Organic Chem II Lab	2	
PHY 180	Physics II	4	
EDA 103	Found. To Spec. Ed	3	
LIT 165	Intro to Lit	3	
CHE 418	Chemical Information	1	
		16	

\*Apply for Candidacy at end of the Semester

#### Semester 5

CHE 341	Physical Chemistry I	4	
CRL 341	Phys. Chem Lab I	2	
EDF 300	Democracy & Ed	3	
EDA 304	SP. Ed. Processes	3	
	Gen Ed Arts	3	
		15	

#### Semester 6

CHE 411	Adv. Inorganic Chem	3	
BIO 110	General Biology	3	
SED 306	Pri Teaching	3	
	Gen Ed S/SS	3	
PSY 100	Intro to Psych	3	
		15	

#### Semester 7

CHE 476	Biochemistry I	3	
CHE 491	Chemistry Seminar	1	
SED 350	Sci Ed Sec. School	3	
LAN 382	Teaching ELL	3	
	Gen Ed B/SS	3	
EDR 347	Lit Dev. In Sec. Schools	3	
		16	

#### Semester 8

SED 411/412	Student Teaching	12	
		12	

**B.S.Ed. Chemistry (127 Credits) Fall 2021 +**

Name	ID#	Grad Date:			
Basic Skills Requirement for Candidacy					
Candidacy Requirements: 48 credits, 3 comp, 3 lit, 6 math, 2.8 GPA, Basic Skills Testing					
Praxis II – Chemistry Content Test (take before student teaching, pass for certification)					
	CREDITS	COURSE	SEMESTER	GRADE	REP/W**
<b>GENERAL EDUCATION REQUIREMENTS (61 less 36 Attributed to Major Requirements = 25 credits)</b>					
First Year Experience	4				
WRT 120 Effective Writing	3				
WRT 200, or 204, 205, 206, 207, 208 Critical Writing	3				
Math	-	MAT 161			
Diverse Communities (J)	-	ENG 382			
Interdisciplinary (I)	-	EDF 300			
Ethics Course (E)	-	ERM 355			
Science (6 credits from two areas: CHEM, BIO, ESS, PHY, CSC)	-	BIO 110			
	-	PHY 170			
Behavior & Social Science (6 credits from two areas: ANT, SOC, PSY, ECO, GEO, PSC)	3				
	3				
Humanities (must take a LIT course)	3	LIT 165			
	3				
Art	3				
Speaking Emphasis Courses (s)		SED 200			
		SED 411			
		SED 412			
Writing Emphasis Courses (w)		LIT 165			
		LNC 105 / FLM 200			
		SED 300			
CAPSTONE	-	SED 411/412			
<b>EDUCATION CORE REQUIREMENTS (29 credits)</b>					
EDF 300 Democracy in Education "I"	3				
EDP 280 Dev. And Psychological Perspectives in Education	3				
EDA 103 Foundations in Special Education	3				
EDA 303 Special Education for Secondary Educators	2				
EDR 347 Lit. Development and Students with Disabilities	3				
LAN/ENG 382 ELL Strategies for Content Area Teachers	3				
ERM 355 Ethical and Effective Assessment for 7-12 Learning "E"	3				
SED 100 An Exploration of Secondary Education	3				
SED 200 Learning Environments & Field Experience in Secondary Schools. "S"	3				
SED 300 Principles of Teaching and Technology in Secondary Education "W"	3				
<b>SCIENCE EDUCATION REQUIREMENTS (3 credits)</b>					
SED 360 Science Education in the Secondary Schools	3				
<b>CHEMISTRY COURSES - CORE (38 CREDITS)</b>					
CHE 103 General Chemistry I	3				
CRL 103 General Chemistry I Lab	1				
CHE 104 General Chemistry II	3				

CRL 104 General Chemistry II Lab	1				
CHE 231 Organic Chemistry	4				
CRL 231 Organic Chemistry I Lab	2				
CHE 232 Organic Chemistry II	3				
CRL 232 Organic Chemistry II Lab	2				
CHE 321 Analytical Chemistry	3				
CRL 321 Analytical Chemistry Lab	2				
CHE 341 Physical Chemistry I	4				
CRL 341 Physical Chemistry I Lab	2				
CHE 409 Descriptive Inorganic Chemistry or CHE 411 Advanced Inorganic Chemistry	3				
CHE 418 Chemical Information	1				
CHE 476 Bio Chemistry I	3				
CHE 491 Chemistry Seminar	1				
COGNATE REQUIREMENTS (20 CREDITS)					
MAT 161 Calculus I	4				
MAT 162 Calculus II	4				
BIO 110 General Biology I	4				
PHY 170 Physics I	4				
PHY 180 Physics II	4				
CAPSTONE EXPERIENCE (12 CREDITS)					
*SED 411 — Student Teaching Stage IV Fields: Clearances Needed	6				
*SED 412 — Student Teaching Stage IV Fields: Clearances Needed	6				
TOTAL	127				

Semester	Suggested Courses	Credits
Year 1		
One (15 cr.)	CHE 103 General Chemistry I CRL 103 General Chemistry I Lab MAT 161 Calculus I WRT 120 Effective Writing I FYE 100X First Year Experience	3 1 4 3 4
Two (17 cr.)	CHE 104 General Chemistry II CRL 104 General Chemistry II Lab MAT 162 Calculus II SED 100 Introduction to Secondary Education EDP 280 Educational Psychology WRT 2XX 200-Level WRT Course	3 1 4 3 3 3
Year 2		
Three (18 cr.)	CHE 231 Organic Chemistry I CRL 231 Organic Chemistry I Lab CHE 321 Analytical Chemistry I CRL 321 Analytical Chemistry I Lab PHY 170 Physics I EDA 103 Foundations of Special Education	4 2 3 2 4 3
Four (17 cr.)	CHE 232 Organic Chemistry II CRL 232 Organic Chemistry II Lab PHY 180 Physics II SED 200 Field Experience for 7-12 Secondary Teachers EDA 303 Special Education for Secondary Educators LNC 105 / FLM 200 (Humanities/Arts Elective & Writing Emp.)	3 2 4 3 2 3
Year 3		
Five (17 cr.)	CHE 341 Physical Chemistry I CRL 341 Physical Chemistry I Lab CHE 418 Chemical Information BIO 110 General Biology I EDF 300 Democracy & Education LIT 165 Topics in Literature	4 2 1 4 3 3
Six (15 cr.)	CHE 411 Advanced Inorganic Chemistry OR CHE 476 Biochemistry I SED 300 Principles of Teaching and Field Experience in Secondary Schools ERM 355 Ethical & Effective Assessment for 7-12 Learning LAN/ENG 382 ELL Strategies for Content Area Teachers Behavioral & Social Science Elective	3 3 3 3 3 3
Year 4		
Seven (16 cr.)	CHE 409 Descriptive Inorganic Chemistry OR CHE 476 Biochemistry I CHE 491 Seminar in Chemistry SED 360 Science Education in the Secondary Schools EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms Humanities or Arts Elective Behavior & Social Science Elective 2	3 1 3 3 3 3
Eight (12 cr.)	EDS 411 Student Teaching Secondary – 1 <sup>st</sup> half EDS 412 Student Teaching Secondary – 2 <sup>nd</sup> half	6 6



## B.S.Ed. EARTH AND SPACE SCIENCE (121 CREDITS) (Pre Fall 2021+)

<b>Name:</b>	<b>Date Major Declared:</b>	<b>Planned Grad Date:</b>			
CORE or Pearson PAPA Modules 1- Reading, 2-Math, 3-Writing (Sophomore Year, Required for Formal Admission):					
Formal Admission to Teacher Education Program (FATE) req. Pearson PAPA tests, 48+ credits of study & 2.8+ GPA; date:					
Praxis 20571-Earth Science Content Knowledge Test (Must take prior to student teaching, and earn passing score to graduate):					
	<b>CREDITS</b>	<b>COURSE</b>	<b>SEMESTER</b>	<b>GRADE</b>	<b>REP/W**</b>
<b>GENERAL EDUCATION REQUIREMENTS (22 CREDITS) (See approved list)</b>					
<b>First Year Experience (FYE)</b>	4				
<b>WRT 120 or 123</b>	3				
<b>WRT 200, or 204, or 205, or 206, or 208, or 220</b>	3				
<b>DIVERSE COMMUNITIES "J" (SCE/SCB 350 or LAN/ENG 382)</b>	<b>FULFILLED BY SCE/SCB 350 or LAN/ENG 382 BELOW</b>				
<b>INTERDISCIPLINARY "I" (ESS/SCB/ENV 102 or SCB 210)</b>	<b>FULFILLED BY ESS/SCB/ENV 102 or SCB 210 BELOW</b>				
<b>BEHAVIOR &amp; SOCIAL SCI. (6 CREDITS FROM TWO AREAS: ANT SOC PSY ECO GEO PSC)</b>	3				
	3				
<b>HUMANITIES (A LIT/CLS COURSE AND HIS 444)</b>	3	LIT/CLS			
	<b>FULFILLED BY HIS 444 BELOW</b>				
<b>ARTS</b>	3				
<b>Ethics "E" Course</b>	3	PHI 180			
<b>Speaking "S" Course</b>	<b>FULFILLED BY SCB/SCE 350 BELOW</b>				
	<b>FULFILLED BY EDS 411 BELOW</b>				
	<b>FULFILLED BY EDS 412 BELOW</b>				
<b>Writing "W" Course</b>	<b>FULFILLED BY EDS 306 BELOW</b>				
	<b>FULFILLED BY ESS 201 BELOW</b>				
	<b>FULFILLED BY ESS 204 BELOW</b>				
<b>Capstone</b>	<b>FULFILLED BY EDS 411/412 BELOW</b>				
<b>EDUCATION REQUIREMENTS (36 CREDITS)</b>					
<b>EDA 103</b> — Foundations of Special Education	3				
<b>EDP 250</b> — Educational Psychology (Level 1 Field)	3				
<b>HIS 444</b> – History of American Education (GE Humanities)	3				
<b>EDA 304</b> — Special Education for Secondary Educators FATE (Level 2 Field)	3				
<b>EDR 347</b> — Literacy Development & Sec. Students w/Disabilities	3				
<b>LAN/ENG 382</b> — ELL Strategies for Content Area Teachers	3				
<b>SED 306</b> — Pr. Tch & Field Exp. Secondary School (W) FATE (Level 3 Field)	3				
<b>SED 350</b> — Sci Ed Secondary School (W, J, S) FATE (Level 3 Field)	3				
<b>SED 411</b> — Student Teaching (S) (Level 4 Field)	6				
<b>SED 412</b> — Student Teaching (S) (Level 4 Field)	6				
<b>MATH (6 CREDITS)</b>					
<b>MAT 115</b> — Algebra & Trigonometry or <b>MAT 131</b> —Pre-	3				
<b>MAT 121</b> — Statistics I	3				
<b>SCIENCE COGNATES (11 CREDITS)</b>					
<b>BIO 110</b> — General Biology	3				
<b>CHE 103</b> — General Chemistry I	3				
<b>CRL 103</b> — Experimental General Chemistry I	1				
<b>PHY 130</b> — General Physics I or <b>PHY 170</b> —Physics I	4				

<b>CORE REQUIREMENTS (30 CREDITS) – AND WHEN OFFERED</b>					
<b>ESS 101</b> — Introduction to Geology – both semesters	3				
<b>ESS 201</b> — Field Geology (W) – both semesters	3				
<b>ESS 204</b> — Historical Geology (W) – both semesters	3				
<b>ESS 301</b> — Environmental Geochemistry – both semesters	3				
<b>ESS 302</b> — Mineralogy – fall	3				
<b>ESS 331</b> — Paleontology (W) – both semesters	3				
<b>ESS 343</b> — Geomorphology – both semesters	3				
<b>ESS 405</b> — Igneous and Metamorphic Petrology – spring	3				
<b>ESS 420</b> — Structural Geology – spring	3				
<b>ESS 450</b> — Sedimentology and Stratigraphy – fall	3				
<b>ADDITIONAL REQUIREMENTS (13 CREDITS)</b>					
<b>ESS/SCB/ENV 102</b> – Humans and the Environment or <b>SCB 310</b>	3				
<b>ESS 311</b> — Introduction to Astronomy – fall	3				
<b>ESS 330</b> — Introduction to Oceanography – both semesters	3				
<b>ESS 347</b> — Seminar – fall	1				
<b>ESS 370</b> — Introduction to Meteorology – fall	3				

**The PDE requires applicants teaching certification to have a minimum GPA of 3.0 at graduation.**

- “I” course cannot be applied as a distributive requirement (Science, Humanities, or Behavioral & Social Science)

Advising Comments:

## BSEd Earth & Space Science

### Suggested Course Sequence

\*Field Course – Clearances Required

#### Semester 1

ESS 101	Intro to Geology	3	
FYE	First-Year Exp.	4	
WRT 120	Composition	3	
MAT 115 or MAT 121	Alg./Trig Or Statistics	3	
PHI 180	Gen Ed Ethics	3	
		16	

#### Semester 2

ESS 102 or SCB 210		3	
MAT 121 or MAT 115	Alg./Trig Or Statistics	3	
HIS 444	History of Ameri. Education	3	
WRT 2XX	Research Writing	3	
EDP 250*	Educational Psychology	3	
		15	

#### Semester 3

ESS 201	Field Geology	3	
ESS 204	Historical Geology	3	
ESS 311	Introduction to Astronomy	3	
CHE 103	Chemistry I	3	
CRL 103	Chemistry I LAB	1	
ESS 330	Intro to Oceanography	3	
		16	

#### Semester 4

ESS 301	Environmental Geochemistry	3	
BIO 110	General Biology	3	
EDR 347	Lit. Dev. & Sec. Students w/Disabilities	3	
	Gen Ed Humanities	3	
ESS 343	Geomorphology	3	
EDA 103	Found. Of Spec. Ed	3	
		18	

Apply for Candidacy at end of Semester 4

#### Semester 5

ESS 302	Mineralogy	3	
ESS 347	Seminar	1	
EDA 304*	Special Ed. For Secondary Educators	3	
LAN 382	ELL Teaching	3	
PHY 130	General Physics I	4	
ESS 370	Meteorology	3	
		17	

#### Semester 6

	Gen Ed Art	3	
ESS 331	Paleontology	3	
ESS 420	Structural Geology	3	
ESS 405	Petrology	3	
SED 306	Princ. Of Teaching and Learning	3	
		15	

#### Semester 7

	Gen Ed Behavioral & Social Science	3	
SED 350*	Sci. Ed in Secondary Schools	3	
	Gen Ed Behavioral & Social Science	3	
ESS 450	Sed/Strat	3	
ESS 311	Astronomy	3	
		15	

#### Semester 8

SED 411 & 412*	Student Teaching	12	
		12	

**B.S.Ed. Earth and Space Science (127 Credits) Fall 2021 +**

Name	ID#	Grad Date:			
Basic Skills Requirement for Candidacy					
Candidacy req: 48 credits, 3 comp, 3 lit, 6 math, 2.8 GPA, Basic Skills Testing					
Praxis II – Earth and Space Science Content Test (take before student teaching, pass for certification)					
	CREDIT S	COURSE	SEMESTER	GRADE	REP/W**
<b>GENERAL EDUCATION REQUIREMENTS (61 less 36 Attributed to Major Requirements = 25 credits)</b>					
First Year Experience	4				
WRT 120 Effective Writing	3				
WRT 200, or 204, 205, 206, 207, 208 Critical Writing	3				
Math	-	MAT 121			
Diverse Communities (J)	-	ENG 382			
Interdisciplinary (I)	-	EDF 300			
Ethics Course (E)	-	ERM 355			
Science (6 credits from two areas: CHEM, BIO, ESS, PHY, CSC)	-	BIO 110			
	-	CHE 103			
Behavior & Social Science (6 credits from two areas: ANT, SOC, PSY, ECO, GEO PSC)	3				
	3				
Humanities (must take a LIT course)	3	LIT ( <i>REQ for Candidacy</i> )			
	3				
Art	3				
Speaking Emphasis Courses (s)		SED 200			
		EDS 411			
		EDS 412			
Writing Emphasis Courses (w)		LIT 165			
		SED 300			
		ESS 201			
Capstone		SED 411			
		SED 412			
<b>EDUCATION CORE REQUIREMENTS (29 credits)</b>					
EDF 300 Democracy and Education “I”	3				
EDP 280 — Developmental and Psychological Perspectives in Education	3				
EDA 103 — Foundations of Special Education	3				
EDA 303 — Special Education for Secondary Educators	2				
EDR 347 — Literacy Development & Sec Students w/Disabilities	3				
LAN/ENG 382 — ELL Strategies for Content Area Teachers	3				
ERM 355 Ethical and Effective Assessment for Learning 7 – 12 “E”	3				
SED 100 An Exploration of Secondary Education	3				
SED 200 Learning Environments & Field Experience in Secondary Schools. “S”	3				
SED 300 Principles of Teaching and Technology in Secondary Education “W”	3				
<b>SCIENCE EDUCATION REQUIREMENTS (3 credits)</b>					

SED 360 Science Education in the Secondary Schools	3				
<b>EARTH &amp; SPACE SCIENCE COURSES - CORE (40 CREDITS)</b>					
ESS 101 Introduction to Geology	3				
ESS 201 Field Geology "W"	3				
ESS 204 Historical Geology "W"	3				
ESS 301 Environmental Geochemistry	3				
ESS 302 Mineralogy	3				
ESS 343 Geomorphology	3				
ESS 405 Igneous and Metamorphic Petrology	3				
ESS 349 Hydrogeology	3				
ESS 450 Sedimentology and Stratigraphy	3				
ESS/SCB/ENV 102 Humans and the Environment	3				
ESS 311 Introduction to Astronomy	3				
ESS 330 Introduction to Oceanography	3				
ESS 347 Seminar	1				
ESS 370 Introduction to Meteorology	3				
<b>COGNATE REQUIREMENTS (18 CREDITS)</b>					
MAT 115 Algebra & trigonometry or MAT 131 Pre-Calculus	3				
MAT 121 Statistics I	3				
BIO 110 General Biology I	4				
CHE 103 General Chemistry I	3				
CRL 103 EXP General Chemistry I	1				
PHY 130 General Physics I or PHY 170 Physics I	4				
<b>CAPSTONE EXPERIENCE (12 CREDITS)</b>					
*SED 411 — Student Teaching Stage IV Fields: Clearances Needed	6				
*SED 412 — Student Teaching Stage IV Fields: Clearances Needed	6				
<b>TOTAL</b>	<b>127</b>				

Semester	Suggested Courses	Credits
Year 1		
One (16 cr.)	ESS 101 Introduction to Geology	3
	MAT 115 Algebra, Functions, and Trigonometry OR MAT 121 Introduction to Statistics I	3
	WRT 120 Effective Writing I	3
	Behavioral & Social Science Gen Ed	3
	FYE 100X First Year Experience	4
Two (15 cr.)	ESS 102 Humans and the Environment OR SCB 102 The Origin of Life and the Universe	3
	MAT 115 Algebra, Functions, and Trigonometry OR MAT 121 Introduction to Statistics I	3
	WRT 2XX 200-level Writing Course	3
	SED 100 Exploration of Secondary Education	3
	EDP 280 Educational Psychology	3
Year 2		
Three (16 cr.)	ESS 201 Field Geology	3
	ESS 204 Historical Geology	3
	CHE 103 General Chemistry I	3
	CRL 103 General Chemistry I Lab	1
	EDA 103 Foundations of Special Education	3
Four (17 cr.)	EDF 300 Democracy & Education	3
	ESS 330 Introduction to Oceanography	3
	ESS 301 Environmental Geochemistry	3
	ESS 343 Geomorphology	3
	SED 200 Learning Environments & Field Experience in Secondary Schools. "S"	3
Year 3	EDA 303 Special Education for Secondary Educators	2
	Humanities Gen Education (LIT COURSE)	3
	ESS 302 Mineralogy	3
	ESS 311 Introduction to Astronomy	3
	ESS 347 Earth & Space Science Seminar	1
Five (17 cr.)	PHY 130 General Physics I	4
	LAN/ENG 382 ELL Strategies for Content Area Teachers	3
	Behavioral & Social Science Gen Ed 2	3
	ESS 405 Igneous and Metamorphic Petrology	3
	ESS 439 Hydrogeology	3
Six (16 cr.)	BIO 110 General Biology I	4
	SED 300 Principles of Teaching and Technology in Secondary	3
	Education "W"	3
	ERM 355 Ethical & Effective Assessment for K-12 Learning	3
Year 4		
Seven (18 cr.)	ESS 370 Introduction to Meteorology	3
	ESS 450 Sedimentation & Stratigraphy	3
	SED 360 Science Education in the Secondary School	3
	EDR 347 Literacy Development and Secondary Students with	3
	Disabilities in Inclusive Classrooms	3
Eight (12 cr.)	Arts Gen Ed.	3
	Humanities Gen Education	3
	EDS 411 Student Teaching Secondary – 1 <sup>st</sup> half	6
	EDS 412 Student Teaching Secondary – 2 <sup>nd</sup> half	6



**B.S.Ed. Physics (122 Credits) (Pre Fall 2021+)**

<b>Name:</b>	<b>Date Major Declared:</b>	<b>Planned Grad Date:</b>			
CORE or Pearson PAPA Modules 1- Reading, 2-Math, 3-Writing (Sophomore Year, Required for Formal Admission):					
Formal Admission to Teacher Education Program (FATE) req. Pearson PAPA tests, 48+ credits of study & 2.8+ GPA; date:					
Praxis 20571-Earth Science Content Knowledge Test (Must take prior to student teaching, and earn passing score to graduate):					
	<b>CREDITS</b>	<b>COURSE</b>	<b>SEMESTER</b>	<b>GRADE</b>	<b>REP/W**</b>
<b>GENERAL EDUCATION REQUIREMENTS (See approved list)</b>					
FIRST YEAR EXPERIENCE	4				
WRT 120 or 123	3				
WRT 200, or 204, or 205, or 206, or 208, or 220	3				
MATH	-	MAT 161			
<b>DIVERSE COMMUNITIES "J"</b> (SCE 350 OR LAN 382)	-	ENG 382			
<b>INTERDISCIPLINARY "I"</b> (require ESS/SCB/ENV 102, or SCB 210)	-	EDF 300			
<b>SCIENCE</b> (6 CREDITS FROM TWO AREAS: CHEM, BIO, ESS, PHYSICS)	-	BIO __			
	-	CHEM 103			
<b>BEHAVIOR &amp; SOCIAL SCI.</b> (6 CREDITS FROM TWO AREAS: ANT SOC PSY ECO GEO PSC)	3				
	3				
<b>HUMANITIES</b> (A LIT COURSE, HIST, PHI)	3	PHI 180			
	3				
<b>ARTS</b>	3				
<b>Ethics "E" Course</b>	-	PHI 180			
<b>Speaking "S" COURSE</b>	-	SCB/E 350			
	-	EDS 411			
	-	EDS 412			
<b>WRITING EMPHISIS "W" COURSE</b>	-	PHY 310			
	-	PHY 320			
	-	EDS 306			
<b>CAPSTONE</b>	-	EDS 411/412			
<b>EDUCATION REQUIREMENTS</b>					
EDA 103 — Foundations of Special Education	3				



EDP 250 — Educational Psychology (Level 1 Field)	3				
EDF 300 Democracy & Education	3				
EDA 304 — Special Education for Secondary Educators FATE (Level 2 Field)	3				
EDR 347 — Literacy Development & Sec Students w/Disabilities in Inclusive Classrooms	3				
LAN/ENG 382 — ELL Strategies for Content Area Teachers	3				
EDS 306 — Pr. Tch & Field Exp. Secondary School (W) FATE (Level 3 Field)	3				
SCB/SCE 350 — Sci Ed Secondary School (W, J) FATE (Level 3 Field)	3				
EDS 411/412 — Student Teaching (Level 4 Field)	12				
<b>Supporting Courses MATHEMATICS (18 CREDITS)</b>					
MAT 161 – Calculus I	4				
MAT 162 Calculus II Prerequisite: MAT 161	4				
MAT 261 Calculus III Prerequisite: MAT 162	4				
MAT 311 Linear Algebra Prerequisite: MAT 162	3				
MAT 343 Differential Equations Prerequisite MAT 162 Or PHY 370 Mathematical Physics Prerequisite: PHY 180, MAT 261	3				
<b>SUPPORTING COURSES IN THE SCIENCES (14 CREDITS)</b>					
CHE Chemistry 103 I	3				
CRL 103 Chemistry I Lab	1				
CHE 104 Chemistry II Prerequisite: CHE 103	3				
CRL 104 Chemistry II Lab Prerequisite: CHE 103	1				

PHY 105 Structure of the Universe Or ESS 111 General Astronomy	3				
Biology Elective	3				
<b>CORE REQUIREMENTS (29 CREDITS) -</b>					
PHY 170 Physics I Prerequisite MAT 161	4				
Or PHY 175 Computational Physics Prerequisites: MAT 161, MAT 162, PHY 170 Co-requisites: MAT 261, Mat 311, PHY 180	3				
PHY 180 Physics II Prerequisite: PHY 170, co-requisite: MAT 162	4				
PHY 240 Modern Physics Prerequisites: PHY 180, MAT 162	3				
PHY 300 Mechanics Prerequisites: PHY 180, MAT 162	3				
PHY 310 Intermediate Lab I Prerequisite: PHY 240	3				
PHY 320 Intermediate Lab II Prerequisite PHY 310	3				
PHY 330 Electronics Prerequisite: PHY 180, MAT 161	3				
PHY 410 Optics Prerequisite: PHY 180, Co-Requisite MAT 262 Or PHY 430 Electricity & magnetism Prerequisite: PHY 300, MAT 343 or PHY 370	3				

The PDE requires applicants teaching certification to have a minimum GPA of 3.0 at graduation. **\*\*3 classes above must be "W" emphasis.**

**"I" course cannot be applied as a distributive requirement (Science, Humanities, or Behavioral & Social Science)**

Advising Comments

## BSEd Physics

### Suggested Course Sequence

\*Field Course – Clearances Required

#### Semester 1

PHY 105	Structure of the Universe	3	
MAT 161	Calculus I	4	
WRT 120	English Composition	3	
FYE	First-Year Seminar	4	
	Humanities or "E" Course	3	
		17	

#### Semester 2

PHY 170	Physics I	4	
MAT 162	Calculus II	4	
WRT 200	English Composition	3	
LIT 165	Humanities	3	
	ARTS	3	
		17	

#### Semester 3

PHY 180	Physics I	4	
MAT 261	Calculus III	4	
MAT 311	Linear Algebra	3	
EDP 250	Ed. Psych*	3	
	Behavioral & Social Sciences	3	
		17	

#### Semester 4

PHY 175	Computational Physics	3	
PHY 240	Intro. To Modern Physics	3	
MAT 343	Differential Equations	3	
EDA 103	Special Ed I *	3	
EDF 300	Democracy & Education	3	
		15	

Apply for Candidacy at end of Semester 4

#### Semester 5

PHY 300	Mechanics	3	
PHY 310	Inter. Physics Lab I	3	
CHE 103	Chemistry I	3	
CRL 103	Chemistry I Lab	1	
EDA 304	Special Ed II *	3	
EDR 347	Literacy Development	3	
		16	

#### Semester 6

PHY 320	Inter. Physics Lab II	3	
CHE104	Chemistry II	3	
CRL 104	Chemistry II Lab	1	
LAN 382	Teaching ELL	3	
SED 306	Principles of Teaching *	3	
BIO	Biology Elective	3	
		16	

#### Semester 7

PHY 300	Electronics	3	
PHY 410	Optics	3	
SED 350	Science Education *	3	
	Behavioral & Social Sciences	3	
	Humanities	3	
		15	

#### Semester 8

SED 411& 412	Student Teaching *	12	
		12	

**B.S.Ed. Physics (129 credits) Fall 2021 +**

Name:	ID#	Grad Date:	
Basic Skills Requirement for Candidacy			
Candidacy req: 48 credits, 3 lit, 3 comp, 6 math, 2.8 GPA, Basic Skills Testing			
Praxis II – Physics Content Test (take before student teaching, pass for certification)			
	CREDIT S	COURSE	SEMESTER GRADE REP/W**
GENERAL EDUCATION REQUIREMENTS (61 less 36 Attributed to Major Requirements = 25 credits)			
First Year Experience	4		
WRT 120 Effective Writing	3		
WRT 200, or 204, 205, 206, 207, 208 Critical Writing	3		
Math	-	MAT 161	
Diverse Communities (I)	-	ENG 382	
Interdisciplinary (I)	-	EDF 300	
Ethics Course (E)	-	ERM 355	
Science (6 credits from two areas: CHEM, BIO, ESS, PHY, CSC)	-	Bio Elec	
	-	CHE 103	
Behavior & Social Science (6 credits from two areas: ANT, SOC, PSY, ECO, GEO PSC)	3		
	3		
Humanities (must take a LIT course)	3	LIT (REQ for Candidacy)	
	3		
Art	3		
Speaking Emphasis Courses (S)		SED 200	
		SED 411	
		SED 412	
Writing Emphasis Courses (W)		SED 300	
		PHY 310	
		PHY 320	
CAPSTONE	-	SED 411/412	
EDUCATION CORE REQUIREMENTS (29 credits)			
EDF 300 Democracy in Education	3		
EDP 280 Dev. And Psychological Perspectives in Education	3		
EDA 103 Foundations in Special Education	3		
EDA 303 Special Education for Secondary Educators	2		
LAN/ENG 382 ELL Strategies for Content Area Teachers	3		
EDR 347 Lit. Development and Students with Disabilities	3		
ERM 355 Ethical and Effective Assessment for 7-12 Learning	3		
SED 100 An Exploration of Secondary Education	3		
SED 200 Learning Environments & Field Experience in Secondary Schools. "S"	3		
SED 300 Principles of Teaching and Technology in Secondary Education "W"	3		

SCIENCE EDUCATION REQUIREMENTS (3 credits)					
SED 360 Science Education in the Secondary Schools	3				
PHYSICS COURSES - CORE (29 CREDITS)					
PHY 170 Physics I	4				
PHY 175 Computational Physics	3				
PHY 180 Physics II	4				
PHY 240 Introduction to Modern Physics	3				
PHY 300 Mechanics	3				
PHY 310 Intermediate Physics Lab I "W"	3				
PHY 320 Intermediate Physics Lab II "W"	3				
PHY 330 Electronics	3				
PHY 410 Optics or PHY 430 electricity and Magnetism	3				
COGNATE REQUIREMENTS (29 CREDITS)					
MAT 161 Calculus I	4				
MAT 162 Calculus II	4				
MAT 261 Calculus III	4				
MAT 315 Differential Equations and Linear Algebra	3				
CHE 103 General Chemistry I	3				
CRL 103 EXP General Chemistry	1				
CHE 104 General Chemistry II	3				
CRL 104 EXP General Chemistry II	1				
PHY 105 Structure of the Universe or ESS 311 General Astronomy	3				
Biology Elective	3				
CAPSTONE EXPERIENCE (12 CREDITS)					
*SED 411 — Student Teaching Stage IV Fields: Clearances Needed	6				
*SED 412 — Student Teaching Stage IV Fields: Clearances Needed	6				
TOTAL	127				

Semester	Suggested Courses	Credits
Year 1		
One (17 cr.)	PHY 105 Structure of the Universe	3
	MAT 161 Calculus I	4
	WRT 120 Effective Writing I	3
	FYE 100X First Year Experience	4
	Humanities General Education	3
Two (17 cr.)	PHY 170 Physics I	4
	MAT 162 Calculus II	4
	SED 100 Exploration of Secondary Education	3
	EDP 280 Educational Psychology	3
	WRT 200 Critical Writing and Research	3
Year 2		
Three (17 cr.)	PHY 180 Physics II	4
	MAT 261 Calculus III	4
	EDA 103 Foundations of Special Education	3
	EDF 300 Democracy & Education	3
	LIT 165 Topics in Literature	3
Four (15 cr.)	PHY 175 Computational Physics	3
	PHY 240 Introduction to Modern Physics	3
	MAT 315 Differential Equations and Linear Algebra	3
	SED 200 Learning Environments & Field Experience in Secondary Schools. "S"	3
	EDA 303 Special Education for Secondary Educators	3
	Behavioral & Social Science Elective	
Year 3		
Five (16 cr.)	PHY 300 Mechanics	3
	PHY 310 Intermediate Physics Lab I	3
	CHE 103 General Chemistry I	3
	CHE 103L General Chemistry I Lab	1
	LAN/ENG 382 ELL Strategies for Content Area Teachers	3
	EDR 347 Lit. Development & Sec. Students with Disabilities	3
Six (16 cr.)	PHY 320 Intermediate Physics Lab II	3
	PHY 330 Electronics	3
	CHE 103 General Chemistry II	3
	CHE 103L General Chemistry II Lab	1
	SED 300 Principles of Teaching and Technology in Secondary Education "W"	3
	ERM 355 Ethical and Effective Assessment for 7-12 Learning	3
Year 4		
Seven (16 cr.)	PHY 410 Optics	3
	BIO 110 General Biology I	4
	SED 360 Science Education in the Secondary Schools	3
	Behavioral & Social Science Elective	3
	Arts General Education Elective	3
Eight (12 cr.)	EDS 411 Student Teaching Secondary – 1 <sup>st</sup> half	6
	EDS 412 Student Teaching Secondary – 2 <sup>nd</sup> half	6

## **HISTORY B.A. with Social Studies certificate**

### **Advising Sheet: Beginning Fall 2020 [YELLOW]**

**Name:** \_\_\_\_\_

**Student ID**\_\_\_\_\_

#### **Required:**

1. 130+ credits total.
2. 2.0 grade point average within the major.
3. At least 50% of credits in major fulfilled at WCU.
4. At least 30.0 of the final 60.0 credits earned at WCU.

#### **General education:**

Courses approved to fulfill all general education requirements (Transfer students exempt from FYE, First Year Experience):

<https://catalog.wcupa.edu/undergraduate/general-education-requirements/approved-gen-ed-course-list/>

**FYE** 4.0 credits    Course\_\_\_\_\_    Grade\_\_\_\_\_    Semester\_\_\_\_\_

### **ACADEMIC FOUNDATION (12.0-18.0 credits):**

**English Composition:** “Students must earn 3 credits at the Writing 200 level to fulfill the English composition general education requirement. These 3 credits can be completed via WCU coursework or via earned transfer credit. Students may need to complete prerequisite coursework prior to enrollment into a Writing 200-level course.

WCU is piloting a student-guided self-placement survey to determine the appropriate course sequence for our English Composition requirement. More information about the self-placement survey (the WRITE Survey) can be found below under English Placement. In order to fulfill the requirement, students must complete one of the following course sequences or transfer in credits that fulfill the requirement:”

#### **Sequence A:**

Semester 1: WRT 123 (4 credits)                      Grade\_\_\_\_\_ Semester\_\_\_\_\_

Semester 2: 200-level WRT course (3 credits)    Grade\_\_\_\_\_ Semester\_\_\_\_\_

**Sequence B:**

Semester 1: WRT 120 (3 credits)                      Grade\_\_\_\_\_ Semester\_\_\_\_\_

Semester 2: 200-level WRT course (3 credits)    Grade\_\_\_\_\_ Semester\_\_\_\_\_

**Sequence C:**

200-level WRT course (3 credits) Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

(The WCU WRITE survey may, in exceptional circumstances, place students into the Advanced sequence if their WRITE survey scores are particularly high and if they have a minimum GPA of 3.8 and a Reading/Writing SAT of 620 or ACT English score of 28.)

**Math:**            6.0 credits (MAT 103 and greater)

1. Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

2. Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

**GENERAL EDUCATION DISTRIBUTIVE REQUIREMENTS (21.0 credits):**

Please note that only courses listed on the [“Approved General Education Course List”](https://catalog.wcupa.edu/undergraduate/general-education-requirements/approved-gen-ed-course-list/) may be used to meet General Education requirements.

<https://catalog.wcupa.edu/undergraduate/general-education-requirements/approved-gen-ed-course-list/>

**Humanities:** 6.0 credits – Note that HIS courses cannot be used for the Distributive requirement in humanities. Also note that the application for teacher-candidacy requirements include choosing a LIT/CLS course for one of the two humanities options

1. LIT/CLS Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

2. Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

**Science:**    6.0 credits

1. Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

2. Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

**Arts** 3.0 credits

Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_



**Soc. Sci.** 6.0 credits

Course PSC 100 Grade \_\_\_\_\_ Semester \_\_\_\_\_

Course PSY 100 Grade \_\_\_\_\_ Semester \_\_\_\_\_

**Speaking emphasis “S”:** 9 credits

Course: SPK 208 Grade \_\_\_\_\_ Semester \_\_\_\_\_

Course \_\_\_\_\_ Grade \_\_\_\_\_ Semester \_\_\_\_\_

Course \_\_\_\_\_ Grade \_\_\_\_\_ Semester \_\_\_\_\_

**Ethics “E”:** 3.0 credits: EDP 355 is a required course in History B.A. with Social Studies Certification and will meet the Ethics requirement.

EDP 355: Grade \_\_\_\_\_ Semester \_\_\_\_\_

**Diversity “J”:** 3.0 credits: ENG/LAN 382 is a required course in History B.A. with Social Studies Certification and will meet the Diversity requirement.

ENG/LAN 382 Grade \_\_\_\_\_ Semester \_\_\_\_\_

**Writing emphasis “W”:** 9 credits: HIS 300, HIS 400, and SSC 331 are required courses in History B.A. with Social Studies Certification and will meet the Writing Emphasis requirement.

**Interdisciplinary “I”:** 3.0 credits

Course \_\_\_\_\_ Grade \_\_\_\_\_ Semester \_\_\_\_\_

**ADDITIONAL BACCALAUREATE REQUIREMENTS:**

**For. Lang:** 0-12.0 credits (Determined by Language Placement exam.)

1. Course \_\_\_\_\_ Grade \_\_\_\_\_ Semester \_\_\_\_\_

2. Course \_\_\_\_\_ Grade \_\_\_\_\_ Semester \_\_\_\_\_

3. Course \_\_\_\_\_ Grade \_\_\_\_\_ Semester \_\_\_\_\_

4. Course \_\_\_\_\_ Grade \_\_\_\_\_ Semester \_\_\_\_\_

## HISTORY MAJOR REQUIREMENTS (39.0 credits, including HIS 300 & HIS 400)

### Lower-Level Core:

**One of:** HIS 100, 101, 102

Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

**One of:** HIS 150, 151, 152

Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

**Any other two** 100 or 200-level HIS courses approved by the History Department. ***Check with advisor and with website for the current list.*** At time of printing, HIS 100, 101, 102, 150, 151, 152, 215

1. Course\_\_\_\_\_ Gr.\_\_\_\_ Sem.\_\_\_\_\_      2. Course\_\_\_\_\_ Gr.\_\_\_\_ Sem. \_\_\_\_\_

**HIS 300** Grade\_\_\_\_\_ Semester\_\_\_\_\_

**Upper level courses:** 21 credits (300 and 400 level. World, U.S. and Europe – 3 courses in one area, 2 in each of the others). **HIS 444 – History of American Education is required, and** counts toward upper level U.S. area.

### Primary area:

Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

### Secondary area:

Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

Course \_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

Tertiary area:

Course\_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

Course \_\_\_\_\_ Grade\_\_\_\_\_ Semester\_\_\_\_\_

**HIS4** Grade\_\_\_\_\_Semester\_\_\_\_\_

**Cognates: 9.0 credits These courses are in addition to those taken to fulfill general education requirements).**

Course: GEO 101 or 103 Grade\_\_\_\_\_ Semester\_\_\_\_\_

Course: ANT 102 or Soc 100 Grade\_\_\_\_\_ Semester\_\_\_\_\_

Course: ECON 111 or 112 Grade\_\_\_\_\_ Semester\_\_\_\_\_

## CORE EDUCATION COURSES

The secondary social studies teacher certification program requires 37 credits in education. **The following courses must be passed with a grade of “C” or higher (NOT “C-”):** EDP 250, EDA 103, EDA 304, EDP 355, EDR 347, EDM 349, LAN/ENG 382, EDS 306, and SSC 331.

Course #	Title (credits)	grade	semester
EDP 250 #	Educational Psychology (3)	_____	_____
EDA 103	Foundations of Special Education (3)	_____	_____
EDR 347	Literacy Dev. & 2ndary Students in Inclusive Classrooms (3)	_____	_____
EDM 355#	Assessment for Learning, 7-12 (3)	_____	_____
LAN/ENG 382	Teaching English Language Learners (3)	_____	_____
EDA 304#	Processes and Procedures for General Educators (3)	_____	_____
EDT 349*	Educational Technology (1)	_____	_____
SED 306*#	Field Experience (General Methods) (3)	_____	_____

(SED 306 is a prerequisite for SED 331 and may *NOT* be taken concurrently.)

(Students MUST register for and attend the Clinical Experience office’s Student Teaching Registration Session TWO SEMESTERS prior to student teaching. That typically means doing so in the semester students take EDS 306. Students will be notified by email.)

SED 331\*# Methods of Teaching Social Studies (3) \_\_\_\_\_  
 (SSC 331 is a prerequisite for student-teaching and should be taken in the semester prior to student-teaching.)

SED 411/412\*# Student-Teaching (12) \_\_\_\_\_ and \_\_\_\_\_  
 (Students must have taken PRAXIS II **prior to their student-teaching experiences. No other courses may be taken while student-teaching.**)

\*Applying for and meeting the “teacher candidacy” milestone (previously, “Formal Admission to Teacher Education” is required *prior* to taking these courses.

# Course includes a Field Experience component for which students will need to have the relevant clearances, listed on the next page

## ADDITIONAL REQUIREMENTS FOR SELECTED EDUCATION COURSES, TEACHER-CERTIFICATION, STUDENT TEACHING, AND CERTIFICATION

**For Education Courses Requiring Field Experiences/Observations in Public Schools,** you will need to obtain:

1. PA Criminal Background Check
2. PA Child Abuse Clearance
3. FBI Criminal Background Check
4. Tuberculosis Test

These clearances will need to be on file with the Office of Clinical Experiences, 125 West Rosedale Ave., Suite 107, Wayne Hall <https://www.wcupa.edu/education-socialwork/clearances.aspx>

To obtain Teacher Candidacy: <https://www.wcupa.edu/education-socialwork/teacherCandidacy.aspx>

1. Completed at least 48 credits
2. An overall GPA of 2.8 or higher in all courses. Overall GPA\_\_\_\_\_
3. Achieved passing scores on the Reading, Math, and Writing examinations of either PAPA (Pearson's Pre-Service Academic Performance Assessment) or CORE (ETS's Core Academic Skills for Educators Tests), or by testing out with qualifying ACT or SAT scores. Information on passing scores can be found [here https://www.wcupa.edu/education-socialwork/paTests.aspx](https://www.wcupa.edu/education-socialwork/paTests.aspx)

Reading	Date taken _____	Passed _____
Math	Datetaken _____	Passed _____
Writing	Datetaken _____	Passed _____

4. Earned three credits of English Composition\_\_\_\_\_
5. Earned three credits of Literature \_\_\_\_\_
6. Earned six credits of Mathematics \_\_\_\_\_
7. Obtained a recommendation for admission from the Department of History

**For admission to Student-Teaching (EDS 411/412), you must:**

1. Take PRAXIS II (Social Studies Content Knowledge--#10081) and report scores to your advisor. (Date taken:\_\_\_\_\_)

**For PA Certification in Social Studies**, you must complete the required curriculum and . . .

1. Complete both halves of Student-Teaching with grade of “C” or higher (NOT C-);
2. Pass the PRAXIS II (Social Studies Content Knowledge--#10081) (Date passed:  
\_\_\_\_\_)

A passing score is 157, potentially subject to the “Sliding Scale” if a student has a sufficiently high GPA. See the [Sliding Scale chart](https://www.wcupa.edu/education-socialwork/documents/SlideingScaleAsOfMarch272017.pdf) for more detail. <https://www.wcupa.edu/education-socialwork/documents/SlideingScaleAsOfMarch272017.pdf>

3. Attain a GPA of 3.0 or higher upon graduation.

### **A NOTE TO THE STUDENT**

Your teacher-certification program emphasizes content knowledge in the disciplines of **Civics, Economics, Geography, and History**, with secondary attention to Psychology, Sociology, Anthropology, and Religious Studies.

As you take coursework in these disciplines, **you will want to focus on acquiring four sets of intellectual skills that you eventually will be expected to teach** in your classroom. These are the skills of:

- **Developing questions** that lead to productive paths of scholarly inquiry in each particular discipline.
- **Applying the tools and concepts** used in each discipline, in order to explore possible answers to the questions you develop.
- **Evaluating sources and using evidence** appropriate to each discipline, in order to more effectively evaluate your answers to the questions you develop.
- **Communicating your conclusions** in the formats appropriate to each discipline, and using those conclusions to identify ways to **take informed action** as an educated and engaged citizen.

Collectively, those skills create what teachers call the “**Inquiry Arc**” which we

want you to master as a scholar, and then be able to teach to your own students.

These goals should guide you in the selection of courses in your academic major and *all* of your electives, including those under General Education requirements. Consider that as a professional secondary social studies educator, you most likely will be teaching United States History, World History, World Cultures and Religions, Geography, United States Civics and Government, and applied Economics and Consumerism. You could also be teaching a Psychology or Sociology course, too! Where you have a choice between different courses to fulfill your requirements, you will want to select the option that best addresses the content and skills identified here.

Depending on your interests and scheduling needs, your choice of courses may also lead you to a second major or a minor in one of the social studies or education disciplines. A minor in Literacy, or Special Education, or Youth Empowerment and Urban Studies can greatly enhance your teaching credentials. Fluency in a foreign language, especially Spanish, also will improve your employment prospects. Consider American Sign Language as another route to meeting your language requirement in a way that boosts your employability as a teacher. Discuss these important options with your advisor.

## **PROFESSIONAL DISPOSITIONS**

The College of Education and Social Work has developed a set of [professional dispositions and professional requirements](#) that you are expected to demonstrate in all of your interactions with WCU faculty, staff, and students, and that you are expected to model in your life outside of WCU. You want to make sure that you are interacting with the WCU community and conducting yourself in your personal life in ways that inspire confidence that you will be a responsible, thoughtful, compassionate teacher. Failure to do so, at any point in your time at WCU, may result in a faculty or staff person filing a formal report indicating concern with your disposition to the College of Education, which would initiate a review of your conduct and efforts to identify and improve the area of concern.

**B.A. History with Elective Teacher Certification (97 + 56 CREDITS) Fall 2021 +**

<b>Name:</b>	<b>Date Major Declared:</b>		<b>Planned Grad Date:</b>		
Basic Skills Testing Requirement for Candidacy					
Candidacy Req: 48 credits, 3 lit, 3 comp, 6 math, 2.8 GPA, Basic Skills Testing					
Praxis 5081 Social Studies Content Knowledge Test (Must take prior to student teaching, and earn passing score for certification):					
	<b>CREDITS</b>	<b>COURSE</b>	<b>SEMESTER</b>	<b>GRADE</b>	<b>REP/W**</b>
<b>GENERAL EDUCATION REQUIREMENTS (61 less 36 Attributed to Major Requirements = 34 credits)</b>					
FIRST YEAR EXPERIENCE	4				
WRT 120	3				
WRT 200, or 204, or 205, or 206, or 208, or 220	3				
MATH	3				
<b>DIVERSE COMMUNITIES "J"</b>	-	ENG 382			
<b>INTERDISCIPLINARY "I"</b>	-	EDF 300			
<b>SCIENCE</b> (6 CREDITS FROM TWO AREAS: CHEM, BIO, ESS, PHYSICS)	3				
	3				
<b>BEHAVIOR &amp; SOCIAL SCI.</b> (6 CREDITS FROM TWO AREAS: ANT SOC PSY ECO GEO PSC)	3				
	3				
<b>HUMANITIES</b> (A LIT COURSE is required for candidacy)	3	LIT or CLS (REQ for Candidacy)			
	3				
<b>ARTS</b> (ART CINEMATOGRAPHY MUSIC PHOTOGRAPHY THEATRE)	3				
<b>ETHICS "E" COURSE</b>	-	ERM 355			
<b>SPEAKING "S" COURSE</b>	-	SED 200			
	-	SED 411			
	-	SED 412			
<b>WRITING "W" COURSE</b>	-	SED 331			
	-	CLS 165			
<b>CAPSTONE</b>	-	SED 411/412			
<b>LANGUAGE &amp; CULTURE REQUIREMENT (12 credits)</b>					
Option 1: Language Choice 101, 102, 201, 202 4 courses					
Option 2: Language Choice 101, 102, and 3 Culture Cluster Courses (PSC340 recommended if taking Spanish)					
<b>FREE ELECTIVES (9 credits)</b>					
<i>Elective 1</i>	3				
<i>Elective 2</i>	3				
<i>Elective 3</i>	3				
<b>POLITICAL SCIENCE COURSES - CORE (21 CREDITS)</b>					
PSC 100 American Government	3				
PSC 200 Political Analysis	3				
PSC 202 Public Administration	3				
PSC 213 Intro to International Relations	3				
PSC 230 Intro to Political Thought	3				
PSC 240 Comparative Politics	3				
PSC 401 Senior Project OR PSC 357 is not taken in concentration	3				
<b>POLITICAL SCIENCE COURSES – CONCENTRATION COURSES (21 CREDITS)</b>					
Two courses in the Institutional Area: PSC 324, 338, 350, 352, 355, 359, or 371	6				



Two courses in the Behavioral Area: PSC 301, 322, 323, 325, 329, or 353	6				
Two courses in Public Policy: PSC 304, 320, 351, 354, 356, 357, 358, or 370	6				
One additional PSC course at the 300 level or 3 credits of an approved PSC Internship (PSC 412).	3				
<b>EDUCATION CORE REQUIREMENTS (29 credits)</b>					
EDF 300 Democracy and Education "I"	3				
EDP 280 — Developmental and Psychological Perspectives in Education	3				
EDA 103 — Foundations of Special Education	3				
EDA 303 — Special Education for Secondary Educators	2				
EDR 347 — Literacy Development & Sec Students w/Disabilities	3				
LAN/ENG 382 — ELL Strategies for Content Area Teachers	3				
ERM 355 Ethical and Effective Assessment for Learning 7 – 12 "E"	3				
SED 100 An Exploration of Secondary Education	3				
SED 200 Secondary Field Experience. "S"	3				
SED 300 Principles of Teaching and Field Experience "W"	3				
<b>SOCIAL STUDIES EDUCATION REQUIREMENTS (3 credits)</b>					
SED331 Teaching Secondary Social Studies Methods	3				
<b>COGNATE REQUIREMENTS (12 CREDITS)</b>					
HIS 102 History of Civilization II	3				
HIS 152 US History II	3				
Two Additional Courses: ECO 111 or 112; GEO 101 or 103	6				
<b>CAPSTONE EXPERIENCE (12 CREDITS)</b>					
*SED 411 — Student Teaching Stage IV Fields: Clearances Needed	6				
*SED 412 — Student Teaching Stage IV Fields: Clearances Needed	6				
<b>TOTAL</b>					

Milestones in the Teacher Education Program			
Milestone	Completed	Milestone	Completed
Basic Skills Testing		Test of Writing Competency	
Candidacy Admission		Praxis II	
Portfolio		GPA for Certification	

**B.A. Political Science with Elective Teacher Certification (85 + 62 CREDITS)**

Fall 2021 +

<b>Name:</b>	<b>Date Major Declared:</b>		<b>Planned Grad Date:</b>		
Basic Skills Testing Requirement for Candidacy					
Candidacy Req: 48 credits, 3 lit, 3 comp, 6 math, 2.8 GPA, Basic Skills Testing					
Praxis 5081 Social Studies Content Knowledge Test (Must take prior to student teaching, and earn passing score for certification):					
	<b>CREDITS</b>	<b>COURSE</b>	<b>SEMESTER</b>	<b>GRADE</b>	<b>REP/W**</b>
<b>GENERAL EDUCATION REQUIREMENTS (61 less 42 Attributed to Major Requirements = 28 credits)</b>					
FIRST YEAR EXPERIENCE	4				
WRT 120	3				
WRT 200, or 204, or 205, or 206, or 208, or 220	3				
MATH	3				
<b>DIVERSE COMMUNITIES "J"</b>	-	ENG 382			
<b>INTERDISCIPLINARY "I"</b>	-	EDF 300			
<b>SCIENCE</b> (6 CREDITS FROM TWO AREAS: CHEM, BIO, ESS, PHYSICS)	3				
	3				
<b>BEHAVIOR &amp; SOCIAL SCI.</b> (6 CREDITS FROM TWO AREAS: ANT SOC PSY ECO GEO PSC)	-	PSY 100			
	-	SOC 100			
<b>HUMANITIES</b> (A LIT COURSE is required for candidacy)	3	LIT or CLS (REQ for Candidacy)			
	3				
<b>ARTS</b> (ART CINEMATOGRAPHY MUSIC PHOTOGRAPHY THEATRE)	3				
<b>ETHICS "E" COURSE</b>	-	ERM 355			
<b>SPEAKING "S" COURSE</b>	-	SED 200			
	-	SED 411			
	-	SED 412			
<b>WRITING "W" COURSE</b>	-	SED 331			
	-	CLS 165			
<b>CAPSTONE</b>	-	SED 411/412			
<b>LANGUAGE &amp; CULTURE REQUIREMENT (12 credits)</b>					
Option 1: Language Choice 101, 102, 201, 202 4 courses					
Option 2: Language Choice 101, 102, and 3 Culture Cluster Courses (PSC340 recommended if taking Spanish)					
<b>FREE ELECTIVES (3 credits)</b>					
<i>Elective 1 - Mathematics Course (PDE Requirement)</i>	3				
<i>Elective 2 - HIS 102 History of Civilization II</i>	-				
<i>Elective 3 - HIS 152 US History II</i>	-				
<b>POLITICAL SCIENCE COURSES - CORE (21 CREDITS)</b>					
PSC 100 American Government	3				
PSC 200 Political Analysis	3				
PSC 202 Public Administration	3				
PSC 213 Intro to International Relations	3				
PSC 230 Intro to Political Thought	3				
PSC 240 Comparative Politics	3				
PSC 401 Senior Project OR PSC 357 if not taken in concentration	3				
<b>POLITICAL SCIENCE COURSES – CONCENTRATION COURSES (21 CREDITS)</b>					
Two courses in the Institutional Area: PSC 324, 338, 350, 352, 355, 359, or 371	6				

Two courses in the Behavioral Area: PSC 301, 322, 323, 325, 329, or 353	6				
Two courses in Public Policy: PSC 304, 320, 351, 354, 356, 357, 358, or 370	6				
One additional PSC course at the 300 level or 3 credits of an approved PSC Internship (PSC 412).	3				
<b>EDUCATION CORE REQUIREMENTS (29 credits)</b>					
EDF 300 Democracy and Education "I"	3				
EDP 280 — Developmental and Psychological Perspectives in Education	3				
EDA 103 — Foundations of Special Education	3				
EDA 303 — Special Education for Secondary Educators	2				
EDR 347 — Literacy Development & Sec Students w/Disabilities	3				
LAN/ENG 382 — ELL Strategies for Content Area Teachers "J"	3				
ERM 355 Ethical and Effective Assessment for Learning 7 – 12 "E"	3				
SED 100 An Exploration of Secondary Education	3				
SED 200 Secondary Field Experience. "S"	3				
SED 300 Principles of Teaching and Field Experience "W"	3				
<b>SOCIAL STUDIES EDUCATION REQUIREMENTS (3 credits)</b>					
SED 331 Teaching Secondary Social Studies Methods "W"	3				
<b>COGNATE REQUIREMENTS (18 CREDITS)</b>					
HIS 102 History of Civilization II	3				
HIS 152 US History II	3				
Two Additional Courses: ECO 111 or 112; GEO 101 or 103	6				
SOC 100 Introduction to Sociology	3				
PSY 100 Introduction to Psychology	3				
<b>CAPSTONE EXPERIENCE (12 CREDITS)</b>					
*SED 411 — Student Teaching Stage IV Fields: Clearances Needed	6				
*SED 412 — Student Teaching Stage IV Fields: Clearances Needed	6				
<b>TOTAL</b>	<b>147</b>				

Milestones in the Teacher Education Program			
Milestone	Completed	Milestone	Completed
Basic Skills Testing		Test of Writing Competency	
Candidacy Admission		Praxis II	
Portfolio		GPA for Certification	

**B.S. Geography with Elective Teacher Certification (97 + 56 CREDITS) Fall 2021 +**

<b>Name:</b>	<b>Date Major Declared:</b>	<b>Planned Grad Date:</b>			
Basic Skills Testing Requirement for Candidacy					
Candidacy Req: 48 credits, 3 lit, 3 comp, 6 math, 2.8 GPA, Basic Skills Testing					
Praxis 5081 Social Studies Content Knowledge Test (Must take prior to student teaching, and earn passing score for certification):					
	<b>CREDITS</b>	<b>COURSE</b>	<b>SEMESTER</b>	<b>GRADE</b>	<b>REP/W**</b>
<b>GENERAL EDUCATION REQUIREMENTS (61 less 36 Attributed to Major Requirements = 34 credits)</b>					
FIRST YEAR EXPERIENCE	4				
WRT 120	3				
WRT 200, or 204, or 205, or 206, or 208, or 220	3				
MATH (103 or above)	3				
<b>DIVERSE COMMUNITIES "J"</b>	-	ENG 382			
<b>INTERDISCIPLINARY "I"</b>	-	EDF 300			
<b>SCIENCE</b> (6 CREDITS FROM TWO AREAS: CHEM, BIO, ESS, PHYSICS)	3				
	3				
<b>BEHAVIOR &amp; SOCIAL SCI.</b> (6 CREDITS FROM TWO AREAS: ANT SOC PSY ECO GEO PSC)	3	PSY 100			
	3	PSC 100			
<b>HUMANITIES</b> (A LIT COURSE is required for candidacy)	3	LIT or CLS (REQ for Candidacy)			
	3				
<b>ARTS</b> (ART CINEMATOGRAPHY MUSIC PHOTOGRAPHY THEATRE)	3				
<b>ETHICS "E" COURSE</b>	-	ERM 355			
<b>SPEAKING "S" COURSE</b>	-	SED 200			
	-	SED 411			
	-	SED 412			
<b>WRITING "W" COURSE</b>	-	SED 331			
	-	SEC 300			
		CLS 165			
<b>CAPSTONE</b>	-	SED 411/412			
<b>LANGUAGE &amp; CULTURE REQUIREMENT (12 credits)</b>					
Option 1: Language Choice 101, 102, 201, 202 4 courses					
Option 2: Language Choice 101, 102, and 3 Culture Cluster Courses (PSC340 recommended if taking Spanish)					
<b>FREE ELECTIVES (9 credits)</b>					
<i>Elective 1</i>	3	MAT (103 or above)			
<i>Elective 2</i>	3				
<i>Elective 3</i>	3				
<b>POLITICAL SCIENCE COURSES - CORE (21 CREDITS)</b>					
PSC 100 American Government	3				
PSC 200 Political Analysis	3				
PSC 202 Public Administration	3				
PSC 213 Intro to International Relations	3				
PSC 230 Intro to Political Thought	3				
PSC 240 Comparative Politics	3				
PSC 401 Senior Project OR PSC 357 is not taken in concentration	3				
<b>POLITICAL SCIENCE COURSES – CONCENTRATION COURSES (21 CREDITS)</b>					
Two courses in the Institutional Area: PSC 324, 338, 350, 352, 355, 359, or 371	6				

Two courses in the Behavioral Area: PSC 301, 322, 323, 325, 329, or 353	6				
Two courses in Public Policy: PSC 304, 320, 351, 354, 356, 357, 358, or 370	6				
One additional PSC course at the 300 level or 3 credits of an approved PSC Internship (PSC 412).	3				
<b>EDUCATION CORE REQUIREMENTS (29 credits)</b>					
EDF 300 Democracy and Education "I"	3				
EDP 280 — Developmental and Psychological Perspectives in Education	3				
EDA 103 — Foundations of Special Education	3				
EDA 303 — Special Education for Secondary Educators	2				
EDR 347 — Literacy Development & Sec Students w/Disabilities	3				
LAN/ENG 382 — ELL Strategies for Content Area Teachers	3				
ERM 355 Ethical and Effective Assessment for Learning 7 – 12 "E"	3				
SED 100 An Exploration of Secondary Education	3				
SED 200 Secondary Field Experience. "S"	3				
SED 300 Principles of Teaching and Field Experience "W"	3				
<b>SOCIAL STUDIES EDUCATION REQUIREMENTS (3 credits)</b>					
SED331 Teaching Secondary Social Studies Methods	3				
<b>COGNATE REQUIREMENTS (12 CREDITS)</b>					
HIS 102 History of Civilization II	3				
HIS 152 US History II	3				
Two Additional Courses: ECO 111 or 112; GEO 101 or 103	6				
<b>CAPSTONE EXPERIENCE (12 CREDITS)</b>					
*SED 411 — Student Teaching Stage IV Fields: Clearances Needed	6				
*SED 412 — Student Teaching Stage IV Fields: Clearances Needed	6				
<b>TOTAL</b>					

Milestones in the Teacher Education Program			
Milestone	Completed	Milestone	Completed
Basic Skills Testing		Test of Writing Competency	
Candidacy Admission		Praxis II	
Portfolio		GPA for Certification	

## PREPARING FOR GRADUATION

**At least a year** before you anticipate graduating, follow these steps:

1. Meet with your **major and minor advisors** at least a year prior to your anticipated graduation date to review unmet requirements. Your advisor can also look at general education requirements, but are best reviewed by the Registrar.
2. Count your credits! WCU cannot grant any degree without a **minimum of 120 credits**. (And just because you have 120 credits does not mean that you earn a degree; you also must satisfy the degree's course requirements.) B.S.Ed. programs are often higher than 120 credits.
3. Visit your *MyWCU* page and click on "Apply for Graduation" to apply for graduation analysis (see the pages that follow for instructions). This triggers a request to the Registrar (as well as putting you on the department's list of prospective graduates at the end of your anticipated graduation semester). **You should apply a year before you anticipate graduation.** This will permit you to make adjustments to your course selections in your final semesters that will prevent any delay in your graduation date.
4. The Registrar's Office will provide an evaluation of your general education requirements. After several weeks to a few months (depending on urgency and time of semester), the Registrar's Office will send you an email **at your WCU email address only**, with your evaluation report attached. You will be asked to come to the Registrar's office and review the evaluation with the designated Registrar staff member (determined by Major/College). Specific days/times are identified. ***You must check your WCU email account to learn of your graduation status!***
5. Consult with any minor advisors the first week of your last semester to verify that you will complete all requirements of minor programs.
6. **Meet with your advisor first week of your last semester** so that you can check requirements one more time, when you still have time to adjust your schedule during the Drop/Add period.

Graduation clearances for your major are done in the last week of classes. If there is a problem with unmet major requirements, this is when you will learn about them officially. That is why regular meetings with your advisor plus familiarity with this manual and your advising sheets are essential!

### ***How NOT to graduate!***

The most common problems:

1. You do not have **120 credits**. Common reasons: You can't count remedial classes or repeats. Using one class to meet two requirements leaves you 3 credits short. You took a 2-credit class instead of a 3-credit class. You didn't transfer in all of your transfer classes.
2. You expected an Interdisciplinary class to count for one of your Gen Ed distributive classes (it can't).

Please do not expect either the Registrar or the department to process your graduation request a couple of weeks before you intend to graduate.

**Apply at least a year ahead of when you plan to graduate.**

## LETTERS OF RECOMMENDATION

This information is primarily for those intending to go to graduate school; however, the general advice also applies to those seeking letters of recommendation for jobs and scholarships.

For most graduate school applications, you will need to include three letters of recommendation from individuals who can address your abilities, suitability, and promise for graduate study. For law, library/information sciences, and other professional school applications, having a recommender who is a professional in the field would work well. For applications to English or similar academic programs, you will probably want to have three letters from academics/faculty members in the field. In selecting faculty members to approach for a letter, you should consider who knows you and your work best. Those who know you well and have ties with a particular university or program to which you are seeking admission are particularly good to approach – as are those who are well-known in the field you wish to enter.

When asking someone to write on your behalf, be sure to phrase your request in a way that allows the person a gracious way to decline. For instance, a professor may not feel that he or she could write the strong letter you need to gain admission. Also, be sure to plan in advance. You should give your recommenders three week or more lead-time before the letter is due.

As part of your planning, you should prepare a packet for your recommenders. This packet ideally should include:

- A list of programs to which you are applying – and the deadlines for the receipt of materials at each school.
- Any forms that should be included with the letter. Complete all portions of the form that ask for your personal information. **Be sure to check the box that waives your right to see the letter.** If you do not waive your rights to see the material, the letter will hold less weight.
- A draft of your personal statement or essay that you are sending with your application.
- A copy of your resume.
- A statement in which you offer a brief summary of the work you completed for the course(s) you took with the recommender and the grades you earned. Such information will jog the recommender's memory and allow the person to add specific details that will enhance the letter. Feel free to include any information (course-related or otherwise) that you feel would help the recommender highlight your talents for graduate school, your maturity, and/or your reasons for selecting particular programs.

URLs for the recommendation submission websites and any relevant instructions.