## **BIOLOGY, GRADES 9-12**

1. Content Planning and Delivery  a. Curriculum and Instructional Planning b. Instructional Instructional Planning Course Number  a. Curriculum and Instructional Planning b. Instructional Instructional Planning Course Number Course Title C	EDUCATOR PREPARATION PROGRAM NAME		EDUCATOR PREPARATION PROGRAM CODE	
1. Content Planning and Delivery  a. Curriculum and Instructional Planning a. Curriculum and Instructional Planning b. Instructional Strategies and Techniques in Content Area Specials content Area S	Missouri Baptist University	maatau baarus	041538	
a. Curriculum and Instructional Planning ECTA 323		mester nours)		
a. Curriculum and Instructional Planning ECTA 323 Curriculum, Assessment, and Data-based Design Mikhing Content Area Spracially Strategies and Techniques in Content Area Spracially Experience of Middle Spracendary; and Data-Based Decision-Making Design-Making Design-Making Decision-Making Decision-Mak	1. Contoner lamming and Bonvery	Course Number	Course Title	Semester
b. Instructional Strategies and Techniques in Cortent Area Specially  Content Area Specially  Assessment; Student Data, and Data-Based Dissipation (Assessment) (	a. Curriculum and Instructional Planning			Hours 1
Content Area Specialty  C. Assessment. Student Data, and Data-Based Decision-Making  d. Strategies for Content Literacy  EDRD 423/523  EDRD 231  EDWC 201  EDWC 303  EDWC 304  EDWC 304  EDWC 305  E			Decision Making	
Decision-Making d. Strategies for Content Literacy EDRD 423/523 Integration of Literacy in the Content Areas Power integration of Literacy in the Content Areas	Content Area Specialty	EDMS 483/583		3
d. Strategies for Content Literacy  e. Critical Thinking and Problem Solving  EDUC 200  EDUC 303  EDUC 304  EDUC 305  EDUC 305  EDUC 306  EDUC 307  EDUC 208  EDUC 307  EDUC 209  EDUC 209		ECTA 323		1
EDUC 200  EDUC 303  EDUC 373 OR  EDUC 373 OR  EDUC 373 OR  EDUC 273 OR  EDUC 273 OR  EDUC 273 OR  EDUC 273 OR  EDUC 203  EDRD 423/523  EDRD 423/523  EDRD 423/523  Integration of Literacy in the Content Areas  EDRD 423/523 bit does not include a field below in 4a  423/523 which	8	EDRD 423/523		
EDUC 373 OR EDUC 373 OR EDUC 373 OR EDUC 373 OR EDUC 573 OR EDUC 574 OR EDUC 5	e. Critical Thinking and Problem Solving		Continuing Portfolio Development for Teacher	1 0
EDUC 373 OR EDUC 373 OR EDUC 373 Technology and Instructional Media OR Applications of Technology in Teaching and Learning and Learning and Learning and Education of Technology with English language and Learning in a Course Society 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		EDUC 303	Methods of Teaching and Differentiated	1
EDRC 203   Teaching in a Diverse Society   1			Technology and Instructional Media OR Applications of Technology in Teaching and	3
Students transferring in a course for EDRD 423/523 which does not include a field experience working with English language learners must complete Thou and the Experience with English Language Learners are successed in the Experience with English Language Learners.  2. Individual Student Needs    Course Number	f. English Language Learning	EDUC 203		1
a. Psychological Development of the Child and Adolescent  a. Psychological Development of the Child and Adolescent  BPSYC 553  BPSYC		EDRD 423/523	Students transferring in a course for EDRD 423/523 which does not include a field experience working with English language learners must complete EDCL 420/520 Field	
a. Psychological Development of the Child and Adolescent PSYC 553 Human Growth and Development OR Advanced Human Development PSYC 553 Human Growth and Development PSYC 553 Human Growth and Development PSYC 553 Human Growth and Development OR Advanced Human Development PSYC 553 Human Growth and Development PSYC 553 Human Growth and Development PSYC 553 Human Growth and Development PSYC 553 Human Growth Advanced Human Development I Trauma Informed Classroom 1 Development PSYC 553 Human Growth G	Individual Student Needs			Samastar
Adolescent  EDPS 383 EDPS 453/553 EDR 413/513 EDR 413/513 EDR 413/513 EDR 413/513 The Exceptional Child 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Course Number	Course Title	
EDPS 453/553 EDTR 413/513 Trauma Informed Classroom 1 b. Psychology/Education of the Exceptional Child C. Differentiated Learning EDUC 303 EDPS 453/553 The Exceptional Child 2 C. Differentiated Learning EDUC 303 Methods of Teaching and Differentiated Instruction Distruction C. Differentiated Learning EDUC 303 Methods of Teaching and Differentiated ETOP 423/523 Classroom and Behavior Management ETOP 423/523 EDTR 413/513 Trauma Informed Classroom Trauma Informed Classroom Trauma Informed Classroom EDUC 203 Teaching in a Diverse Society EDPS 383 Psychology of Teaching and Learning TeDPS 383 Psychology of Teaching and Learning EDPS 383 Psychology of Teaching and Learning Trauma Informed Classroom Trauma Informed Cl				3
Child  C. Differentiated Learning  C. Differentiated Learning  EDUC 303  Methods of Teaching and Differentiated 2 Instruction  d. Classroom Management  ETOP 423/523  EDTR 413/513  Frauma Informed Classroom  1  e. Cultural Diversity  EDUC 203  Teaching in a Diverse Society  2  f. Educational Psychology  EDPS 383  Psychology of Teaching and Learning  Course Number  Course Number  ECTA 323  Curriculum, Assessment, and Data-based Decision Making  1  EDPS 383  Psychology of Teaching and Learning  1  EDPS 383  Psychology of Teaching and Learning  1  EDPS 383  Psychology of Teaching and Learning  Curriculum, Assessment, and Data-based Decision Making  1  EDPS 383  Psychology of Teaching and Learning  0.5  EDUC 210 AND 410/510  EDUC 401  Professional Growth and Folio Development II  ETOP 423/523  Classroom and Behavior Management  0.5  Decision Making  1  ETOP 423/523  Classroom and Behavior Management  0.5  Classroom an		EDPS 453/553	The Exceptional Child Trauma Informed Classroom	1
d. Classroom Management ETOP 423/523 Classroom and Behavior Management 2 EDTR 413/513 Trauma Informed Classroom 1 ECTOP 383 Psychology 1 EDUC 203 Teaching in a Diverse Society 2 f. Educational Psychology EDPS 383 Psychology of Teaching and Learning 1 Senseter Hours  a. Consultation and Collaboration ECTA 323 Curriculum, Assessment, and Data-based Decision Making 1 EDPS 383 Psychology of Teaching and Learning 0.5 EDTR 413/513 Trauma Informed Classroom 1 EDDC 210 AND 410/510 Teaching Field Experience I and II Seminar 0 EDUC 401 Professional Growth and Folio Development II 1 ETOP 423/523 Classroom and Behavior Management 0.5 EDV 4410/510 Teaching Field Experience II Seminar 0 ETOP 423/523 Classroom and Behavior Management 0.5 EDUC 410/510 Teaching and Learning 0.5 EDUC 410/510 Teaching and Learning 0.5 EDUC 420/523 Classroom and Behavior Management 0.5 EDUC 420/523 Classroom and Behavior Management 0.5 EDUC 420/523 Classroom and Behavior Management 0.5 ETOP 423/523 Classroom and Behavior Management 0.5 ETOP 423/52		EDPS 453/553	The Exceptional Child	2
d. Classroom Management ETOP 423/523 Classroom and Behavior Management 2 ETOR 413/513 Trauma Informed Classroom 1 EDITE 413/513 Trauma Informed Classroom 1 EDITE 413/513 Trauma Informed Classroom 1 EDITE 413/513 Trauma Informed Classroom 1  3. Schools and the Teaching Profession    Course Number   Course Title   Semester Hours	c. Differentiated Learning	EDUC 303		2
e. Cultural Diversity f. Educational Psychology f. Educational Psychology general Sassistic Schools and the Teaching Profession  Course Number Course Title Cours	d. Classroom Management		Classroom and Behavior Management	
3. Schools and the Teaching Profession  Course Number Course Title  Cour	e. Cultural Diversity			
a. Consultation and Collaboration  ECTA 323  Curriculum, Assessment, and Data-based Decision Making  EDPS 383  Psychology of Teaching and Learning  EDUC 210 AND 410/510  EDUC 401  Professional Growth and Folio Development II  ETOP 423/523  Classroom and Behavior Management  EDUC 410/510  EDPS 383  Psychology of Teaching and Learning  0.5  Classroom and Behavior Management  0.5  EDPS 383  EDUC 410/510  ETOP 423/523  Classroom and Behavior Management  0.5  Classroom and Behavior Management  0.5  EDPS 383  EDUC 410/510  ETOP 423/523  Diagraphic Experience II Seminar  Classroom and Behavior Management  0.5  EDPS 383  EDUC 410/510  ETOP 423/523  Diagraphic Experience II Seminar  Classroom and Behavior Management  0.5  EDPS 383  EDPS 383  EDRD 423/523  Diagraphic Experience II Seminar  Classroom and Behavior Management  0.5  EDRD 423/523  Diagraphic Experience II Seminar  0.5  EMBED 423/523  Diagraphic Interventions of Students with Reading and Writing Strategies for Middle/Secondary Content Areas  EDRD 43/563  Reading and Writing Strategies for Middle/Secondary Content Areas				
a. Consultation and Collaboration  ECTA 323  Curriculum, Assessment, and Data-based Decision Making  1  EDPS 383  Psychology of Teaching and Learning  EDPS 383  Frauma Informed Classroom  1  EDUC 210 AND 410/510  EDUC 401  EDUC 401  Professional Growth and Folio Development II  ETOP 423/523  Classroom and Behavior Management  DEPS 383  EDUC 410/510  EDPS 383  EDVE 410/510  EDPS 383  EDVE 410/510  ETOP 423/523  Classroom and Behavior Management  DEPS 383  EDUC 410/510  ETOP 423/523  Classroom and Behavior Management  DEPS 383  EDUC 410/510  ETOP 423/523  Classroom and Behavior Management  DEPS 383  EDVE 410/510  ETOP 423/523  Classroom and Behavior Management  DEPS 383  EDVE 410/510  ETOP 423/523  Classroom and Behavior Management  DEPS 383  EDVE 410/510  ETOP 423/523  Integration of Literacy in the Content Areas  DEPS 483  DEPS 383  EDVE 410/510  ETOP 423/523  E	Schools and the Teaching Profession	T		0
EDPS 383   Psychology of Teaching and Learning   0.5		Course Number	Course Title	
EDTR 413/513  Trauma Informed Classroom  1  EDUC 210 AND 410/510  EDUC 401  Professional Growth and Folio Development II  ETOP 423/523  Classroom and Behavior Management  5. Legal/Ethical Aspects of Teaching  EDUC 410/510 EDPS 383 EDUC 410/510 ETOP 423/523  Psychology of Teaching and Learning Teaching Field Experience II Seminar Classroom and Behavior Management  6.5  Course Number  Course Number  Course Number  Course Number  A. Reading and Writing in the Content Area  EDRD 423/523  D. Instructional Interventions for Students with Reading Deficits  EDRD 463/563 Reading and Writing Strategies for Middle/Secondary Content Areas  EDRD 463/563 Reading and Writing Strategies for Middle/Secondary Content Areas	a. Consultation and Collaboration	ECTA 323		
EDUC 210 AND 410/510  EDUC 401 Professional Growth and Folio Development II 1  ETOP 423/523 Classroom and Behavior Management 0.5  b. Legal/Ethical Aspects of Teaching EDUC 410/510 Teaching Field Experience II Seminar 0 ETOP 423/523 Classroom and Behavior Management 0.5  4. Secondary Literacy (Minimum of 6 semester hours)  Course Number Course Title Semester Hours  a. Reading and Writing in the Content Area EDRD 423/523 Integration of Literacy in the Content Areas 3  b. Instructional Interventions for Students with Reading Deficits  EDUC 210 AND Teaching Field Experience I and II Seminar 0.5  Classroom and Behavior Management 0.5  Course Number Course Title Semester Hours  Integration of Literacy in the Content Areas 3  Reading and Writing Strategies for Middle/Secondary Content Areas		EDPS 383	Psychology of Teaching and Learning	0.5
EDUC 401 Professional Growth and Folio Development II 1  ETOP 423/523 Classroom and Behavior Management 0.5  b. Legal/Ethical Aspects of Teaching EDPS 383 Psychology of Teaching and Learning EDUC 410/510 Teaching Field Experience II Seminar 0 Classroom and Behavior Management 0.5  4. Secondary Literacy (Minimum of 6 semester hours)  Course Number Course Title Semester Hours  a. Reading and Writing in the Content Area EDRD 423/523 Integration of Literacy in the Content Areas 3  b. Instructional Interventions for Students with Reading Deficits Reading Areas Middle/Secondary Content Areas		EDTR 413/513	Trauma Informed Classroom	1
b. Legal/Ethical Aspects of Teaching  ETOP 423/523  Classroom and Behavior Management  D.5  D.5  D. Legal/Ethical Aspects of Teaching  EDPS 383 EDUC 410/510 ETOP 423/523  Classroom and Behavior Management  Classroom and Behavior Management  D.5  4. Secondary Literacy (Minimum of 6 semester hours)  Course Number  Course Title  Bemester Hours  D.5  Semester Hours  A. Reading and Writing in the Content Area  D.5  Semester Hours  EDRD 423/523  D. Instructional Interventions for Students with Reading Deficits  EDRD 463/563  Reading and Writing Strategies for Middle/Secondary Content Areas  Middle/Secondary Content Areas			Teaching Field Experience I and II Seminar	0
b. Legal/Ethical Aspects of Teaching  EDPS 383 EDUC 410/510 ETOP 423/523  Psychology of Teaching and Learning Teaching Field Experience II Seminar Classroom and Behavior Management  Course Number  a. Reading and Writing in the Content Area EDRD 423/523 Integration of Literacy in the Content Areas  b. Instructional Interventions for Students with Reading Deficits  Psychology of Teaching and Learning Classroom and Behavior Management  Course II Seminar Classroom and Behavior Management  Course Title Semester Hours  Reading and Writing in the Content Areas  Reading and Writing Strategies for Middle/Secondary Content Areas		EDUC 401	Professional Growth and Folio Development II	1
EDUC 410/510 Teaching Field Experience II Seminar Classroom and Behavior Management 0 0.5  4. Secondary Literacy (Minimum of 6 semester hours)  Course Number Course Title Semester Hours  a. Reading and Writing in the Content Area EDRD 423/523 Integration of Literacy in the Content Areas 3  b. Instructional Interventions for Students with Reading Deficits EDRD 463/563 Reading and Writing Strategies for Middle/Secondary Content Areas 3				
4. Secondary Literacy (Minimum of 6 semester hours)  Course Number  a. Reading and Writing in the Content Area b. Instructional Interventions for Students with Reading Deficits  ETOP 423/523  Classroom and Behavior Management  O.5  Semester Hours  Integration of Literacy in the Content Areas  Reading and Writing Strategies for Middle/Secondary Content Areas	b. Legal/Ethical Aspects of Teaching			
Course Number Course Title Hours  a. Reading and Writing in the Content Area EDRD 423/523 Integration of Literacy in the Content Areas 3  b. Instructional Interventions for Students with Reading Deficits EDRD 463/563 Reading and Writing Strategies for Middle/Secondary Content Areas				0.5
a. Reading and Writing in the Content Area EDRD 423/523 Integration of Literacy in the Content Areas 3 b. Instructional Interventions for Students with Reading Deficits EDRD 463/563 Reading and Writing Strategies for Middle/Secondary Content Areas	Secondary Literacy (Minimum of 6 semester)	i i	Course Title	
b. Instructional Interventions for Students with Reading Deficits  EDRD 463/563  Reading and Writing Strategies for Middle/Secondary Content Areas	Dooding and Whiting in the Control An			
	b. Instructional Interventions for Students with		Reading and Writing Strategies for	
	rodding Dollollo	Professiona		38

1 10	eld and Clinical Experiences (Minimum of 10	. Field and Clinical Experiences (Minimum of 10 semester hours)							
		Course Number	Course Title	Semester Hours					
1.	Early Field Experiences (Minimum of 1 semester	EDCL 211	Teaching Field Experience I	1					
	hour with a minimum of 30 clock hours)	*EDCL 220	*Teaching Field Experience	0					
			(required for transfer students who do not have						
			a MEES (or equivalent) evaluation for Field I						
		EDUC 210	Teaching Field Experience I Seminar	0					
2.	Mid-Level Field Experiences (Minimum of 1	EDCL 411/511	Teaching Field Experience II	1					
	semester hour with a minimum of 45 clock hours)	EDUC 410/510	Teaching Field Experience II Seminar	0					
3.	Culminating Clinical Experiences (Minimum of 8	ESCL 4712/5712	Student Teaching: Secondary	12					
	semester hours with a minimum of 12 weeks in 1	EDUC 470	Student Teaching Professional Development	0					
	placement)		Seminar						
	· · · · · · · · · · · · · · · · · · ·	Field and Clinic	cal Experiences - Total Semester Hours	14					

	ology Content Knowledge Area (Minimum of		Semester	
		Course Number	Course Title	Hours
1.	History/Philosophy of Science and Technology	IDST 313	History and Philosophy of Science and	3
	(Minimum of 3 semester hours)		Technology	
2.	Biology Coursework – Minimum of 20 semester			
	hours which must include			
	a. Cell Biology	BIOL 423	Cell Biology	3
	b. Plant Form and Function	BIOL 123 AND	General Biology II AND	4
		BIOL 121	General Biology II Lab	
	c. Animal Form and Function	BIOL 113 AND BIOL 111	General Biology I AND General Biology I Lab	4
	d. Genetics	BIOL 343 AND	Genetics AND	4
	u. • • • • • • • • • • • • • • • • • • •	BIOL 341	Genetics Lab	•
	e. Evolution	BIOL 113 AND	General Biology I AND	-
		BIOL 111	General Biology I Lab	
	f. Biology Electives	BIOL 401	Integrating Concepts of Biology	1
		May choose any of the following:	May choose any of the following:	Minimum: 4
		BIOL 373 AND BIOL 371	Microbiology & Lab	
		BIOL 321B	Special Topics in Environmental Science	
		BIOL 323A	Environmental Science/Conservation	
		OR	OR	
		BIOL 323B	Ecology (whichever course is not used below in 3d)	
		BIOT 213+211	Introduction to Biotechnology & Lab	
		BIOT 301	Biotechnology Seminar	
		BIOT 313	Experimental Biochemistry/Molecular Biology	
		BIOL XXX	Any other approved Biology elective(s)	
3.	Additional Science Coursework – Minimum of 12 semester hours which must include			
	a. Chemistry	CHEM 130	General Chemistry I Problem Solving	5
		CHEM 133 AND	General Chemistry I AND	
		CHEM 132	General Chemistry I Lab	
	b. Physics	PHYS 213 AND	General Physics I AND	
		PHYS 211	General Physics I Lab	4
		OR PHYS 133 AND	OR College Physics I AND	4
			College Physics I Lab	
	c. Earth Science	PHYS 131 PHYS 123 AND	Geology and Earth Science AND	4
	C. Latti Science	PHYS 123 AND PHYS 121	Geology and Earth Science AND Geology and Earth Science Lab	4
	d. Environmental Science	BIOL 323A	Environmental Science and Conservation	
	S. Livilonia Goldino	OR	OR	
		BIOL 323B	Ecology	3
			nowledge Area - Total Semester Hours	39