

BIOLOGY, GRADES 9-12

EDUCATOR PREPARATION PROGRAM NAME Missouri Baptist University		EDUCATOR PREPARATION PROGRAM CODE 041538	
A. Professional Requirements (Minimum of 26 semester hours)			
1. Content Planning and Delivery			
	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	ECTA 323	Curriculum, Assessment, and Data-based Decision Making	1
b. Instructional Strategies and Techniques in Content Area Specialty	EDMS 483/583	Teaching Science for Middle/Secondary: Seminar and Field Experience	3
c. Assessment, Student Data, and Data-Based Decision-Making	ECTA 323	Curriculum, Assessment, and Data-based Decision Making	1
d. Strategies for Content Literacy	EDRD 423/523	Integration of Literacy in the Content Areas	*Hours included below in 4a
e. Critical Thinking and Problem Solving	EDUC 201	Professional Growth & Folio Development I Continuing Portfolio Development for Teacher Candidates	1
	EDUC 200		0
	EDUC 303	Methods of Teaching and Differentiated Instruction	1
	EDUC 373 OR EDUC 573	Technology and Instructional Media OR Applications of Technology in Teaching and Learning	3
f. English Language Learning	EDUC 203	Teaching in a Diverse Society	1
	EDRD 423/523	Integration of Literacy in the Content Areas 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 Experience with English Language Learners	*Hours included below in 4a
2. Individual Student Needs			
	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	PSYC 313 OR PSYC 553	Human Growth and Development OR Advanced Human Development	3
	EDPS 383	Psychology of Teaching and Learning	1
	EDPS 453/553	The Exceptional Child	1
	EDTR 413/513	Trauma Informed Classroom	1
b. Psychology/Education of the Exceptional Child	EDPS 453/553	The Exceptional Child	2
c. Differentiated Learning	EDUC 303	Methods of Teaching and Differentiated Instruction	2
d. Classroom Management	ETOP 423/523	Classroom and Behavior Management	2
	EDTR 413/513	Trauma Informed Classroom	1
e. Cultural Diversity	EDUC 203	Teaching in a Diverse Society	2
f. Educational Psychology	EDPS 383	Psychology of Teaching and Learning	1
3. Schools and the Teaching Profession			
	Course Number	Course Title	Semester 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
	EDUC 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
b. Legal/Ethical Aspects of Teaching	EDPS 383	Psychology of Teaching and Learning	0.5
	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	EDRD 463/563	Reading and Writing Strategies for Middle/Secondary Content Areas	3
Professional Requirements - Total Semester Hours			38

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

C. Biology Content Knowledge Area (Minimum of 35 semester hours)			
	Course Number	Course Title	Semester Hours
1. History/Philosophy of Science and Technology (Minimum of 3 semester hours)	IDST 313	History and Philosophy of Science and Technology	3
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 BIOL 121	General Biology II AND General Biology II Lab	4
c. Animal Form and Function	BIOL 113 AND BIOL 111	General Biology I AND General Biology I Lab	4
d. Genetics	BIOL 343 AND BIOL 341	Genetics AND Genetics Lab	4
e. Evolution	BIOL 113 AND BIOL 111	General Biology I AND General Biology I Lab	-
f. Biology Electives	BIOL 401 May choose any of the following: BIOL 373 AND BIOL 371 BIOL 321B BIOL 323A OR BIOL 323B BIOT 213+211 BIOT 301 BIOT 313 BIOL XXX	Integrating Concepts of Biology May choose any of the following: Microbiology & Lab Special Topics in Environmental Science Environmental Science/Conservation OR Ecology (whichever course is not used below in 3d) Introduction to Biotechnology & Lab Biotechnology Seminar Experimental Biochemistry/Molecular Biology Any other approved Biology elective(s)	1 Minimum: 4
3. Additional Science Coursework – Minimum of 12 semester hours which must include			
a. Chemistry	CHEM 130 CHEM 133 AND CHEM 132	General Chemistry I Problem Solving General Chemistry I AND General Chemistry I Lab	5
b. Physics	PHYS 213 AND PHYS 211 OR PHYS 133 AND PHYS 131	General Physics I AND General Physics I Lab OR College Physics I AND College Physics I Lab	4
c. Earth Science	PHYS 123 AND PHYS 121	Geology and Earth Science AND Geology and Earth Science Lab	4
d. Environmental Science	BIOL 323A OR BIOL 323B	Environmental Science and Conservation OR Ecology	3
Content Knowledge Area - Total Semester Hours			39