

MAT Plan of Study

Life Science/Physics

Candidate _____ Banner I.D. # _____ Adm. Date _____

Address _____ Phone _____

_____ Zip Code _____ Email _____

	Means of Satisfying Requirement	Experience				Hours	Sem/Yr
		C	F	U	G		
1. All of the following							
EDL 621 Found. of Multi-Cultural Ed. (3)					3		
EDP 601 Advanced Educational Psychology (3) or EDP 603 Theories of Human Learning (3) <i>(Both classes available Fall & sometimes Summer)</i>		5	23		3		
EDP 607 Ed. Measurement & Evaluation (3) <i>(Fall & sometimes Summer)</i> or EDP 301A Assessment & Eval. In Ed. Settings (3)							
EDP 656 Ed. Of Exceptional Persons (3) <i>(Fall & sometimes Summer)</i> or (EDP 256) Psychology of the Exceptional Learner (3)							
FSW 581.A Adol. Dev. In Diverse Families (3)					3		
EDP 540 Practicum in Integrating Technology Into Instruction (1-2) or EDP 543 Media and Technology for Teaching (3)		40			3		
EDT 531 Adolescent Science Methods I (3) Prerequisites: EDP 601, 3.0 GPA, Admission to Program <i>(Fall only)</i>		24			3		
EDT 532 Adolescent Science Methods II (3) <i>(Spring only)</i>					3		
EDT 519 Supervised Teaching (12) Prerequisite: All methods classes, 3.0 GPA <i>These credit hours are beyond the 30 semester hours required for this degree</i>					12		
EDT 521.A Classroom Management (2)		16	8		2		
EDT 546.A Reading in the Content Area <i>(Spring only)</i> Take concurrent with EDT 521 & EDT 532 (3)					3		
EDT 689 Field Application Techniques (3)		10	8		3		
EDT 690 Field Practicum in Instruction (3)		10			3		
2. Additional graduate courses in the content or methodology of the licensure area, to bring the total graduate credit hours to at least 30, of which at least 15 are earned at the 600 level.							
Strongly recommended - EDT 622 Improvement of Teaching in the Secondary School <i>(Summer only)</i> (3) or EDT 586 Teaching Environmental Education (3)					3		

* 30 Field Hours per Credit Hour

4. Coursework in the content of the certification area to satisfy certification standards

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Take all of the following:							
CHM 141 (or 137)/144 + 142/145 College Chem.+ Labs (3,2,3,2)					5		
MTH 151 Calculus I (5)					5		
MTH 251 Calculus II (4)					4		
MTH 252 Calculus III (4)					4		
PHY 181/182/183/184 The Physical World + Labs (4,4,1,1)					10		
PHY 291/293 Contemporary Physics + Lab (4,2)					6		
PHY 292/294 Electronic Instrumentation + Lab (3,2)					5		
1. Intro. Biology series (choose one sequence):							
BOT/MBI/ZOO 115 & 116 Biological Concepts OR (8)					8		
ZOO 113 & 114 Animal Div. & Prin. Of Biology (ZOO 113 & 114 – regional campus only) (8)					8		
2. Environmental Science course (choose one):							
BOT 131 Plants, Humanity, & Environ. (3)					3		
IES 431 Prin./App. Environ. Science (3)					3		
ZOO 121 Environmental Biology (4)					4		
ZOO 351 Environmental Education (3)					3		
3. Evolution course (choose one):							
ATH 355 Fossil Evidence for Human Evolution (3)					3		
BOT 204 Evolution of Plant Diversity (4)					4		
GLG 205 Evolution and Earth Systems (fall) (3)					3		
ZOO 206 Evolutionary Biology (3)					3		
4. Field Biology (choose one):							
BOT 155 Field Botany (3)					3		
BOT 204 Evolution of Plant Diversity (4)					4		
BOT 205 Dendrology (4)					4		
BOT 499.A Tropical Flora of the Bahamas (4)					4		
GLG 499 Intl. Field Geology Workshop (5)					5		
ZOO 333 Field Ecology (2)					2		
5. Physiology course (choose one):							
BOT 203 Cell Biology (4)					4		
BOT 425 Fund. Of Plant Physiology (4)					4		
ZOO 161 Human Physiology (4)					4		
ZOO 305 Animal Physiology (4)					4		
6. Genetics course (choose one):							
BOT 203 Cell Biology (4)					4		
BOT 204 Evolution of Plant Diversity (4)					4		
BOT/ZOO 342 Genetics (3)					3		
7. Ecology course (choose one):							
BOT 171 Ecology of North America (3)					3		
BOT 401 Plant Ecology (3)					3		
MBI 475 Microbial Ecology (3)					3		
ZOO 204 Fundamentals of Ecology (3)					3		
8. GLG plus lab (choose one course with lab):							
GLG 111 + 115.L Dynamic Earth + Lab (3)					3		
GLG 121 + 115.L Environmental Geology + Lab (3)					3		
GLG 141 + 115.L Geology of U.S. Nat'l. Parks + Lab (3)					3		
9. Science, Technology & Society (choose one):							
CHM 491 Chemistry in Societal Issues (3)					3		
EDT 374 The Nature of Science (3)					3		
GLG 207 Water and Society (spring) (3)					3		
PHL 205 Science and Culture (3)					3		
PHL 376 Environmental Philosophy (3)					3		
WCP 222 Natural Systems II (4)					4		
WCP 333.B or 334.B Sem. In Sci/Tech/Envir (4)					4		
ZOO 400 Capstone: Contemporary Issues (3)					3		
10. Inquiry Course (Choose one):							
EDT 415/515 Inquiry Into Life Science (3)					3		
PHY 215 Physics by Inquiry (3)					3		

TOTALS: UNG HRS _____ GRAD HRS _____ GRAD HRS > 600 _____ CLINICAL & FIELD HRS _____
 (30) (15) (300)

SIGNATURES Candidate _____ Date _____

Advisor _____ Date _____

Director of Graduate Studies _____ Date _____