EAST CENTRAL UNIVERSITY BIOLOGY - B.S. MOLECULAR BIOLOGY CONCENTRATION 0049/UG13

Advisor	 	

Student's Name ID No DEGREE CHECK INCLUDES CURRENT ENROLLMENT					
Checked by Date Work in progress 2.0 minimum required areas: 124 total hours completed areas: 30 hrs @ ECU completed ECU Avg Rtn Major Overall Avg 60 hrs @ Sr College completed Major ECU Avg Minor Overall Avg HS Curricular Req met not met Minor ECU Avg Minor ECU Avg Minor ECU Avg HS Curricular Req met not met Minor ECU Avg		Major (inc A/C and Related Work) Avg Minor (incl Rel Wk) Prof Educ General Educ not met Comp Prof met not met			
	REQUIREMENTS HO	<u>URS</u>	REQUIREMENTS HOURS		
I.	General Education (45 HOURS) 11 hours (BIOL 1214 or1314, CHEM 1114, a counted in the Major Other hours needed	and MATH 1513) 34	 C. Recommended Molecular Biology Electives Choose from the following: BIOL 2184 Human Anatomy BIOL 3245 Comparative Vertebrate Anatomy BIOL 3654 Histology 		
II.	Major in Molecular Biology	43	CHEM 4114 Organic Chemistry IICHEM 4213 Biochemistry		
	 A. Required General Education BIOL 1214 General Botany OR BIOL 1314 General Zoology B. Required in the Molecular Biology Co 	4 oncentration 33	 CHEM 4221 Biochemistry Lab EHS 3114 Epidemiology MATH 2825 Calc and Analy Geom I PHYS 1214 General Physics II PHYS 3322 Medical Physics 		
	BIOL 2243 Introduction to Biotechnology BIOL 2345 General Microbiology BIOL 3434 Genetics BIOL 3553 Genomics and Bioinformatics BIOL 3634 Human Physiology BIOL 4313 Cell and Molecular Biology BIOL 4545 Advanced Molecular Biology BIOL 4765 Molecular Genetics		 IV. Minor (Required) The minor with the Biology major may be selected by the student from minors whose majors lead to either BS or BA degrees. V. Electives VI. Total Hours Required 	16-21 1-6 124	
	BIOL 4881 Biology Senior Seminar		-	127	
	 C. Required Electives Select 6 hours from the following: BIOL 2773 Forensic Biology BIOL 3013 Research, Methods and Bioeth BIOL 3683 Immunology BIOL 4113 Vertebrate Embryology 		VII.Special Requirements The OSRHE computer proficiency graduation requirement will be met through completion of one of the courses in the institution's general education computer literacy option (including equated or substituted courses) or testing out of the challenge exam for one of these courses (all courses may not have challenge exams), OR successful completion of an associate of arts or associate of science degree at an Oklahoma two-year college in which the computer skills requirement was met.		
III.	Related Work A. Required General Education	25	Satisfaction of this requirement may not reduce or remorequirements.	ove any program	
	CHEM 1114 General Chemistry I MATH 1513 College Algebra B. Required Related Work CHEM 1214 General Chemistry II CHEM 3114 Organic Chemistry I PHYS 1114 General Physics I	12	Students beginning at East Central University in the fall 2007 sen have earned less than sixty-four semester hours are required to tak designated service-learning component. Students transferring to time in the fall 2007 semester or later with sixty-four or more sem required to take one class with a service-learning component.	te two classes with ECU for the first	
_	Choose one of the following: EHS 3703 Biostatistics and Environ Calc				
	MATH 2213 Intro to Probability and Statist SOC 3833 Statistics for Social Sciences Choose one of the following: MATH 1713 Trigonometry MATH 3583 Applied Statistics	3	MINOR	-	