## EAST CENTRAL UNIVERSITY BIOLOGY - B.S. MOLECULAR BIOLOGY CONCENTRATION 0049/UG09-UG12

	0049/UG09-UG12		Advisor	
Student's Name DEGREE CHECK INCLUDES CURREN				ID No
Checked by Date Required: 124 total hours completed 30 hrs @ ECU completed (15 of last 30 must be at ECU) 60 hrs @ Sr College completed 40 hrs upper level completed HS Curricular Req met not met	Work in progress 2.0 minimum required areas: ECU Avg Rtr Major Overall Avg Major ECU Avg Minor Overall Avg Minor ECU Avg	d in the following	Work lacking: Major (inc A/C Minor (incl Rel Prof Educ General Educ Comp Prof met _	and Related Work) Wk) not met
<u>REQUIREMENTS</u> <u>H</u>	IOURS		REQUIREMENTS	HOURS
I. General Education (45 HOURS) 11 hours (BIOL 1214 or1314, CHEM 1114 counted in the Major Other hours needed	4, and MATH 1513) <b>34</b>	Choose from t BIOL 2184	Human Anatomy Comparative Vertebrate A	
II. Major in Molecular Biology	43	CHEM 4114 CHEM 4213	Organic Chemistry II Biochemistry	
<ul> <li>A. Required General Education</li> <li>BIOL 1214 General Botany OR</li> <li>BIOL 1314 General Zoology</li> <li>B. Required in the Molecular Biology</li> <li>BIOL 2243 Introduction to Biotechnology</li> </ul>		EHS 3114 MATH 2825 PHYS 1214	Biochemistry Lab Epidemiology Calc and Analy Geom I General Physics II Medical Physics	
<ul> <li>BIOL 2345 General Microbiology</li> <li>BIOL 3434 Genetics</li> <li>BIOL 3553 Genomics and Bioinformation</li> <li>BIOL 3634 Human Physiology</li> <li>BIOL 4313 Cell and Molecular Biology</li> <li>BIOL 4545 Advanced Molecular Biology</li> </ul>	ics V		h the Biology major may b om minors whose majors le	
BIOL4765 Molecular Genetics BIOL4881 Biology Senior Seminar		VI. Total Hours	-	124
<ul> <li>C. Required Electives</li> <li>Select 6 hours from the following:</li> <li>BIOL 2773 Forensic Biology</li> <li>BIOL 3013 Research, Methods and Bio</li> <li>BIOL 3683 Immunology</li> <li>BIOL 4113 Vertebrate Embryology</li> </ul>		The OSRHE compu completion of one o literacy option (incl challenge exam for or <u>OR</u> successful compl	ds" courses do not count in the ter proficiency graduation re f the courses in the institution uding equated or substituted ne of these courses (all course etion of an associate of arts on	equirement will be met through on's general education computer 1 courses) or testing out of the s may not have challenge exams), r associate of science degree at an
III. Related Work A. Required General Education CHEM 1114 General Chemistry I MATH 1513 College Algebra	25 7	Satisfaction of this requirements.	requirement may not rec	uter skills requirement was met. duce or remove any program
B. Required Related Work     CHEM 1214 General Chemistry II     CHEM 3114 Organic Chemistry I     PHYS 1114 General Physics I	12	have earned less than designated service-le time in the fall 2007	sixty-four semester hours are arning component. Students	the fall 2007 semester or later who required to take two classes with transferring to ECU for the first our or more semester hours will be component.
<ul> <li>Choose one of the following:</li> <li>EHS 3703 Biostatistics and Environ Ca</li> <li>MATH 2213 Intro to Probability and Stat</li> <li>SOC 3833 Statistics for Social Science Choose one of the following:</li> <li>MATH 1713 Trigonometry</li> </ul>	tistics	MINOR		
MATH 3583 Applied Statistics				

Name