

ADVISING WORKSHEET FOR BIOLOGY MAJORS (R. Goddard, Advisor)

Name: _____

Specialization: **OPTOMETRY**

Student Number: ____ - ____ - ____ Year Last Entered Biology Program: _____

<p><u>Core Area A: Essential Skills</u> <u>9 hours</u></p> <p>Engl 1101 ____ (3 hrs) Engl 1102 ____ (3 hrs)</p> <p>Math 1113 ____ (3 hrs)</p> <p>RGTR 0196 _____ RGTE 0197 _____</p>	<p><u>Core Area B: Perspectives</u> <u>4 hours</u></p> <p>PERS _____ Grade: _____ (2 hrs)</p> <p>PERS _____ Grade: _____ (2 hrs)</p>
<p><u>Core Area C: Humanities/Fine Arts</u> <u>6 Hours</u></p> <p>ENGL 2110/2120/2130/2140 _____ (3 hrs)</p> <p>Foreign Language Course (3 hrs):</p> <p>MCL 1001 ____, <u>OR</u></p> <p>MCL 1002 ____, <u>OR</u> MCL 1111 ____</p>	<p><u>Core Area D.II.a: Science, Mathematics & Technology</u> - <u>11 hours</u></p> <p><i>Mathematics: 3 hours</i></p> <p>MATH 2261 ____ (4 hrs; transfer 1 hr to upper 120 hrs)</p> <p><i>Science: 8 hours</i> <i>Strongly Recommended for Optometry specialization:</i></p> <p>PHYS 2211K ____ (4 hrs) PHYS 2212K ____ (4 hrs) These are calculus based courses!</p>
<p><u>Core Area E: Social Sciences</u> <u>12 Hours</u></p> <p>HIST 2111 ____ <u>OR</u> HIST 2112 ____ (3 hrs)</p> <p>POLS 1101 ____ (3 hrs)</p> <p><i>Required for Optometry Programs:</i> PSYC 2500 ____ (3 hrs)</p> <p>One of the following: (3 hrs)</p> <p>SOCI 1101 ____ (Recommended) SOCI 1160 ____ AFAM/WMST 2020 ____ ANTH 1102 ____ ECON1500 ____ GEOG 1101 ____ GEOG 1103 ____ GEOG 1102 ____ HIST 1011 ____ HIST 1012 ____ HIST 1013 POLS 1102 POLS 2401</p>	<p><u>Core Area F: Biology Major Courses</u> <u>18 Hours</u></p> <p>BIOL 2010 ____ (4 hrs) BIOL 2270 ____ (4 hrs)</p> <p>CHEM 1211 ____ (4 hrs) CHEM 1212 ____ (4 hrs)</p> <p>MCL 1002 ____ (3 hrs) <u>OR</u> MCL 2001 ____ (3 hrs) (one hour of MCL transfers to upper division credit)</p> <p><i>Not Recommended for Optometry but good for Gen.Bio.:</i> PHYS 1111 ____ (4 hrs) PHYS 1112 ____ (4 hrs) <i>Taken in place of majors Physics in Area D; Chem sequence counts in Area D if this Physics sequence is taken.</i></p>
<p><u>Upper Division Hours in the Biology Major</u></p> <p>Extra hour from Area D.II.a: Max.=1 ____ hr</p> <p>Extra hour from Area F: ____ hr</p> <p>Required Biology Courses: 21 Hours</p> <p>BIOL 2230 ____ (4 hrs) BIOL 3200 ____ (4 hrs)</p> <p>BIOL 3100 ____ (4 hrs) Genetics ^</p> <p>Microbiology ^</p> <p>BIOL 3450 ____ (4 hrs) (Vert.Phys.)</p> <p>BIOL 3300 ____ (4 hrs) (Ecol) BIOL 4900 ____ (1 hrs)</p> <p>Biology Electives (3000 and above) 11 Hours <i>Strongly Recommended for Optometry</i></p> <p>BIOL 4300 ____ (4 hrs) (Comp. Anatomy)</p> <p>BIOL 4500 ____ (4 hrs) (Cell Biology)</p> <p>Free Biology Elective - 3-4000 level</p> <p>BIOL ____ ____ (3 or 4 hrs)</p>	
<p>Required Upper Division Chemistry: 11 Hours</p> <p>CHEM 3401 ____ (4 hrs) CHEM 3402 ____ (4 hrs)</p> <p>CHEM 3601 ____ (3 hrs)</p> <p>Foreign Language: 3 Hours</p> <p>MCL 2001 ____ (3 hrs) <u>OR</u></p> <p>MCL 2002 ____ (3 hrs)</p> <p>Free Electives (Can be Biology courses) 12-13 Hours <i>Strongly Recommended for Optometry; Listed in order of importance</i></p> <p>BUSA 2100 or MATH 2620 ____ (3 hrs) (Statistics)</p> <p>MATH 2262 ____ (4 hrs) MATH 2263 ____ (4 hrs)</p> <p>PHYS 3100 ____ (3 hrs)(Optics)</p> <p>BVED 1100 ____ (3 hrs) (Business) BVED 4050 ____ (3 hrs)</p> <p>BVED 4070 ____ (3 hrs) Office Management^ and Office Applications<</p> <p>PSYC 2700 ____ (____ hrs) (Human Growth & Development)</p>	