

Oregon State University College of Science Graduation Checklist 2007-2008
General Science with Pre-Veterinary Medicine Option

Name _____ Student ID _____

BACCALAUREATE CORE REQUIREMENTS (48 credits + 3 credits WIC)

Courses which meet each requirement are listed in the *Sched. of Classes*, the *General Catalog* & <http://catalog.oregonstate.edu/bcc.aspx>.
 If only one course meets a requirement, it is listed below.

Skills Courses (15 cr + WIC):

- Writing I (3) WR 121
- Writing II (3) _____
- Writing III/Speech III (3) _____
- Mathematics (3) Fulfilled below
- Lifetime Fitness (2) HHS 231 or NFM 232
- Lifetime Fitness Lab (1) HHS 241-248
- ^Writing Intensive Course (3) Fulfilled below

- Biological Science (with lab) (4) Fulfilled below
- Second Phys. or Biol. Sci. (with lab) (4) Fulfilled below
- Western Culture (3) _____
- Cultural Diversity (3) _____
- Literature and the Arts (3) _____
- Social Processes and Institutions (3) _____
- Difference, Power, and Discrimination (3) _____

Perspectives Courses (27 cr):

No more than two courses from any one department may be used by a student to satisfy the Perspectives category:

- Physical Science (with lab) (4) Fulfilled below

Synthesis Courses (6 cr):

*The two courses used to fulfill the Synthesis requirements may **not** be in the same department.*

- Contemporary Global Issues (3) _____
- Science, Technology, & Society (3) _____

MAJOR & OPTION REQUIREMENTS: *Required science courses **may not** be taken on an S/U graded basis.*

- CH 221 General Chemistry (5 cr)
- CH 222 General Chemistry (5 cr)
- CH 223 General Chemistry (5 cr)
(or CH 121, CH 122, CH 123)
- CH 331 Organic Chemistry (4 cr)
- CH 332 Organic Chemistry (4 cr)
- CH 337 Organic Chem Lab (4 cr)
- BI 211 Principles of Biology (4 cr)
- BI 212 Principles of Biology (4 cr)
- BI 213 Principles of Biology (4 cr)
- BI 314 Cell and Molecular Biology (4 cr)
- MTH 251 Differential Calculus (4)
- ST 201 Prin of Statistics (3) **AND** ST 209 Prin of Hypothesis Testing (1) **OR** ST 211. Intro to Hypothesis Testing (1)
(**OR** ST 351. Intro. to Statistical Methods (4))
- Additional MTH, CS or ST (4) _____
- HSTS 415 ^Theory of Evolution and Foundation of Modern Biology (3) **OR**
HSTS 417 ^History of Medicine (3) **OR**
HSTS 419 ^Studies in Scientific Controversy: Method and Practice of (3) **OR**
HSTS 422 ^Historical Studies of Science and Politics (3) **OR**
HSTS 425 ^History of the Life Sciences (3)
- Z 331 Human Anat. & Physiology (3) **OR** Z 430 Principles of Physiology (4) **OR** Z 431 Vertebrate Physiology (4)
- Upper Division Biological Science (Must include one lab) (6) _____
Recommended: additional biochemistry, additional physiology and/or anatomy, animal reproduction, cell biology, cell physiology, epidemiology, histology, immunology, microbiology, parasitology, or virology (does not include Z 410)
- Other UD science to total 38 credits (Including CH, BB, etc.) _____
- BI 311 Genetics (4 cr)
- BB 450 General Biochemistry (4 cr)
- BB 451 General Biochemistry (3 cr)
- PH 201 General Physics (5 cr)
- PH 202 General Physics (5 cr)
- PH 203 General Physics (5 cr)
- VMB 110 PreVeterinary Med (1) Recommended
- ANS 121 Intro Animal Science (4) Recommended
- ANS 311 Animal Nutrition (3)
- Z 410 Occup'l Internship (1-16) Highly Recommended

SUMMARY OF REQUIREMENTS:

____ 180 credits total ____ 60 UD ____ 38 UD science ____ 2.0 GPA overall and in major
 ____ 2 yrs. high school foreign language or 2 terms at university