B.S. BIOLOGY: GRADUATION CHECKLIST - Molecular Biology Concentration **2/2011**

B.S. BIOLOGY (128-132 credits) NAME: _____

I. COLLEGE CORE (13 courses; 39 cr)

Le Moyne Hrs ____ Courses _____

Transfer Hrs ____ Courses _____

Total Hrs ____ Courses _____

AVS ____

ENG 102	__3 credits
ENG 200	__3 credits
ENG 300	__3 credits
ENG 400-440 or HST 400-420	__3 credits
PHL 101	__3 credits
PHL 201	__3 credits
PHL 301-303	__3 credits
PHL 400-419 or REL 400-419	__3 credits
REL 200	__3 credits
REL 300-399	__3 credits
HST 101/103	__3 credits
HST 102/104	__3 credits
Social Science	__3 credits
Natural Science (BIO 191)	__4 credits

II. MAJOR REQUIREMENTS

Biology (10 courses; 37-39 credits) A minimum of 8 courses must be classroom courses (as opposed to research), and at least 5 Biology courses must be taken at Le Moyne College.

BIO 191	__4 credits, fulfills Nat. Sci. core requirement
BIO 192	__4 credits
BIO 218 (Cell & Molec.)	__4 credits
BIO 225 (Poison.Planet)	__3 credits

6 additional Biology courses, at least one taken from each of the areas listed below; at least two taken from outside the groups. At least 4 of these courses must have lab components (i.e. be 4 credit courses)

Ecol/Popul Bio ____	__4 credits
Biol Diversity ____	__4 credits
BIO 460, 462 (Biochem I + lab)	__4 credits
BIO 461 (Biochem II)	__3 credits
BIO 418 (Adv. Molecular Bio)	__4 credits
BIO ___	__ credits

Ecology and Population Biology
BIO 230: General Ecology
BIO 245: Evolution (recommended)
BIO 320: Genetics (recommended)
BIO 360: Insect Ecology
BIO 427: Bioinformatics (recommended)

Biological Diversity
BIO 325: Microbiology (recommended)
BIO 327: Botany
BIO 330: Tropical Marine Biology
BIO 340: Parasitology
BIO 350: Invertebrate Biology

Math-Science Distribution (10 courses; 37-39 cr)

CHM 151-152	__ __8 credits
CHM 223-224	__ __8 credits
PHY101-102 or 105-106 (+ labs)	__ __8 credits
MTH 110/111-112	__ __6-7 credits
Language (2 sem same lang)	__ credits
or MTH 145-146	__ credits

III. ELECTIVES (4 courses minimum, 7 possible; 15 cr)

_____	__3 credits	_____	__3 credits
_____	__3 credits	_____	__3 credits
_____	__3 credits	_____	__3 credits
_____	__3 credits		