B.S. BIOLOGICAL SCIENCES: GRADUATION CHECKLIST- Health Professions Concentration **2/2011**

B.S. BIOLOGICAL SCIENCES (128—132 credits)

NAME _____

Le Moyne Hrs _____ Courses _____

Transfer Hrs _____ Courses _____

Total Hrs _____ Courses _____

AVS __

I. COLLEGE CORE (13 courses; 39 credits)

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 one course from the HP group must be a lab course (4 cr).** At least 4 of these 6 courses must have lab components (i.e. be 4 credit courses)

Ecol/Popul Bio _____	__4 credits
Biol Diversity _____	__4 credits
BIO (HP) _____	__4 credits*
BIO (HP) _____	__3-4 credits
BIO _____	__ 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

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

Health Professions Concentration (HP)
BIO 281: Anatomy & Physiology (A&P) I
BIO 282: A&P II
BIO 321: Developmental Biology
BIO 322: Histology
BIO 375: Neurobiology
BIO 405: Endocrinology
BIO 410: Toxicology
BIO 431: Mammalian Physiology
BIO 475: Stem Cells
BIO 480: Seminar - Cancer
BIO 481: Seminar – Endocrine Disruptors

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 (5 courses minimum; 15 credits required)

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

* At least one HP course must be a lab course.