

APPENDIX B

Decisions regarding coursework in an academic major are based upon on student's academic record, performance on the Massachusetts Tests for Educator Licensure (MTEL), previous college coursework, or other related professional experience reflective of the student having met state and national standards.

BIOLOGY, 8-12, LICENSURE

ACADEMIC SUBJECT AREA COURSEWORK

Recommended course distribution:

Group A - Environmental

BIOL0201 General Ecology

Group B - Cellular/Molecular

BIOL0203 Genetics I and one of the following:
BIOL0205 Cell Biology (preferred), BIOL0223 Microbiology

Group C - Organismal

BIOL0211 Plant Biology
BIOL0237 Human Anatomy & Physiology I
BIOL0230 Evolution
CHEM0109 General Chemistry I
CHEM0111 General Chemistry II
BIOL0289 Biology Seminar: History and Nature of Scientific Knowledge (1 cr)

BUSINESS, 5-12, LICENSURE

ACADEMIC SUBJECT AREA COURSEWORK

Business Core

MGMT0104 Principles of Accounting I
MGMT0105 Principles of Accounting II
MGMT0107 Software Application in Management
MGMT0207 Financial Management
MGMT0220 Production/Operations Management
MGMT0221 Business Management
MGMT0231 Marketing Management
MGMT0241 Business Law
MGMT0250 Quantitative Approach to Business Decisions
MGMT0325 Business Policy and Strategy
MGMT0338 International Business

Non-Business Required Courses

ECON0101 Principles of Macroeconomics
ECON0102 Principles of Microeconomics
ENGL0103 Speech
ENGL0392 Business and Technical Writing
MATH0115 Math for Business and Social Science
MATH0108 Elementary Statistics

Concentration in Management

MGMT0301 Labor Relations
MGMT0308 Organ Devel & Behavior
MGMT0321 Management Info Systems
MGMT03__ 300 level management elective
MGMT03__ 300 level management elective

CHEMISTRY, 8-12, LICENSURE

ACADEMIC SUBJECT AREA COURSEWORK

MATH0105 Calculus I
MATH0106 Calculus II
PHYS0119 Physics I and Lab
PHYS0121 Physics II and Lab
CHEM0109 General Chemistry I with Lab
CHEM0111 General Chemistry II with Lab
CHEM0201 Organic Chemistry I with Lab
CHEM0203 Organic Chemistry II with Lab
CHEM0211 Advanced Inorganic Chemistry
3 credits from approved advanced science courses

CHEM0305 Physical Chemistry
CHEM0307 Physical Chemistry II with Lab
CHEM0311 Instrumental Analysis with Lab
CHEM0313 Biochemistry
CHEM0350 Theoretical or Experimental Research
CHEM0383 Senior Seminar in Chemistry(1cr)
GNSC0239 Current Topics in Science Seminar
GNSC0330 Science, Technology & Society