**Agricultural Engineering**

* machine design
* soil & water
* resource management
* plant & animal biology
* food production

# Biochemistry & Molecular Biology

# structure and relationship of biomolecules

# information transfer from gene to protein

# regulation of biochemical processes

# molecular genetics in health and disease

# receptor interactions

# research methods

**Engineering Design, Technology & Professional Programs**

* graphics
* spatial analysis and modeling
* computer software programs
* integration
* sustainability
* communication skills

**Forest Resources**

* sustainable forest management
* genetics & breeding issues
* ecological systems
* environmental factors
* wood properties and manufacturing
* wildlife science

# Marketing

# team building & collaborative skills

# creativity and innovation

# ethical reasoning

# communication skills

# consumer behavior

# advertising strategies

# Music/Voice

* basic musicianship
* applied proficiency
* historical understanding
* technical aspects
* theoretical competence

**Nursing**

* care throughout the lifespan
* anatomy and physiology
* pathophysiology
* ethics
* pharmacokinetics and pharmacodynamics
* clinical experience

**Plant Pathology**

* plant disease causes
* biological control
* pest management
* sustainable practices
* plant genetics and breeding

**Chemistry**

* atomic theory
* quantitative experimentation
* organic and inorganic chemistry
* thermodynamics
* kinetics
* research methods

**Sociology**

* social structures
* social inequality
* social institutions
* culture (and subcultures)
* ideology
* social construction

**Spanish**

* grammar & vocabulary
* oral expression
* aural comprehension
* writing proficiency
* language origins
* cultural understanding
* literature

**Theatre Arts**

* art of theatre
* theory of theatre
* theatre literature
* theatre technology
* applied performance