

CENTENARY UNIVERSITY
B.S. IN EQUINE SCIENCE
RECOMMENDED FOUR-YEAR SEQUENCE
2023-2024

Course #	Title	Prerequisite	Credits	Completed
<u>YEAR 1 (FALL)</u>				
[Dept] 1105	Broad, Enduring Interest		4	_____
EST 1205	Nature of Work in the Equine Industry		2	_____
LAS 1305	Wellness		2	_____
WRI 1001/1002	Composition & Rhetoric I or Composition & Rhetoric II		4	_____
EST 1010	Practical Horse Management I		4	_____
EST _____	Riding Skills or Elective		2	_____
<u>YEAR 1 (SPRING)</u>				
MTH 1600/1111	Pre-Calculus** or Quantitative Literacy (STEM Engagement)		4	_____
WRI 1002/2012	Composition & Rhetoric II or Advanced Composition		4	_____
EST 1011	Fundamental Theories of Riding		4	_____
EST 1012	Practical Horse Management II		4	_____
<u>YEAR 2 (FALL)</u>				
BIO 1301/1101	General Biology I & Lab (STEM Engagement)		4	_____
Culture & Soc	Social & Community Responsibility		4	_____
EST 2010	Basic Concepts of Training the Horse		4	_____
EST 2012	Equine Health I		4	_____
EST _____	Riding Skills or Elective		2	_____
<u>YEAR 2 (SPRING)</u>				
BIO 1302/1102	General Biology II	BIO 1301 (≥C-)	4	_____
Culture & Soc	Cultural Understanding in a Global Context		4	_____
EST 2011	Equine Facilities Management		4	_____
EST 3010	Equine Health II		4	_____
<u>YEAR 3 (FALL)</u>				
CHM 1302 & 1102/1301 & 1101	General Chemistry I & Lab*** or Basic Chemistry & Lab		4	_____
COM 2001	Public Speaking		4	_____
EST _____	Riding Skills or Elective		2	_____
ELECTIVE	Elective		4	_____
<u>YEAR 3 (SPRING)</u>				
Culture & Soc	Creative Expression & Creative Self		4	_____
BIO 3303/3103	Animal Physiology and Behavior & Lab		4	_____
CHM 1303/1103	General Chemistry II (Rec.) & Lab		4	_____
EST 2100	Equine Veterinary Experience		2	_____
<u>YEAR 4 (FALL)</u>				
EST 4024	Equine Musculoskeletal System I		4	_____
EST 4030	Equine Studies Seminar*		4	_____
EST _____	Riding Skills or Elective		2	_____
ELECTIVE	Elective		2	_____
<u>YEAR 4 (SPRING)</u>				
EST 3012	Equine Nutrition		4	_____
EST 4200	Applied Musculoskeletal Therapies		4	_____
EST 4015	Breeding Management		2	_____
ELECTIVE	Elective		2	_____
Total			120	

*EST4030 may be taken in either the Fall or Spring.

**Math placement test required, see Note #7 on the Audit Worksheet.

***Chemistry placement test required, MTH 1600 is a pre-req or a co-req. See Note #7 on the Audit Worksheet.

B.S. EQUINE SCIENCE

DEGREE AUDIT WORKSHEET

2023-2024

STUDENT NAME: _____

DATE: _____

UNIVERSITY CORE REQUIREMENTS (40 CR) GRADE

Academic Foundations (8 Credits)

[Dept] 1105 Broad, Enduring Interest	4CR	_____
EST 1205 Nature of Work in the Equine Industry	2CR	_____
LAS1305 Wellness	2CR	_____

Communication (12 Credits)

(Written Communication requires C- or better)

WRI1001 Composition & Rhetoric I -or- WRI1002 Composition & Rhetoric II	4CR	_____
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WRI1002 Composition & Rhetoric II -or- WRI2012 Advanced Composition	4CR	_____
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COM2001 Public Speaking	4CR	_____
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STEM Engagement (8 Credits)

BIO1301/1101 General Biology I & Lab	4CR	_____
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MTH1600 Pre-Calculus -or- MTH1111 Quantitative Literacy	4CR	_____
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Culture & Society (12 Credits)

_____	4CR	_____
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Cultural Understanding in a Global Context

_____	4CR	_____
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Social & Community Responsibility

_____	4CR	_____
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Creative Expression & Creative Self

Electives (12 Credits)

Riding Skills classes are recommended to fulfill free electives but students may choose electives from any discipline, career or liberal arts.

CHM 1303/1103 (Rec.)	4CR	_____
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_____	2CR	_____
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_____	4CR	_____
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_____	2CR	_____
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Equine Science Major Requirements (56 Credits)

EST1010 PRACTICAL HORSE MGMT 14CR _____

EST1011 FUND. THEORIES OF RIDING 4CR _____

EST1012 PRACTICAL HORSE MGMT II 4CR _____

EST2010 BASIC CONCEPTS OF TRAINING
THE HORSE 4CR _____

EST2011 EQUINE FACILITIES MGMT 4CR _____

EST2012 EQUINE HEALTH I 4CR _____

Est 2100 EQUINE VETERINARY EXPC. 2CR _____

EST3010 EQUINE HEALTH II 4CR _____

EST3012 EQUINE NUTRITION 4CR _____

EST4015 BREEDING MANAGEMENT 2CR _____

EST4024 EQUINE MUSCULOSKELETAL
SYSTEM I 4CR _____

EST4200 APPLIED MUSCULOSKELETAL
THERAPIES 4CR _____

EST4030 EQUINE STUDIES SEMINAR 4CR _____

ELECTIVE -or- _____

EST _____ RIDING SKILLS 2CR _____

ELECTIVE -or- _____

EST _____ RIDING SKILLS 2CR _____

ELECTIVE -or- _____

EST _____ RIDING SKILLS 2CR _____

ELECTIVE -or- _____

EST _____ RIDING SKILLS 2CR _____

Science Requirements (12 Credits)

BIO1302 GENERAL BIOLOGY II 3CR _____

BIO1102 General BIOLOGY II LAB 1CR _____

BIO3303 ANIMAL PHYSIOLOGY AND
BEHAVIOR 3CR _____

BIO3103 ANIMAL PHYSIOLOGY AND
BEHAVIOR LAB 1CR _____

CHM1302 GENERAL CHEMISTRY I &

CHM1102 GENERAL CHEMISTRY I LAB
-or-

CHM11301 BASIC CHEMISTRY &

CHM1101 BASIC CHEMISTRY LAB 4CR _____

TOTAL NUMBER OF CREDITS: 120

Notes:

- To earn a Bachelor degree, all graduates must successfully complete a minimum of 120 credit hours.
- Minimum of 30 credits must be taken at Centenary University.
- All graduates must have a minimum cumulative grade point average of 2.0 or above.
- All graduates must have a minimum of 2.0 GPA in their major(s).
- Courses that are listed as special topic, typically ending with a 99, are repeatable. These courses are counted multiple times and do not replace grades of the previous special topic course.
- Credits can be shared between the core and the major, or between the core and minor. But credits cannot be shared *within* the core: a particular course can count only once within the core.
- Students pursuing a graduate education in the sciences and biomedical sciences should consider, but are not restricted to, taking MTH1600 Pre-Calculus and CHM1100 General Chemistry. Students who are not pursuing a graduate education can substitute these courses with MTH1111 Quantitative Literacy and CHM1050 Basic Chemistry.
- Students pursuing a graduate education in the sciences and biomedical sciences should consider, but are not restricted to, the following electives: BIO3100 Genetics; BIO3200 Comparative Vertebrate Anatomy; COM2001 Public Speaking; MTH1501 Statistics I, MTH2151 Calculus I.
- If a student chooses the Non-Riding Option, Riding Skills classes convert to Equine Electives