

**Current 2+2**

**1st Fall**

<b>Course</b>	<b>Title</b>	<b>Cr</b>
ACC 1020	Survey of Accounting	3
AGR 1011	Agricultural Techn I	2
AGR 1050	Livestock Production	3
CIS 1080	Intro to Sprsht & Db Mgt	2
ENG 10XX	English	3

**Select one:**

MAT 1210	Principles of Math	3
MAT 1221	Finite Math	3
MAT 1420	Tech Math	5

**1st Spring**

<b>Course</b>	<b>Title</b>	<b>Cr</b>
AGR 1030	Animal Repro & Genetics	3
AGR 2030	Animal Nutrition	4
ENG 2080	Technical Comm	3
LAH 1050	Intro to Soils	4
ELE XXXX	AH/SS Elective	3

**2nd Fall**

<b>Course</b>	<b>Title</b>	<b>Cr</b>
AGR 2011	Dairy Herd Mgt I	4
AGR 2040	Forage Production	3
BUS 2260	Prin Financial Mgt	3
SSC 2720	Social Ecology of Food	3
CHE 1031	General Chem	4

**2nd Spring**

<b>Course</b>	<b>Title</b>	<b>Cr</b>
AGR 2012	Dairy Farm Mgmt II	1
AGR 2050	Large Animal Diseases	3
BUS 2210	Small Business Mgmt	3
BUS 2230	Principles of Marktnng	3
ELE XXXX	AH/SS Elective	3

**3rd Fall**

BIOL 001	Principles of Biology	4
CDAE 002	World Populat, Food +	3
CDAE 157	Consumer Law	3
ASCI 122	Animals in Society	3
Elective		3

**3rd spring**

ASCI 234	Advanced Dairy Mgmt Miner	15
CDAE 175	Farm Credit Internship	1

**4th Fall**

CDAE 267	Strategic Planning	4
ASCI 254	Dairy Mgmt Senior Proj	4
D1	Elective	3
ASCI 264	Clinical Topics: Large Animal	3

**4th Spring**

ASCI 141	Animal Anatomy and Phys	4
CHEM 026 C	Organic and Biochemistry	4
CDAE 208	Ag Policy and Ethics	3
ASCI 220	Lactation Physiology OR	
ASCI 231	Advanced Ruminant Nutrition	3

DAIRY TRACK, BACHELOR OF SCIENCE in ANIMAL SCIENCE

Community Entrepreneurship Minor

**Fall Semester - First Year**

ASCI 001 Introduction to Animal Science	4 credits
CHEM023 General Chemistry	4 credits
CDAE 061 Principles of Community Develop	3 credits
CALS 002 Foundations: Communication Methor	3 Credits
CDAE 002 World Food, Population and Develop	3 credits

TOTAL CREDITS: 17 Credits

**Spring Semester - First Year**

BIOL 002 Principles of Biology	4 credits
CHEM 026 Organic and Biochemistry	4 credits
ASCI 118 Animal Health	3 Credits
CALS 002 Foundations: Information Technology	3 credits
Math 009 or 019 Algebra or Calculus	3 credits

17 credits

**Fall Semester - Second Year**

BIOL 001 Principles of Biology	4 credits
ASCI 110 Animal Nutrition, Metabol and Feed	4 credits
ASCI 181 Career Seminar	1 credit
CDAE 166 Introduction to Community Entrepr	3 credits
D1	3 credits

TOTAL CREDITS: 15 credits

**Spring Semester - Second Year**

ASCI 141 Animal Anatomy and physiology	4 credits
ASCI 168 Animal Genetics	3 credits
ENGS 001 Written Expressions	3 credits
CDAE 168 Marketing	3 credits
ASCI 134 CREAM	4 credits

17 credits

**Fall Semester - Third Year**

ASCI 156 Dairy Management Seminar	2 credits
PSS 161 Fundamentals of Soil Science	4 credits
ASCI 135 CREAM	4 credits
CDAE 167 Financial Management	3 credits
ASCI 122 Animals in Society	3 credits

TOTAL CREDITS 16 credits

**Spring Semester - Third Year**

CDAE 234 Miner Institute	15 credits
CDAE 175 Farm Credit Internship	1 credit

16 credits

**Fall Semester - Fourth Year**

ASCI 156 Dairy Management Seminar	2 credits
ASCI 262 Clinical Topics: Large Animals	3 credits
PSS 143 Forages	3 credits
ASCI 267 Stategic Planning	4 credits
ASCI 195 Internship	3 credits

TOTAL CREDITS: 15 credits

**Spring Semester - Fourth Year**

ASCI 215 Animal Reproductions	3 credits
ASCI 192 Special Topics: AI	1 credit
ASCI 220 Lactation Physiology or	
ASCI 231 Advanced Ruminant Nutrition	3 credits
CDAE 208 Ag Policy and Ethics	3 credits
ASCI 252 Senior Dairy Management Project	4 credits
CDAE 157 Consumer Law and Policy	3 credits

17 credits

## UVM to VTC

### First year | Fall UVM

ASCI 001 Intro to Animal Science	4 credits
BIOL 001 Principles of Biology	4 credits
ENGL 001 Written Expressions	3 credits
CALS 001 Communication Methods	3 credits
ASCI 156 Dairy Management Seminar	2 credits
	16 credits

### First Year Spring UVM

BIOL 002 Principles of Biology	4 credits
CHEM 023 General Chemistry	4 credits
CDAE 002 Information Technology	3 credits
ASCI 135 CREAM	4 credits
	15 credits

### Second Year Fall UVM

ASCI 122 Animals in Society	3 credits
ASCI 110 A Animal Nutrition, Metab anc	4 credits
ASCI 135 CREAM	4 credits
D2 CDAE 002 World Food, Population	3 credits
ASCI 156 Dairy Management Seminar	2 credits
	16 credits

### Second Year Spring UVM

ASCI 168 Animal Genetics	3 credits
ASCI 215 Animal Reproduction	3 credits
CHEM 026 Organic and Biochem	4 credits
ASCI 191 Special Topics :AI	1 credit
D1 CDAE 095 US Food Equality and Di	3 credits
Elective Humanities, Fine arts	3 credits
	16 credits

### Third Year Fall VTC

AGR 2011 Dairy Management I	4 credits
AGR 2040 Forage Production	3 credits
ACC 1020 Survey of Accounting	3 credits
AGR 1011 Agricultural Technician I	2 credits
Elective humanities, history, English	3 credits
	15 credits

### Third Year Spring VTC

AGR 2012 Dairy Managemrnt II	4 credits
BUS 2230 Principle of Marketing	3 credits
Vet 1020 Anatomy and Physiology	4 credits
AGR 2050 Large Animal Diseases	4 credits
AGR 1012 Agricultural Techniques	2 credits
	17 credits

### Fourth Year Fall VTC

AGR 2020 Farm Buildings	2 credits
AGR 2040 Forage Production	3 credits
AGR 2720 Issues and Trends in Agricultu	2 credits
BUS 2260 Principles of Financial Mgmt	3 credits
Electives - internship, special problem, etc.	6 credits
	16 credits

### Fourth Year Spring W H Miner Institute

Senior capstone ASCI 234 at Miner In	15 credits
statistics, advanced nutrition requirer	
CDAE 175 f Farm Credit Fellowship	1 credit
	16 credits

**Total 127 credits**

**ASS in Dairy Farm Management Technology from VTC**

**BS in Animal Science, Dairy Management Concentration, UVM**

**All VTC**

<b>1st Fall</b>			<b>1st Spring</b>		
<b>Course</b>	<b>Title</b>	<b>Cr</b>	<b>Course</b>	<b>Title</b>	<b>Cr</b>
ACC 1020	Survey of Accounting	3	AGR 1030	Animal Repro & Genetics	3
AGR 1011	Agricultural Techn I	2	AGR 2030	Animal Nutrition	4
AGR 1050	Livestock Production	3	ENG 2080	Technical Comm	3
CIS 1080	Intro to Sprsht & Db Mgt	2	LAH 1050	Intro to Soils	4
ENG 10XX	English	3	ELE XXXX	AH/SS Elective	3
<b>Select one:</b>					
MAT 1210	Principles of Math	3			
MAT 1221	Finite Math	3			
MAT 1420	Tech Math	5			
<b>2nd Fall</b>			<b>2nd Spring</b>		
<b>Course</b>	<b>Title</b>	<b>Cr</b>	<b>Course</b>	<b>Title</b>	<b>Cr</b>
AGR 2011	Dairy Herd Mgt I	4	AGR 2012	Dairy Farm Mgmt II	1
AGR 2040	Forage Production	3	AGR 2050	Large Animal Diseases	3
BUS 2260	Prin Financial Mgt	3	BUS 2210	Small Business Mgmt	3
SSC 2720	Social Ecology of Food	3	ELE XXXX	AH/SS Elective	3
CHE 1031	General Chemistry I	4	BUS 2230	Principles of Marketing	3
			<b>or</b>		
			CHE 2260	Organic Chemistry	4
			MAT 2021	Statistics	3
<b>3rd Fall</b>			<b>3rd Spring</b>		
<b>Course</b>	<b>Title</b>	<b>Cr</b>	<b>Course</b>	<b>Title</b>	<b>Cr</b>
LAH 1020	Intro to Hort	3	AGR 3050	Adv Nutrient Management	3
ELE 2XXX	AH/SS Elective	3	AGR 3111	Veg & Fruit Production I	3
AGR 3030	Adv Dairy Nutrition	3	BIO1220	Botany	3
			BUS 2410	Human Resource MGT	3
AGR xxxx	Tech Electives	6	BUS 2230	Principles of Marketing	3
			<b>or</b>		
			CHE 2060	Organic Chemistry	4
<b>4th Fall</b>			<b>4th Spring</b>		
<b>Course</b>	<b>Title</b>	<b>Cr</b>	<b>Course</b>	<b>Title</b>	<b>Cr</b>
AGR 4040	Agricultural Products	3	Miner Instit	Miner dairy semseter	12
AGR 4802	Internship Review	1			
ELE 3XXX	Upr Lvl AH/SS Elective	3			
AGR xxxx	Tech Electives	9			

**Possible Technical Electives at Vermont Tech**

<b>Course</b>	<b>Title</b>	<b>Cr</b>
AGR 1061	Burls to Boards	3
MEC 1020	Manufacturing Processes	2
MEC 1080	Mig welding	3
MEC 1090	Tig welding	2
AGR 2060	Beef Production	3
AGR 2110	Sheep Production	2
AGR 3020	Advanced Livestock	3
AGR 3030	Advanced Dairy Nutritior	3
AGR 3040	Maple Production	3
AGR 3110	Apples, Berries, Bees	3
DSL 1010	Steering and Suspension	3
DSL 1020	Diesel Power Systems	4
DSL 1040	Diesel Electronics	4
DSL 1050	Preventative Maintenanc	3
Work force development electives		
	Cheesemaking	2
	Brewing	2
	Distilling	2
	Maple Pipeline Installatio	1
	Wildcrafting	2
	Mushroom Gathering	2
	Digester operations	1