



2015-2016 PETITION/PROGRAM SHEET
Degree: Associate of Applied Science
Major: Sustainable Agriculture

About This Major . . .

The Sustainable Agriculture curriculum is designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. Students learn the fundamentals of sustainable agriculture, focusing on crop and animal production with farm business. Emphasis is placed on entrepreneurial and practical field training. Students will complete a business plan and an agricultural internship in marketing and farming. Graduates are qualified for employment in a variety of positions associated with sustainable agriculture, including horticultural and livestock operations, wholesale and retail management, nursery operations, and environmental and agricultural education.

This program will provide the student with an understanding of Sustainable Agriculture and its principles of operation and control. The graduate will understand the technical aspects of the work, the responsibilities of the work and the importance of safety in this vitally important career.

All CMU associate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Apply business communication using listening, verbal and written and electronic forms that are needed for entry level employment. (Communication Fluency)
2. Apply mathematical and applied physics concepts for industry to meet employment requirements. (Quantitative Fluency)
3. Research, evaluate, synthesize and apply information/data relevant to business, sciences and technical careers. (Critical Thinking)
4. Demonstrate knowledge of terminology, symbols, business practices, and principles and application of technical skills. (Specialized Knowledge)
5. Perform the necessary applied skill sets to fulfill the needs of entry level employment. (Applied Learning)

NAME: _____ **STUDENT ID #:** _____

LOCAL ADDRESS AND PHONE NUMBER: _____
 _____ () _____

I, (Signature) _____, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I have read and understand the policies listed on the last page of this program sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

 Signature of Advisor Date _____ 20____

 Signature of Department Head Date _____ 20____

 Signature of Registrar Date _____ 20____

DEGREE REQUIREMENTS:

- Minimum of 60 hours total (A minimum of 16 taken at CMU in no fewer than two semesters)
- 2.00 cumulative GPA or higher in all CMU coursework
- A grade of "C" or higher must be achieved in coursework toward major content area.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Program sheets are for advising purposes only. Because a program may have requirements specific to the degree, check with your advisor for additional guidelines, including prerequisites, grade point averages, grades, exit examinations, and other expectations. It is the student's responsibility to be aware of, and follow, all guidelines for the degree being pursued. Any exceptions or substitutions must be approved by the faculty advisor and/or Department Head. Courses related to teacher licensure must also be approved by the Teacher Education Dept.
- When filling out the program sheet a course can be used only once.
- See the "Undergraduate Graduation Requirements" in the catalog for additional graduation information.

ESSENTIAL LEARNING REQUIREMENTS (15 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is on the Essential Learning list of options and a requirement for your major, you must use it to fulfill the major requirement and make a different selection within the Essential Learning requirement. The Essential Learning capstone course and co-requisite Essential Speech course (required for bachelor's degrees) cannot be used as options for the below requirements.

Course No	Title	Sem.hrs	Grade	Term
English (6 semester hours)				
ENGL 111	English Composition	3	_____	_____
ENGL 112	English Composition	3	_____	_____
Math: MATH 108 or higher (3 semester hours)				
MATH 1__	_____	3	_____	_____
Social Sciences, Natural Science, Fine Arts, or Humanities (6 semester hours)				
_____	_____	3	_____	_____
_____	_____	3	_____	_____

Course No	Title	Sem.hrs	Grade	Term
WELLNESS REQUIREMENT (2 semester hours)				
KINE 100	Health and Wellness	1	_____	_____
KINA 1__	_____	1	_____	_____

ASSOCIATE OF APPLIED SCIENCE: COURSE REQUIREMENTS

(44 semester hours)

Agriculture Courses (28 semester hours)

AGRS 100	Practical Crop Production	3	_____	_____
AGRS 100L	Practical Crop Production Lab	1	_____	_____
AGRS 102	Agriculture Economics	3	_____	_____
AGRS 105	Animal Science	3	_____	_____
AGRS 125	Agricultural Machinery	3	_____	_____
AGRS 205	Farm/Ranch Management	3	_____	_____
AGRS 210	Agricultural Marketing	3	_____	_____
AGRS 240	Intro Soil Science	3	_____	_____
AGRS 240L	Intro Soil Science Lab	1	_____	_____
AGRS 293	Cooperative Experience	5	_____	_____

Restricted Electives (select min. of 9 semester hours – see recommended advising tracks)

ACCT 201	Prin of Financial Accting	3	_____	_____
AGRS 103	Intro to Entomology	2	_____	_____
AGRS 103L	Intro to Entomology Lab	1	_____	_____
AGRS 110	Integrated Pest Management	3	_____	_____
AGRS 118	Farm Structures/Green Houses	3	_____	_____
AGRS 208	Agricultural Finance	3	_____	_____
AGRS 224	Integrated Ranch Management	3	_____	_____
AGRS 225	Feeds and Feeding	4	_____	_____
AGRS 230	Farm Animal Anatomy/Phys	3	_____	_____
AGRS 250	Live Animal & Carcass Eval	1	_____	_____
AGRS 250L	Live An. & Carcass Eval Lab	2	_____	_____
AGRS 260	Plant Propagation	3	_____	_____
AGRS 288	Livestock Practicum	1	_____	_____
AGRS 288L	Livestock Practicum Lab	1	_____	_____
AGRS 296	Topics: Sustain. Ag Practices	1-3	_____	_____
CISB 101	Business Info Technology	3	_____	_____

Unrestricted Electives (up to 5 semester hours)

MATH 1xx	_____	1	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

SUGGESTED COURSE SEQUENCING FOR A MAJOR IN SUSTAINABLE AGRICULTURE

This is a recommended sequence of course work. Certain courses may have prerequisites or are only offered during the Fall or Spring semesters. It is the student's responsibility to meet with the assigned advisor and check the 2 year course matrix on the Colorado Mesa website for course availability.

Animal Science Advising Sheet

FRESHMAN YEAR

Fall Semester	Hours	Spring Semester	Hours
MATH 108 Technical Mathematics	4	ENGL 111 English Composition	3
AGRS 100 Practical Crop Production	3	AGRS 230 Farm Animal A&P	3
AGRS 100L Practical Crop Production Lab	1	AGRS 102 Agriculture Economics	3
AGRS 125 Agricultural Machinery	3	AGRS 205 Farm/Ranch Management	3
AGRS 105 Animal Science	<u>3</u>	Essential Learning Social Sciences, Natural Science, Fine Arts, or Humanities	<u>3</u>
	14		15
Summer AGRS 293 Co-op Work Experience 5			

SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours
ENGL 112 English Composition	3	KINA* Activity	1
AGRS 240 Intro. Soil Science	3	KINE 100 Health and Wellness	1
AGRS 240L Intro. Soil Science Lab	1	Essential Learning Social Sciences, Natural Science, Fine Arts, or Humanities	3
AGRS 250 Live Animal & Carcass Eval	1	AGRS 210 Agricultural Marketing	3
AGRS 250L Live Animal & Carcass Eval Lab	2	AGRS 288 Livestock Practicum	1
Elective	<u>2</u>	AGRS 288L Livestock Practicum Lab	1
	12	AGRS 225 Feeds & Feeding	<u>4</u>
			14

SUGGESTED COURSE SEQUENCING FOR A MAJOR IN SUSTAINABLE AGRICULTURE

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Crop/Plant Advising Sheet

FRESHMAN YEAR

Fall Semester	Hours	Spring Semester	Hours
MATH 108 Technical Mathematics	4	ENGL 111 English Composition	3
AGRS 100 Practical Crop Production	3	AGRS 102 Agriculture Economics	3
AGRS 100L Practical Crop Production Lab	1	AGRS 103 Intro to Entomology	2
AGRS 125 Agricultural Machinery	3	AGRS 103L Intro to Entomology Lab	1
AGRS 105 Animal Science	<u>3</u>	AGRS 205 Farm/Ranch Management	3
	14	Essential Learning Social Sciences, Natural Science, Fine Arts, or Humanities	<u>3</u>
			15
Summer AGRS 293 Co-op Work Experience 5			

SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours
ENGL 112 English Composition	3	KINA* Activity	1
AGRS 240 Intro. Soil Science	3	KINE 100 Health and Wellness	1
AGRS 240L Intro. Soil Science Lab	1	Essential Learning Social Sciences, Natural Science, Fine Arts, or Humanities	3
AGRS 260 Plant Propagation	3	AGRS 210 Agricultural Marketing	3
Elective	<u>3</u>	AGRS 110 Integrated Pest Management	3
	13	Elective	<u>2</u>
			13

SUGGESTED COURSE SEQUENCING FOR A MAJOR IN SUSTAINABLE AGRICULTURE

This is a recommended sequence of course work. Certain courses may have prerequisites or are only offered during the Fall or Spring semesters. It is the student's responsibility to meet with the assigned advisor and check the 2 year course matrix on the Colorado Mesa website for course availability.

Bio-Agriculture Advising Sheet

FRESHMAN YEAR

Fall Semester	Hours	Spring Semester	Hours
MATH 108 Technical Mathematics	4	ENGL 111 English Composition	3
AGRS 100 Practical Crop Production	3	AGRS 102 Agriculture Economics	3
AGRS 100L Practical Crop Production Lab	1	AGRS 103 Intro to Entomology	2
AGRS 125 Agricultural Machinery	3	AGRS 103L Intro to Entomology Lab	1
AGRS 105 Animal Science	<u>3</u>	AGRS 205 Farm/Ranch Management	3
	14	Essential Learning Social Sciences, Natural Science, Fine Arts, or Humanities	<u>3</u>
			15
Summer AGRS 293 Co-op Work Experience 5			

SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours
ENGL 112 English Composition	3	KINA* Activity	1
AGRS 240 Intro. Soil Science	3	KINE 100 Health and Wellness	1
AGRS 240L Intro. Soil Science Lab	1	Essential Learning Social Sciences, Natural Science, Fine Arts, or Humanities	3
AGRS 260 Plant Propagation	3	AGRS 210 Agricultural Marketing	3
AGRS 296 Sustainable Ag Practices	<u>3</u>	AGRS 110 Integrated Pest Management	3
	13	Elective	<u>2</u>
			13

SUGGESTED COURSE SEQUENCING FOR A MAJOR IN SUSTAINABLE AGRICULTURE

This is a recommended sequence of course work. Certain courses may have prerequisites or are only offered during the Fall or Spring semesters. It is the student's responsibility to meet with the assigned advisor and check the 2 year course matrix on the Colorado Mesa website for course availability.

Agriculture Business Advising Sheet

FRESHMAN YEAR

Fall Semester	Hours	Spring Semester	Hours		
MATH 108	Technical Mathematics	4	ENGL 111	English Composition	3
AGRS 100	Practical Crop Production	3	AGRS 102	Agriculture Economics	3
AGRS 100L	Practical Crop Production Lab	1	AGRS 205	Farm/Ranch Management	3
AGRS 105	Animal Science	3	CISB 101	Business Info Technology	3
ACCT 105	Prin of Financial Accounting	<u>3</u>	Essential Learning Social Sciences, Natural Science, Fine Arts, or Humanities		<u>3</u>
		14			15
Summer AGRS 293 Co-op Work Experience 5					

SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours		
ENGL 112	English Composition	3	KINA*	Activity	1
AGRS 240	Intro. Soil Science	3	KINE 100	Health and Wellness	1
AGRS 240L	Intro. Soil Science Lab	1	Essential Learning Social Sciences, Natural Science, Fine Arts, or Humanities		3
AGRS 125	Agricultural Machinery	3	AGRS 210	Agricultural Marketing	3
AGRS 208	Agriculture Finance	<u>3</u>	Elective		2
		13	Elective		<u>3</u>
					13

POLICIES:

1. Please see the catalog for a complete list of graduation requirements.
2. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates.** You must turn in your "Intent to Graduate" form to the Registrar's Office **by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December.**
3. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature. Finally, the Department Head will submit the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
4. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.
5. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).