

**Natural Resources**  
**Agriculture**  
**Nature Path**



**Agriculture, Food and  
Natural Resources**

**-Agribusiness Systems**

**-Animal Systems**

**-Plant Systems**

**-Power, Structural and  
Technical Systems**

## Marshall High School and Saline County Career Center

### Program of Study for the Path: Natural Resources and Agriculture Career Cluster: Agriculture, Food and Natural Resources Career Pathway: Agribusiness Systems

This Career Pathway Plan of Study can serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

Education Levels	Grade	English 4 credits	Math 3 credits	Science 3 credits	Social Studies 3 credits	Other Required Courses 4 credits PE 1 credit Fine Art 1 credit Pract Art 1 credit Health ½ credit Pers Fin ½ credit	Electives 8 Credits Career & Technical Courses and/or Degree Major Courses	Credit Totals each year (25 credits required for graduation)	SAMPLE Occupations Relating to this Pathway
<b>Secondary</b>	9	Eng I (1)	Algebra 1 (1)	IPC (1)	American History (1)	PE (1) Fine Art (any) (1) Keyboarding (1)	Ag. Science 1 (1) Intro to Business (1)		<i>Occupations Requiring Postsecondary Education</i> <ul style="list-style-type: none"> <li>• Agricultural Chemical Dealer</li> <li>• Aquaculturalist</li> <li>• Bank/Loan Office</li> <li>• Environmental Compliance-Assurance Manager</li> <li>• Equine Manager</li> <li>• Farm Manager</li> <li>• Health and Safety Sanitarian</li> <li>• Meat Cutter-Meat Grader</li> <li>• Park Manager</li> <li>• Produce Buyer</li> <li>• Recycling Technician</li> <li>• Wildlife Manager</li> <li>• Cooperative Manager</li> <li>• Seed-stock Producer</li> <li>• Ag Marketing</li> <li>• Crop Adjuster</li> <li>• Insurance Agent</li> </ul> <i>Occupations Requiring Baccalaureate Degree</i> <ul style="list-style-type: none"> <li>• Agricultural Educator</li> <li>• Botanist</li> <li>• Ecologist</li> <li>• Environmental Engineer</li> <li>• Fish and Game Officer</li> <li>• Plant Pathologist</li> <li>• Veterinarian</li> <li>• Agricultural Sales Representative</li> </ul>
	10	Eng II (1)	Geometry (1)	Biology (1)	Am. History 2 (1/2)  <u>Choose one</u> Sociology (1/2) World Civilizations (1/2) Honors W. Civ. (1/2) Geography (1/2) Contemporary Issues (1/2 or 1)		Ag. Science 2 (1) Entrepreneurship/ Business Law (1)		
	11	<u>Choose one</u>  English III (1) Eng III Wt. (1) Pre-AP (1)	Algebra II (1)	<u>Choose one</u>  Chemistry (1) Botany (1/2) Environmental Science (1)	Government (1)	Personal Finance (1/2) Health (1/2)	Sm. Animal Care (1/2) Adv. Livestock (1/2) Ag. Management and Economics (1) Fundamentals of Marketing (1) Conservation and Natural Resources (1) Accounting (1) Comp Bus Apps (1) Public Speaking (1/2)		
	12	<u>Choose one</u> English IV Wt. (1) EN 130/160 (1) AP English (1) Tech Writing (1) Myth to Modern (1)	<u>Math Electives</u>  College Algebra (1) Honors Adv Math (1) AP Stats (1) Calculus (1)	<u>Science Elective</u>  AP Biology (1)			Adv Crops (1/2) Food Sci Tech (1/2) Adv Marketing (1) Accounting II (1) Ag Structures (1) Ag Construction (2) Ag Leadership (1)		
<b>Credit Totals in each area</b>								(26 or more)	

\*See back for college information.

Area Career Centers		2-Year Community Colleges	4-Year Colleges	<b>High School Activities</b>
<b>Postsecondary</b>	Saline County Career Center <a href="http://www.marshallschools.com/sccc/index.html">http://www.marshallschools.com/sccc/index.html</a>	Crowder College, Neosho <a href="http://www.crowder.edu">http://www.crowder.edu</a>	Lincoln University, Jefferson City <a href="http://www.lincolnu.edu">http://www.lincolnu.edu</a>	
		Mineral Area College, Park Hills <a href="http://www.mineralarea.edu">http://www.mineralarea.edu</a>	Missouri State University, Springfield <a href="http://www.missouristate.edu">www.missouristate.edu</a>	
		North Central Missouri College, Trenton <a href="http://www.ncmissouri.edu">http://www.ncmissouri.edu</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a>	
		State Fair Community College, Sedalia <a href="http://www.sfccmo.edu">http://www.sfccmo.edu</a>	Truman State University <a href="http://www.truman.edu">www.truman.edu</a>	
		Three Rivers Community College, Popular Bluff <a href="http://www.trcc.edu">http://www.trcc.edu</a>	University of Central Missouri <a href="http://www.ucm.edu">www.ucm.edu</a>	
			University of Missouri-Columbia <a href="http://www.missouri.edu">www.missouri.edu</a>	
			University of Missouri-Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a>	
			William Woods University, Fulton (Masters only) <a href="http://www.thewoods.edu">http://www.thewoods.edu</a>	



**ARTICULATION AGREEMENT  
STATE FAIR COMMUNITY COLLEGE**

College Program: Agriculture/Horticulture

Area Technical School: Saline County Career Center, Marshall

*Recommended Prerequisite Courses that **do not** articulate:*

Applied Communications	Computer Operation+
Keyboarding+	Applied Mathematics I & II (or Algebra I)
Algebra II*	Biology
Chemistry*	Geometry*

+ May be middle school or high school course.

\*Suggested higher level courses

*Courses available for articulation:*

<u>CTE Course</u>	<u>SFCC Course</u>	<u>Credit Hours</u>
Ag Science I & II AND Advanced Livestock Production	AGRI108     Animal Science	3
Conservation & Natural Resources AND Advanced Crop Production AND Landscaping	AGRI129     General Horticulture	3
Ag Science I & II AND Agriculture Economics	AGRI132     Agriculture Economic	3
	<b>Welding Certificate</b>	
Ag Construction	WELD101     Welding Technology I	4

*Criteria for Articulation:*

- a. Student meets the basic standards for credit as defined in the General Articulation Agreement including earning a "B" (3.0) or better in the above courses.
- b. Student contacts the SFCC Admissions Office to verify that admissions file is complete. **Be sure to identify themselves as a student enrolling with articulated credit.** Student makes an appointment with the Articulation/Academic Counselor to enroll.
- c. School (or student) submits a completed Recommendation for Articulated College Credit form to the Office of College & Career Readiness – Dual Credit.

<i>Callie Dobbin</i>	9/12/12
CTE Instructor	Date
<i>R Plattner</i>	9/12/12
	Date
<i>Jan Pa</i>	9/12/12
CTE Instructor	Date

<i>[Signature]</i>	Sept 12, 2012
SFCC Instructor	Date
<i>[Signature]</i>	
SFCC Instructor	Date



## Associate of Applied Science (AAS) in Agriculture 2012-2014 Advising Worksheet



### Advisors for this major:

Brad Driskill, ph. 660-596-7238  
[bdriskill@sfccmo.edu](mailto:bdriskill@sfccmo.edu)

### Prerequisite Information

P= Course has a prerequisite or minimum placement score

### Skill Enhancement Courses

*Some or all of the following skill enhancement courses may be required depending on your ACT, ASSET, or COMPASS scores. Courses with numbers below 100 will not apply toward graduation requirements. Your advisor will help you determine which of these courses, if any, you will need to take. In many cases, they must be taken your first semester.*

- |  |   |
|--|---|
| <input type="checkbox"/> BSKL 002 Introduction to Reading Skills   | 3 |
| <input type="checkbox"/> BSKL 003 Introduction to Sentence Skills  | 3 |
| <input type="checkbox"/> BSKL 004 Introduction to Math Skills      | 3 |
| <input type="checkbox"/> BSKL010 Introduction to Paragraphs        | 3 |
| <input type="checkbox"/> BSKL 014 Introduction to Reading Concepts | 3 |
| <input type="checkbox"/> BSKL 015 Reading                          | 3 |
| <input type="checkbox"/> BSKL 020 Introduction to Essays           | 3 |
| <input type="checkbox"/> BSKL 061 Pre-Algebra                      | 3 |
| <input type="checkbox"/> BSKL 064 Elementary Algebra               | 3 |

### Graduation Information

- Completed the minimum required hours?
  - Completed all required courses?
  - 15 hours completed at SFCC?
  - Transferring credit back & Registrar approved?
  - MO Constitution requirement met?
  - GPA (A minimum of 2.0 Institutional and overall is required for graduation)
  - Exit Exam scheduled/taken?
  -
- Application for Graduation completed? (Students should apply for graduation immediately after enrolling for their last semester)

Please consult your advisor for the order in which courses should be taken

	✓	Degree Requirements	
		AGRI101 Ag Leadership and Issues I	2
P		ENGL101 English Composition I (or) ENGL112 Technical Writing	3
		AGRI118 Plant Science	3
P		AGRI119 Soils I with Lab	4
		AGRI125 Natural Resources	3
		AGRI129 General Horticulture	3
P		AGRI102 Ag Leadership and Issues II	1
		AGRI132 Agriculture Economics	3
		AGRI127 Farm Chemicals	3
		AGRI137 Farm Management, Recordkeeping	1
		AGRI108 Animal Science	3
P		AGRI175 Occupational Internship	4
P		AGRI103 Ag Leadership and Issues III	2
		Wellness Course (see choices below)	1
P		AGRI116 Animal Nutrition (or) AGRI133 Agricultural and Food Policy	3
		AGRI134 Marketing Farm Commodities	3
P		AGRI114 Livestock Management (or) BSMT110 Salesmanship	3
P		General Education Course	3
		AGRI138 Ag Business Management	3
		AGRI174 Crop and Insect Scouting	2
P		AGRI104 Ag Leadership and Issues IV	1
P		MATH101 Business Math (or) MATH112 Intermediate Algebra	3
P		HIST101 U.S. History Before 1877 (or) HIST102 U.S. History Since 1877 (or) POLS101 American/National Government	3
		AGRI136 Ag Credit and Finance	3
P		AGRI121 Soils II	3
P		AGRI168 Commercial Applicator Licensing	2
<b>Degree Total</b>			<b>68</b>

**General Education Course - Select one course:**  
ART101, BADM103, MUS101, SPAN101, (or) SPTH101

**Wellness Course - Select one course from the following:**  
EDUC110, HLTH101, WELL116, WELL117, WELL118, WELL119, WELL121, (or) WELL122

***Not all courses are offered every semester***

This worksheet is to be used as a guide and may be subject to change without prior notice. Updated 3-21-12.



## Professional Certificate in Agricultural Business 2012-2014 Advising Worksheet



### Advisors for this major:

Brad Driskill, 660-596-7238

[bdriskill@sfccmo.edu](mailto:bdriskill@sfccmo.edu)

### Prerequisite Information

P= Course has a prerequisite or minimum placement score

### Skill Enhancement Courses

*Some or all of the following skill enhancement courses may be required depending on your ACT, ASSET, or COMPASS scores. Courses with numbers below 100 will not apply toward graduation requirements. Your advisor will help you determine which of these courses, if any, you will need to take. In many cases, they must be taken your first semester.*

- |  |   |
|--|---|
| <input type="checkbox"/> BSKL 002 Introduction to Reading Skills   | 3 |
| <input type="checkbox"/> BSKL 003 Introduction to Sentence Skills  | 3 |
| <input type="checkbox"/> BSKL 004 Introduction to Math Skills      | 3 |
| <input type="checkbox"/> BSKL010 Introduction to Paragraphs        | 3 |
| <input type="checkbox"/> BSKL 014 Introduction to Reading Concepts | 3 |
| <input type="checkbox"/> BSKL 015 Reading                          | 3 |
| <input type="checkbox"/> BSKL 020 Introduction to Essays           | 3 |
| <input type="checkbox"/> BSKL 061 Pre-Algebra                      | 3 |
| <input type="checkbox"/> BSKL 064 Elementary Algebra               | 3 |

### Graduation Information

- Completed the minimum required hours?
- Completed all required courses?
- 15 hours completed at SFCC?
- Transferring credit back & Registrar approved?
- GPA (A minimum of 2.0 Institutional and overall is required for graduation)
- Application for Graduation completed? (Students should apply for graduation immediately after enrolling for their last semester)

Please consult your advisor for the order in which courses should be taken

	✓	Certificate Requirements	
		AGRI132 Agriculture Economics	3
		AGRI134 Marketing Farm Commodities	3
		AGRI136 Ag Credit and Finance	3
		AGRI138 Ag Business Management	3
P		BSMT110 Salesmanship	3
		AGRI137 Farm Management, Recordkeeping	1
		AGRI133 Agricultural and Food Policy	3
<b>Certificate Total</b>			<b>19</b>

***Not all courses are offered every semester***

This worksheet is to be used as a guide and may be subject to change without prior notice. Updated 3-21-12.



# Marshall High School and Saline County Career Center

## Programs of Study for the Career Path: Natural Resources and Agriculture Career Cluster: Agriculture, Food and Natural Resources Career Pathway: Animal Systems

This Career Pathway Plan of Study can serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

Education Levels	Grade	English 4 credits	Math 3 credits	Science 3 credits	Social Studies 3 credits	Other Required Courses 4 credits  PE 1 credit Fine Art 1 credit Pract Art 1 credit Health ½ credit Pers Fin ½ credit	Electives 8 Credits  Career & Technical Courses and/or Degree Major Courses	Credit Totals each year  (25 credits required for graduation)	SAMPLE Occupations Relating to this Pathway
<b>Secondary</b>	9	Eng I (1)	Algebra (1)	IPC (1)	American History (1)	PE (1) Fine Art (any) (1) Keyboarding (1)	Ag Science I (1)		<ul style="list-style-type: none"> <li>• Agricultural Educator</li> <li>• Livestock Producer</li> <li>• Veterinarian</li> <li>• Animal Nutritionist</li> <li>• Livestock Buyer</li> <li>• Wildlife Biologist</li> <li>• Dairy Producer</li> <li>• USDA Inspectors</li> <li>• Embryo Transfer Specialist</li> <li>• Artificial Insemination Specialist</li> <li>• Food Scientist</li> <li>• Meat Cutter</li> <li>• Ag Sales</li> <li>• Equine Science</li> </ul>
	10	Eng II (1)	Geometry (1)	Biology (1)	Am. History 2 (1/2 )  <u>Choose one</u> Sociology (1/2) World Civilizations (1/2) Honors W. Civ. (1/2) Geography (1/2) Contemporary Issues (1/2 or 1)		Ag Science II (1) Accounting (1)		
	11	<u>Choose one</u> Eng III (1) Eng III Wt. (1) Pre AP (1)	Algebra II (1)	<u>Choose one</u> Chemistry (1) Zoology (1/2) Botany (1/2) Environmental Sciene (1)	Government (1)	Health (1/2) Personal Finance (1/2)	Sm. Animal Care (1/2) Adv.Livestock (1/2) Ag. Management and Economics (1) Fundamentals of Marketing (1) Conservation and Natural Resources (1) Accounting (1) Comp Bus Apps (1)		
	12	<u>Choose one</u> English IV Wt. (1) EN 130/160 (1) AP English (1) Tech Writing (1) Myth to Modern (1)	<u>Math Elective</u>  College Algebra (1) Honors Adv Math (1) AP Stats (1) Calculus (1)	<u>Science Elective</u>  AP Bio (1) Human Physiology (1)	<u>SS Elective</u>  Psychology (1) Contemporary Issues (1)		Ag Leadership (1) Adv Crops (1/2) Food Sci Tech (1/2) Adv Marketing (1) Accounting II (1)		
<b>Credit Totals in each area</b>								(28 or more)	

\*See back for college information.

Area Career Centers		2-Year Community Colleges	4-Year Colleges	High School Activities
<b>Postsecondary</b>	Saline County Career Center <a href="http://www.marshallschools.com/sccc/index.html">http://www.marshallschools.com/sccc/index.html</a>	Linn State Technical College <a href="http://www.linnstate.edu">www.linnstate.edu</a>	College of the Ozarks <a href="http://www.cofo.edu">www.cofo.edu</a>	FFA Science Club
	Petropolis Academy of Grooming and Training <a href="http://www.petropolis.com">www.petropolis.com</a>	Metropolitan Community Colleges <a href="http://www.mcckc.edu">www.mcckc.edu</a>	Missouri State University, Springfield <a href="http://www.missouristate.edu">www.missouristate.edu</a>	
		Ozarks Technical Community College <a href="http://www.otc.edu">www.otc.edu</a>	Stephen's College <a href="http://www.stephens.edu">www.stephens.edu</a>	
			Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a>	
			Truman State University <a href="http://www.truman.edu">www.truman.edu</a>	
			University of Missouri-Columbia <a href="http://www.missouri.edu">www.missouri.edu</a>	



**ARTICULATION AGREEMENT  
STATE FAIR COMMUNITY COLLEGE**

College Program: Agriculture/Horticulture

Area Technical School: Saline County Career Center, Marshall

*Recommended Prerequisite Courses that do not articulate:*

Applied Communications	Computer Operation+
Keyboarding+	Applied Mathematics I & II (or Algebra I)
Algebra II*	Biology
Chemistry*	Geometry*

+ May be middle school or high school course.

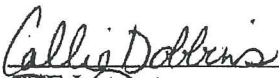


\*Suggested higher level courses



*Courses available for articulation:*

<u>CTE Course</u>	<u>SFCC Course</u>	<u>Credit Hours</u>
Ag Science I & II AND Advanced Livestock Production	AGRI108      Animal Science	3
Conservation & Natural Resources AND Advanced Crop Production AND Landscaping	AGRI129      General Horticulture	3
Ag Science I & II AND Agriculture Economics	AGRI132      Agriculture Economic	3
	<b>Welding Certificate</b>	
Ag Construction	WELD101      Welding Technology I	4

*Criteria for Articulation:*

- a. Student meets the basic standards for credit as defined in the General Articulation Agreement including earning a "B" (3.0) or better in the above courses.
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- c. School (or student) submits a completed Recommendation for Articulated College Credit form to the Office of College & Career Readiness – Dual Credit.

  
 CTE Instructor      9/12/12      Date  
  
 CTE Instructor      9/12/12      Date  
  
 CTE Instructor      9/12/12      Date

  
 SFCC Instructor      Sept 12, 2012      Date  
  
 SFCC Instructor      Date



**Associate of Applied Science (AAS) in Agriculture  
with Emphasis in Sustainable Agriculture  
2012-2014 Advising Worksheet**



**Advisors for this major:**

Mark Albright, ph. 660-596-7310  
[malbright@sfccmo.edu](mailto:malbright@sfccmo.edu)

**Prerequisite Information**

P= Course has a prerequisite or minimum placement score

**Skill Enhancement Courses**

*Some or all of the following skill enhancement courses may be required depending on your ACT, ASSET, or COMPASS scores. Courses with numbers below 100 will not apply toward graduation requirements. Your advisor will help you determine which of these courses, if any, you will need to take. In many cases, they must be taken your first semester.*

- BSKL 002 Introduction to Reading Skills 3
- BSKL 003 Introduction to Sentence Skills 3
- BSKL 004 Introduction to Math Skills 3
- BSKL010 Introduction to Paragraphs 3
- BSKL 014 Introduction to Reading Concepts 3
- BSKL 015 Reading 3
- BSKL 020 Introduction to Essays 3
- BSKL 061 Pre-Algebra 3
- BSKL 064 Elementary Algebra 3

**Graduation Information**

- Completed the minimum required hours?
- Completed all required courses?
- 15 hours completed at SFCC?
- Transferring credit back & Registrar approved?
- MO Constitution requirement met?
- GPA (A minimum of 2.0 Institutional and overall is required for graduation)
- Exit Exam scheduled/taken?
- Application for Graduation completed? (Students should apply for graduation immediately after enrolling for their last semester)

Please consult your advisor for the order in which courses should be taken

	✓	Degree Requirements	
		AGRI101 Ag Leadership and Issues I	2
P		AGRI119 Soils I with Lab	4
		AGRI125 Natural Resources	3
		AGRI137 Farm Management, Recordkeeping	1
P		AGRI102 Ag Leadership and Issues II	1
		AGRI127 Farm Chemicals	3
		AGRI154 Greenhouse Management with Lab	4
P		AGRI116 Animal Nutrition	3
		AGRI134 Marketing Farm Commodities	3
		AGRI138 Ag Business Management	3
		AGRI114 Livestock Management	3
		AGRI174 Crop and Insect Scouting	2
P		AGRI121 Soils II	3
		AGRI140 Vegetable Production	3
P		AGRI123 Soil Erosion and Management	3
P		AGRI190 AGRI Capstone	1
P		AGRI168 Commercial Applicator Licensing (or) AGRI144 Introduction to Beekeeping (and) AGRI145 Advanced Beekeeping	2
		AGRI148 Fruit Production	3
		AGRI149 Chemistry of Soil Additives	3
P		MATH101 Business Math (or) MATH112 Intermediate Algebra (or) MATH114 College Algebra	3
		AGRI118 Plant Science (or) AGRI108 Animal Science	3
		Wellness Course (see choices below)	1
P		HIST101 U.S. History Before 1877 (or) HIST102 U.S. History Since 1877 (or) POLS101 American/National Government	3
P		ENGL112 Technical Writing	3
P		BADM107 Personal Finance	3
<b>Degree Total</b>			<b>66</b>

**Wellness Course - Select one course from the following:**

EDUC110, HLTH101, WELL116, WELL117, WELL118, WELL119, WELL121, (or) WELL122

**Not all courses are offered every semester**

This worksheet is to be used as a guide and may be subject to change without prior notice. Updated 3-21-12.



# Marshall High School and Saline County Career Center

## Program of Study for the Career Path: Natural Resources and Agriculture

### Career Cluster: Agriculture, Food and Natural Resources Pathway: Plant Systems

*This Career Pathway Plan of Study can serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.*

Education Levels	Grade	English 4 credits	Math 3 credits	Science 3 credits	Social Studies 3 credits	Other Required Courses 4 credits <small>PE 1 credit Fine Art 1 credit Pract Art 1 credit Health ½ credit Pers Fin ½ credit</small>	Electives 8 Credits <small>Career &amp; Technical Courses and/or Degree Major Courses</small>	Credit Totals each year <small>(25 credits required for graduation)</small>	SAMPLE Occupations Relating to this Pathway
<b>Secondary</b>	9	Eng I (1)	Algebra I (1)	IPC (1)	American History (1)	PE (1) Fine Art (any) (1) Keyboarding (1)	Ag Science I (1)		<p><i>Occupations Requiring Post-Secondary Education</i></p> <ul style="list-style-type: none"> <li>• Agricultural Journalism</li> <li>• Biotechnology Laboratory Technician</li> <li>• Custom Hay/Silage Operator</li> <li>• Farmer</li> <li>• Golf Course Management</li> <li>• Grain Operator Superintendent</li> <li>• Greenhouse Operator</li> </ul> <p><i>Occupations Requiring a Baccalaureate Degree</i></p> <ul style="list-style-type: none"> <li>• Agricultural Educator</li> <li>• Food Scientist</li> <li>• Bioinformatics Specialist</li> <li>• Plant Breeder and Geneticists</li> <li>• Plant Pathologist</li> <li>• Soil and Water Specialist</li> <li>• Ag Sales</li> </ul>
	10	Eng II (1)	Geometry (1)	Biology (1)	Am. History 2 (1/2 )  <u>Choose one</u> Sociology (1/2) World Civilizations (1/2) Honors W. Civ. (1/2) Geography (1/2) Contemporary Issues (1/2 or 1)		Ag Science II (1) Greenhouse(1) Floral Design (1)		
	11	<u>Choose one</u> Eng III (1) Eng III Wt. (1) Pre AP (1)	Algebra II (1)	<u>Choose one</u> Chemistry (1) Botany (1/2) Environmental Science (1)	Government (1)	Health (1/2) Personal Finance (1/2)	Adv Greenhouse (1) Ag Management (1) Computer Based Applications (1)		
	12	<u>Choose one</u> English IV Wt. (1) EN 130/160 (1) AP English (1) Tech Writing (1) Myth to Modern (1)	<u>Math Electives</u> Advanced Math (1) College Algebra (1) AP Statistics (1) Calculus (1)	<u>Science Electives</u> AP Bio (1)			Crop Production (1/2) Landscaping (1) Nat Res and Cons (1) Ag Leadership (1)		
<b>Credit Totals in each area</b>							(28 or more)		

\*See back for college information.



Area Career Centers		2-Year Community Colleges	4-Year Colleges	High School Activities
<b>Postsecondary</b>	Saline County Career Center <a href="http://www.marshallschools.com/sccc/index.html">http://www.marshallschools.com/sccc/index.html</a>	Linn State Technical College <a href="http://www.linnstate.edu">www.linnstate.edu</a>	Southeast Missouri State University <a href="http://www.semo.edu">www.semo.edu</a>	FFA Science Club
		Metropolitan Community Colleges <a href="http://www.mcckc.edu">www.mcckc.edu</a>	Missouri State University, Springfield <a href="http://www.missouristate.edu">www.missouristate.edu</a>	
		State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a>	University of Central Missouri <a href="http://www.ucm.edu">www.ucm.edu</a>	
		Missouri State University-West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a>	
			College of the Ozarks <a href="http://www.cofo.edu">www.cofo.edu</a>	
			University of Missouri-Columbia <a href="http://www.missouri.edu">www.missouri.edu</a>	

Industry Based Certifications obtained through SCCC programs: Floral Design, Floral Design Assistant Training

**ARTICULATION AGREEMENT  
STATE FAIR COMMUNITY COLLEGE**

College Program: Agriculture/Horticulture

Area Technical School: Saline County Career Center, Marshall

*Recommended Prerequisite Courses that **do not** articulate:*

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Chemistry*	Geometry*

+ May be middle school or high school course.




\*Suggested higher level courses



*Courses available for articulation:*

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Conservation & Natural Resources AND Advanced Crop Production AND Landscaping	AGRI129     General Horticulture	3
Ag Science I & II AND Agriculture Economics	AGRI132     Agriculture Economic	3
<b>Welding Certificate</b>		
Ag Construction	WELD101     Welding Technology I	4

*Criteria for Articulation:*

- a. Student meets the basic standards for credit as defined in the General Articulation Agreement including earning a "B" (3.0) or better in the above courses.
- b. Student contacts the SFCC Admissions Office to verify that admissions file is complete. **Be sure to identify themselves as a student enrolling with articulated credit.** Student makes an appointment with the Articulation/Academic Counselor to enroll.
- c. School (or student) submits a completed Recommendation for Articulated College Credit form to the Office of College & Career Readiness – Dual Credit.

  
 CTE Instructor     9/12/12     Date  
  
 CTE Instructor     9/12/12     Date  
  
 CTE Instructor     9/12/12     Date

  
 SFCC Instructor     Sept 12, 2012     Date  
  
 SFCC Instructor     \_\_\_\_\_     Date



**Associate of Applied Science (AAS) in Agriculture  
with Emphasis in Horticulture  
2012-2014 Advising Worksheet**



**Advisors for this major:**

Mark Albright, ph. 660-596-7310  
[malbright@sfccmo.edu](mailto:malbright@sfccmo.edu)

**Prerequisite Information**

P= Course has a prerequisite or minimum placement score

**Skill Enhancement Courses**

*Some or all of the following skill enhancement courses may be required depending on your ACT, ASSET, or COMPASS scores. Courses with numbers below 100 will not apply toward graduation requirements. Your advisor will help you determine which of these courses, if any, you will need to take. In many cases, they must be taken your first semester.*

- BSKL 002 Introduction to Reading Skills 3
- BSKL 003 Introduction to Sentence Skills 3
- BSKL 004 Introduction to Math Skills 3
- BSKL010 Introduction to Paragraphs 3
- BSKL 014 Introduction to Reading Concepts 3
- BSKL 015 Reading 3
- BSKL 020 Introduction to Essays 3
- BSKL 061 Pre-Algebra 3
- BSKL 064 Elementary Algebra 3

**Graduation Information**

- Completed the minimum required hours?
- Completed all required courses?
- 15 hours completed at SFCC?
- Transferring credit back & Registrar approved?
- MO Constitution requirement met?
- GPA (A minimum of 2.0 Institutional and overall is required for graduation)
- Exit Exam scheduled/taken?
- Application for Graduation completed? (Students should apply for graduation immediately after enrolling for their last semester)

Please consult your advisor for the order in which courses should be taken

	✓	Degree Requirements	
		AGRI101 Ag Leadership and Issues I	2
		AGRI147 Plant Identification	4
P		ENGL101 English Composition I (or) ENGL112 Technical Writing	3
P		AGRI119 Soils I with Lab	4
		AGRI129 General Horticulture	3
P		AGRI102 Ag Leadership and Issues II	1
P		BADM101 Introduction to Business (or) BADM107 Personal Finance (or) ECON101 Principles of Macroeconomics	3
		AGRI127 Farm Chemicals	3
		AGRI152 Turf Management	4
		AGRI151 Landscape Design and Maintenance	3
P		AGRI121 Soils II	3
P		AGRI175 Occupational Internship	4
P		AGRI103 Ag Leadership and Issues III	2
		Wellness Course (see choices below)	1
		AGRI125 Natural Resources	3
		AGRI118 Plant Science	3
P		HIST101 U.S. History Before 1877 (or) HIST102 U.S. History Since 1877 (or) POLS101 American/National Government	3
		AGRI138 Ag Business Management	3
		AGRI174 Crop and Insect Scouting	2
P		AGRI104 Ag Leadership and Issues IV	1
P		MATH101 Business Math (or) MATH112 Intermediate Algebra	3
		AGRI136 Ag Credit and Finance (or) AGRI133 Agricultural and Food Policy	3
P		AGRI168 Commercial Applicator Licensing	2
		AGRI137 Farm Management, Recordkeeping	1
		AGRI154 Greenhouse Management with Lab	4
P		AGRI179 Innovative Horticulture	1
<b>Degree Total</b>			<b>69</b>

**Wellness Course - Select one course from the following:**

EDUC110, HLTH101, WELL116, WELL117, WELL118, WELL119, WELL121, (or) WELL122

**Not all courses are offered every semester**

This worksheet is to be used as a guide and may be subject to change without prior notice. Updated 3-21-12.



# Marshall High School and Saline County Career Center

## Program of Study for the Career Path: Natural Resources and Agriculture

### Career Cluster: Agriculture, Food and Natural Resources Career Pathway: Power Structural and Technical Systems

This Career Pathway Plan of Study can serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

Education Levels	Grade	English 4 credits	Math 3 credits	Science 3 credits	Social Studies 3 credits	Other Required Courses 4 credits <small>PE 1 credit Fine Art 1 credit Pract Art 1 credit Health ½ credit Pers Fin ½ credit</small>	Electives 8 Credits <small>Career &amp; Technical Courses and/or Degree Major Courses</small>	Credit Totals each year <small>(25 credits required for graduation)</small>	SAMPLE Occupations Relating to this Pathway
<b>Secondary</b>	9	Eng I (1)	Algebra I (1)	IPC (1)	American History (1)	PE (1) Fine Art (any) (1) Keyboarding (1)	Ag Science I (1) Exploration in Technology (1) Woods (1)		<i>Occupations Requiring Postsecondary Education</i> <ul style="list-style-type: none"> <li>• Automotive welding</li> <li>• Aircraft and Aerospace</li> <li>• Electronics Maintenance</li> <li>• GPS Technician</li> <li>• Equipment and Parts Management</li> <li>• Light Industrial</li> <li>• Heavy Industrial</li> <li>• Construction Repair</li> </ul>
	10	Eng II (1)	Geometry (1)	Biology (1)	Am. History 2 (1/2) <u>Choose one</u> Sociology (1/2) World Civilizations (1/2) Honors W. Civ. (1/2) Geography (1/2) Contemporary Issues (1/2 or 1)		Ag Science II (1) Intro to Business (1)		
	11	<u>Choose one</u> English III (1) English III Wt. (1) Pre-AP (1)	Algebra II (1)	Chemistry (1) Electricity and Magnetism (1/2)	Government (1)	Personal Finance (1/2) Health (1/2)	Ag Structures I (1) Ag Construction I (2) Drafting (1) Automotive Technology (3)		
	12	<u>Choose one</u> English IV Wt. (1) EN 130/160 (1) AP English (1) Tech Writing (1) Myth to Modern (1)	<u>Math Elective</u> College Algebra (1) Honors Adv Math (1) AP Stats (1) Calculus (1)	<u>Science Elective</u> Physics (1)			Ag Structures 2 (1) Ag Construction 2 (2) Automotive Technology (3)		
<b>Credit Totals in each area</b>								(28 or more)	

\*See back for college information.

Area Career Centers		2-Year Community Colleges	4-Year Colleges	High School Activities
<b>Postsecondary</b>	Saline County Career Center <a href="http://www.marshallschools.com/sccc/index.html">http://www.marshallschools.com/sccc/index.html</a> Missouri Welding Institute, Inc.	Linn State Technical College <a href="http://www.linnstate.edu">www.linnstate.edu</a>		FFA TSA
		Metropolitan Community Colleges <a href="http://www.mcckc.edu">www.mcckc.edu</a>		
		Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a>		
		Ozarks Technical Community College <a href="http://www.otc.edu">www.otc.edu</a>		
		State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a>		
		<i>East Central College</i>		
		<i>Jefferson College</i>		
		<i>Vatterott College - St. Ann</i>		

**Industry Based Certifications obtained through SCCC programs:  
Automotive Technology, NATEF Certificate**

**ARTICULATION AGREEMENT  
STATE FAIR COMMUNITY COLLEGE**

College Program: Agriculture/Horticulture

Area Technical School: Saline County Career Center, Marshall

*Recommended Prerequisite Courses that do not articulate:*

Applied Communications	Computer Operation+
Keyboarding+	Applied Mathematics I & II (or Algebra I)
Algebra II*	Biology
Chemistry*	Geometry*

+ May be middle school or high school course.

\*Suggested higher level courses

*Courses available for articulation:*

<u>CTE Course</u>	<u>SFCC Course</u>	<u>Credit Hours</u>
Ag Science I & II AND Advanced Livestock Production	AGRI108     Animal Science	3
Conservation & Natural Resources AND Advanced Crop Production AND Landscaping	AGRI129     General Horticulture	3
Ag Science I & II AND Agriculture Economics	AGRI132     Agriculture Economic	3
	<b>Welding Certificate</b>	
Ag Construction	WELD101     Welding Technology I	4

*Criteria for Articulation:*

- Student meets the basic standards for credit as defined in the General Articulation Agreement including earning a "B" (3.0) or better in the above courses.
- Student contacts the SFCC Admissions Office to verify that admissions file is complete. **Be sure to identify themselves as a student enrolling with articulated credit.** Student makes an appointment with the Articulation/Academic Counselor to enroll.
- School (or student) submits a completed Recommendation for Articulated College Credit form to the Office of College & Career Readiness – Dual Credit.

<i>Callie Dobbin</i>	9/12/12
CTE Instructor	Date
<i>R Plattner</i>	9/12/12
	Date
<i>Jan R</i>	9/12/12
CTE Instructor	Date

<i>David D. K.</i>	Sept 12, 2012
SFCC Instructor	Date
<i>[Signature]</i>	
SFCC Instructor	Date





## Professional Certificate in Welding Technology 2012-2014 Advising Worksheet



### Advisors for this major:

Michael Luchesi, ph. 660-596-7392

[mluchesi@sfccmo.edu](mailto:mluchesi@sfccmo.edu)

### Prerequisite Information

P= Course has a prerequisite or minimum placement score

### Skill Enhancement Courses

*Some or all of the following skill enhancement courses may be required depending on your ACT, ASSET, or COMPASS scores. Courses with numbers below 100 will not apply toward graduation requirements. Your advisor will help you determine which of these courses, if any, you will need to take. In many cases, they must be taken your first semester.*

- |  |   |
|--|---|
| <input type="checkbox"/> BSKL 002 Introduction to Reading Skills   | 3 |
| <input type="checkbox"/> BSKL 003 Introduction to Sentence Skills  | 3 |
| <input type="checkbox"/> BSKL 004 Introduction to Math Skills      | 3 |
| <input type="checkbox"/> BSKL010 Introduction to Paragraphs        | 3 |
| <input type="checkbox"/> BSKL 014 Introduction to Reading Concepts | 3 |
| <input type="checkbox"/> BSKL 015 Reading                          | 3 |
| <input type="checkbox"/> BSKL 020 Introduction to Essays           | 3 |
| <input type="checkbox"/> BSKL 061 Pre-Algebra                      | 3 |
| <input type="checkbox"/> BSKL 064 Elementary Algebra               | 3 |

### Graduation Information

- Completed the minimum required hours?
- Completed all required courses?
- 15 hours completed at SFCC?
- Transferring credit back & Registrar approved?
- GPA (A minimum of 2.0 Institutional and overall is required for graduation)
- Application for Graduation completed? (Students should apply for graduation immediately after enrolling for their last semester)

Please consult your advisor for the order in which courses should be taken

	✓	Certificate Requirements	
		CNST162 Construction Safety (or) IEM126 Industrial Safety	3
P		MATH108 Technical Math II	3
		WELD115 Print Reading for Welders and Machinists	3
		*WELD101 Introduction to Welding	4
P		*WELD102 Structural Welding	4
P		*WELD103 Pipe Welding	4
P		*WELD104 TIG Welding	4
		*MACH115 Heat Treating and Metallurgy	3
P		Program Elective (see choices below)	3
<b>Certificate Total</b>			<b>31</b>

Program Elective - Select 3 hours:
CAD111, MACH, MATH107, (or) WELD180

***Not all courses are offered every semester***

This worksheet is to be used as a guide and may be subject to change without prior notice. Updated 3-21-12.