

**MOUNTAIN EMPIRE COMMUNITY COLLEGE  
REQUEST FOR COURSE APPROVAL**

**➤ Part One: Fill in the requested information**

Course Name:	<b>Industrial Robotics and Programming</b>	Course Number:	<b>ETR 177</b>
Credit Hours:	<b>3</b>	Lecture Contact Hours:	<b>2</b>
		Lab Contact Hours:	<b>2</b>
Minimum VCCS Instructor Qualifications (as stated in the VCCS 29):	Bachelor's in teaching field or Associate's in teaching field w/demonstated competency		
Special Instructor Certifications/ Requirements:	Fanuc Handling Tool Operation and Programming		
Does the change need to be sent to the VCCS, SCHEV or SACSCOC? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, enter the appropriate response: Click here to enter text.			
Co-requisite:	none		
Prerequisite:	none		
Does MECC currently offer a course with similar content? Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> If yes, list the course(s): IND 160 – Intro to Robotics (will be replaced)			
Reason for offering this course:	Course was recommended by advisory committee in order to provide instruction in advanced manufacturing methods.		
Institutional resources needed:	none		
In which degree/certificate programs will this course be used:	726, 726-01		

**CORE COMPETENCIES**

Indicate to what extent this course will contribute to the following core competencies:

Written Communication	Minimal (1)
Critical Thinking	Moderate (2)
Civic Engagement	None (0)
Quantitative Literacy	Moderate (2)
Scientific Literacy	Moderate (2)
Professional Readiness	Moderate (2)

**RECEIVED**

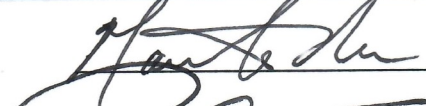

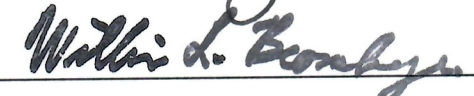
**MAY 3 2022**

Vice President of  
Academic Affairs and Workforce Solutions

**➤ Part Two: State the course description as listed in the VCCS Master Course File**

Prepares the student to safely operate and maintain a robot and develop and maintain basic robot programs. Lecture 1-2 hours. Laboratory 2-3 hours. Total 3-5 hours per week. 2-3 credits

**➤ Part Three: Print and obtain approval signatures as indicated below:**

<b>Recommended:</b> Division Dean/Director:		Date: <u>5/8/22</u>
<b>Reviewed:</b> Chair, Instruction & Curriculum Committee:		Date: <u>5/13/22</u>
<b>Approved:</b> Vice President, Academic Affairs and Workforce Solutions:		Date: <u>12/9/22</u>

After approval - Copies sent to I&C Chair, Division Dean/Director, Dean of Enrollment Services, Community Relations, and Library. Original request is filed in the VP of Academic Affairs and Workforce Solutions.



**MOUNTAIN EMPIRE COMMUNITY COLLEGE  
REQUEST FOR COURSE APPROVAL**

**➤ Part One: Fill in the requested information**

Course Name:	<b>Introduction to Plant Science and Technology</b>	Course Number:	<b>AGR 142</b>		
Credit Hours:	<b>3</b>	Lecture Contact Hours:	<b>2</b>	Lab Contact Hours:	<b>2-3</b>
Minimum VCCS Instructor Qualifications (as stated in the VCCS 29):		Demonstrates Potential H.S. diploma or equivalent; Associate's or equivalent in teaching field preferred. Related occupational experience: 5 Years current experience			
Special Instructor Certifications/ Requirements:		N/A			
Does the change need to be sent to the VCCS, SCHEV or SACSCOC? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, enter the appropriate response: Click here to enter text.					
Co-requisite:		N/A			
Prerequisite:		N/A			
Does MECC currently offer a course with similar content? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, list the course(s): Click here to enter text.					
Reason for offering this course:		Course to be offered in support of the fulfillment of MECCs Project Thoroughbred commitment and to offer a certificate program focused on grain management.			
Institutional resources needed:		Grain grading and testing equipment			
In which degree/certificate programs will this course be used:		Smart Farming - Crop Production, Management, and Processing			

**CORE COMPETENCIES**

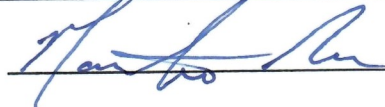
Indicate to what extent this course will contribute to the following core competencies:

Written Communication	Minimal (1)
Critical Thinking	Moderate (2)
Civic Engagement	None (0)
Quantitative Literacy	Moderate (2)
Scientific Literacy	Moderate (2)
Professional Readiness	Moderate (2)

**➤ Part Two: State the course description as listed in the VCCS Master Course File**

Introduces students to plant science, ecology, plant morphology, plant and soil relations and energy conversions. Includes surveying agricultural crops and their importance in the economy.

**➤ Part Three: Print and obtain approval signatures as indicated below:**

<b>Recommended:</b>		
Division Dean/Director:		Date: <u>3/4/2022</u>
<b>Reviewed:</b>	_____	Date: _____

After approval - Copies sent to I&C Chair, Division Dean/Director, Dean of Enrollment Services, Community Relations, and Library. Original request is filed in the VP of Academic Affairs and Workforce Solutions.

Chair, Instruction & Curriculum  
Committee:

Approved:

Vice President, Academic Affairs  
and Workforce Solutions:

*Sarah Sullivan*

*3/4/2022*

*Walter D. Benz Jr.*

Date: *3/25/22*

**MOUNTAIN EMPIRE COMMUNITY COLLEGE  
NEW COURSE APPROVAL PROCESS**

1. Course initiator and/or Division Dean/Director complete Parts One and Two of the Request for Course Approval form. Division Dean/Director signs Part Three of the form.
2. Course initiator or Division Dean/Director contacts Instruction & Curriculum (I&C) Chair to add new course request to I&C agenda.
3. Course initiator and/or Division Dean/Director present request to I&C.
4. I&C members discuss request and vote to recommend/not recommend course.
  - a. **If course is NOT recommended:**
    - i. An explanation is provided to the course initiator and/or Division Dean/Director.
  - b. **If course is recommended:**
    - i. I&C Chair signs and returns the original Request for Course Approval form to the course initiator or Division Dean/Director.
    - ii. Course initiator or Division Dean/Director contacts the administrative assistant to the Vice President of Academic & Student Services to add the request to VP Staff agenda.
    - iii. Course initiator and/or Division Dean/Director presents request to VP Staff.
    - iv. VP Staff members discuss request and vote to approve/not approve course:
      1. **If course is NOT approved:**
        - a. An explanation is provided to course initiator and/or Division Dean/Director, and to I&C Committee.
      2. **If course is approved:**
        - a. VP adds his/her signature to the original Request for Course Approval form and forwards copies to I&C Chair, Division Dean/Director, and Dean of Enrollment Services, Community Relations, and Library. Original request is filed in the VP of Academic & Student Services office.



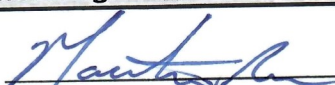
## Smart Farming - Crop Production, Management, and Processing

		Course #	Course Title	Credit	Pre-Requisite Courses	Approved Course Substitutions	Term Offered
<b>First Year</b>	<b>Summer</b>	AGR 142	Introduction to Plant Science and Technology	3			F,Sp, Su
		AGR 143	Introduction to Agribusiness and Financial Management	3			F,Sp, Su
		AGR 295	Grain Terminal Storage and Operation	4			F, Sp
<b>First Year</b>	<b>Fall</b>	AGR 205	Soil Fertility and Management	3			F, Sp
		AGR 231	Agribusiness Marketing, Risk Management, and Entrepreneurship	3			F, Sp
		AGR 233	Food Production, Safety, Biosecurity, and Quality Control	3			F, Sp
		AGR 234	Chemical Application and Pest Management	3			F, Sp
<b>Total Program Credits</b>				<b>22</b>			

*Course substitutions may be available. Please see an advisor for more information.*



## MOUNTAIN EMPIRE COMMUNITY COLLEGE REQUEST FOR COURSE APPROVAL

➤ Part One: Fill in the requested information			
Course Name:	Introduction to Agribusiness and Financial Management	Course Number:	AGR 143
Credit Hours:	3	Lecture Contact Hours:	2
		Lab Contact Hours:	2-3
Minimum VCCS Instructor Qualifications (as stated in the VCCS 29):		Demonstrates Potential H.S. diploma or equivalent; Associate's or equivalent in teaching field preferred. Related occupational experience: 5 Years current experience	
Special Instructor Certifications/ Requirements:		N/A	
Does the change need to be sent to the VCCS, SCHEV or SACSCOC? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, enter the appropriate response: Click here to enter text.			
Co-requisite:		N/A	
Prerequisite:		N/A	
Does MECC currently offer a course with similar content? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, list the course(s): Click here to enter text.			
Reason for offering this course:		Course to be offered in support of the fulfillment of MECCs Project Thoroughbred commitment and to offer a certificate program focused on grain management.	
Institutional resources needed:		Click here to enter text.	
In which degree/certificate programs will this course be used:		Smart Farming - Crop Production, Management, and Processing	
CORE COMPETENCIES			
Indicate to what extent this course will contribute to the following core competencies:			
Written Communication		Moderate (2)	
Critical Thinking		Moderate (2)	
Civic Engagement		Minimal (1)	
Quantitative Literacy		Significant (3)	
Scientific Literacy		None (0)	
Professional Readiness		Moderate (2)	
➤ Part Two: State the course description as listed in the VCCS Master Course File			
Introduces agriculture's importance to society and ways to start a farm or agribusiness. Evaluates forms of business including cooperatives and create financial statements and reports necessary for routine accounting and tax preparation. Utilizes financial tools for decision making, budgets and time value of money. Explores retirement, transition planning, personal financial management, and capital acquisition techniques.			
➤ Part Three: Print and obtain approval signatures as indicated below:			
Recommended:			
Division Dean/Director:			Date: 3/4/2022

After approval - Copies sent to I&C Chair, Division Dean/Director, Dean of Enrollment Services, Community Relations, and Library. Original request is filed in the VP of Academic Affairs and Workforce Solutions.

**Reviewed:**  
Chair, Instruction & Curriculum  
Committee:

*Sarah Gillian*

Date:

*3/4/2022*

**Approved:**  
Vice President, Academic Affairs  
and Workforce Solutions:

*Walter D. Bombyer*

Date:

*3/25/22*

**MOUNTAIN EMPIRE COMMUNITY COLLEGE  
NEW COURSE APPROVAL PROCESS**

1. Course initiator and/or Division Dean/Director complete Parts One and Two of the Request for Course Approval form. Division Dean/Director signs Part Three of the form.
2. Course initiator or Division Dean/Director contacts Instruction & Curriculum (I&C) Chair to add new course request to I&C agenda.
3. Course initiator and/or Division Dean/Director present request to I&C.
4. I&C members discuss request and vote to recommend/not recommend course.
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    - i. I&C Chair signs and returns the original Request for Course Approval form to the course initiator or Division Dean/Director.
    - ii. Course initiator or Division Dean/Director contacts the administrative assistant to the Vice President of Academic & Student Services to add the request to VP Staff agenda.
    - iii. Course initiator and/or Division Dean/Director presents request to VP Staff.
    - iv. VP Staff members discuss request and vote to approve/not approve course:
      1. **If course is NOT approved:**
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      2. **If course is approved:**
        - a. VP adds his/her signature to the original Request for Course Approval form and forwards copies to I&C Chair, Division Dean/Director, and Dean of Enrollment Services, Community Relations, and Library. Original request is filed in the VP of Academic & Student Services office.




## Smart Farming - Crop Production, Management, and Processing

		Course #	Course Title	Credit	Pre-Requisite Courses	Approved Course Substitutions	Term Offered
<b>First Year</b>	<b>Summer</b>	AGR 142	Introduction to Plant Science and Technology	3			F,Sp, Su
		AGR 143	Introduction to Agribusiness and Financial Management	3			F,Sp, Su
		AGR 295	Grain Terminal Storage and Operation	4			F, Sp
<b>First Year</b>	<b>Fall</b>	AGR 205	Soil Fertility and Management	3			F, Sp
		AGR 231	Agribusiness Marketing, Risk Management, and Entrepreneurship	3			F, Sp
		AGR 233	Food Production, Safety, Biosecurity, and Quality Control	3			F, Sp
		AGR 234	Chemical Application and Pest Management	3			F, Sp
<b>Total Program Credits</b>				<b>22</b>			

*Course substitutions may be available. Please see an advisor for more information.*

## MOUNTAIN EMPIRE COMMUNITY COLLEGE REQUEST FOR COURSE APPROVAL

➤ <b>Part One: Fill in the requested information</b>			
Course Name:	Agribusiness Marketing, Risk Management, and Entrepreneurship	Course Number:	<b>AGR 231</b>
Credit Hours:	3	Lecture Contact Hours:	3
		Lab Contact Hours:	0
Minimum VCCS Instructor Qualifications (as stated in the VCCS 29):	Demonstrates Potential H.S. diploma or equivalent; Associate's or equivalent in teaching field preferred. Related occupational experience: 5 Years current experience		
Special Instructor Certifications/ Requirements:	N/A		
Does the change need to be sent to the VCCS, SCHEV or SACSCOC? Yes <input type="checkbox"/> No <input type="checkbox"/>			
If yes, enter the appropriate response: Click here to enter text.			
Co-requisite:	N/A		
Prerequisite:	N/A		
Does MECC currently offer a course with similar content? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
If yes, list the course(s): Click here to enter text.			
Reason for offering this course:	Course to be offered in support of the fulfillment of MECCs Project Thoroughbred commitment and to offer a certificate program focused on grain management.		
Institutional resources needed:	Click here to enter text.		
In which degree/certificate programs will this course be used:	Smart Farming - Crop Production, Management, and Processing		
CORE COMPETENCIES			
Indicate to what extent this course will contribute to the following core competencies:			
Written Communication	Moderate (2)		
Critical Thinking	Moderate (2)		
Civic Engagement	Minimal (1)		
Quantitative Literacy	Moderate (2)		
Scientific Literacy	None (0)		
Professional Readiness	Moderate (2)		
➤ <b>Part Two: State the course description as listed in the VCCS Master Course File</b>			
Covers marketing techniques required to create an effective marketing plan addressing product, price, place, promotion, and people considerations of an agribusiness. Emphasizes unique aspects of agricultural products and risk management including price fluctuations and biosecurity. Projects explore entrepreneurship and creative marketing plans for a proposed farm or agribusiness.			
➤ <b>Part Three: Print and obtain approval signatures as indicated below:</b>			
<b>Recommended:</b>			
Division Dean/Director:		Date:	3/4/2022

After approval - Copies sent to I&C Chair, Division Dean/Director, Dean of Enrollment Services, Community Relations, and Library. Original request is filed in the VP of Academic Affairs and Workforce Solutions.



**Reviewed:**

Chair, Instruction & Curriculum  
Committee:

*Sue Gilliam*

Date: 3/4/2022

**Approved:**

Vice President, Academic Affairs  
and Workforce Solutions:

*Walter D. Bonby*

Date: 3/25/22

**MOUNTAIN EMPIRE COMMUNITY COLLEGE  
NEW COURSE APPROVAL PROCESS**

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## Smart Farming - Crop Production, Management, and Processing

	Course #	Course Title	Credit	Pre-Requisite Courses	Approved Course Substitutions	Term Offered
<b>First Year Summer</b>	AGR 142	Introduction to Plant Science and Technology	3			F,Sp, Su
	AGR 143	Introduction to Agribusiness and Financial Management	3			F,Sp, Su
	AGR 295	Grain Terminal Storage and Operation	4			F, Sp
<b>First Year Fall</b>	AGR 205	Soil Fertility and Management	3			F, Sp
	AGR 231	Agribusiness Marketing, Risk Management, and Entrepreneurship	3			F, Sp
	AGR 233	Food Production, Safety, Biosecurity, and Quality Control	3			F, Sp
	AGR 234	Chemical Application and Pest Management	3			F, Sp
<b>Total Program Credits</b>			<b>22</b>			

*Course substitutions may be available. Please see an advisor for more information.*



## MOUNTAIN EMPIRE COMMUNITY COLLEGE REQUEST FOR COURSE APPROVAL

**➤ Part One: Fill in the requested information**

Course Name:	Food Production, Safety, Biosecurity, and Quality Control	Course Number:	AGR 233	
Credit Hours:	3	Lecture Contact Hours:	3	Lab Contact Hours: 0
Minimum VCCS Instructor Qualifications (as stated in the VCCS 29):		Demonstrates Potential H.S. diploma or equivalent; Associate's or equivalent in teaching field preferred. Related occupational experience: 5 Years current experience		
Special Instructor Certifications/ Requirements:		N/A		
Does the change need to be sent to the VCCS, SCHEV or SACSCOC? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, enter the appropriate response: Click here to enter text.				
Co-requisite:		N/A		
Prerequisite:		N/A		
Does MECC currently offer a course with similar content? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, list the course(s): Click here to enter text.				
Reason for offering this course:		Course to be offered in support of the fulfillment of MECCs Project Thoroughbred commitment and to offer a certificate program focused on grain management.		
Institutional resources needed:		Click here to enter text.		
In which degree/certificate programs will this course be used:		Smart Farming - Crop Production, Management, and Processing		

### CORE COMPETENCIES

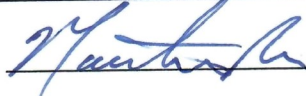
Indicate to what extent this course will contribute to the following core competencies:

Written Communication	Minimal (1)
Critical Thinking	Minimal (1)
Civic Engagement	None (0)
Quantitative Literacy	Moderate (2)
Scientific Literacy	None (0)
Professional Readiness	Significant (3)

**➤ Part Two: State the course description as listed in the VCCS Master Course File**

Explores food production practices and their influence on food product quality, nutrition, and safety. Covers processing techniques for reducing spoilage, increasing farmer's share of the food dollar and diversifying farm incomes. Includes analytical methods for tracking and reporting quality control practices. Explores equipment, packaging, laws, regulations, standards, and financial sources for on farm and small-scale processing.

**➤ Part Three: Print and obtain approval signatures as indicated below:**

**Recommended:**  
Division Dean/Director:  Date: 3/4/2022

After approval - Copies sent to I&C Chair, Division Dean/Director, Dean of Enrollment Services, Community Relations, and Library. Original request is filed in the VP of Academic Affairs and Workforce Solutions.

**Reviewed:**

Chair, Instruction & Curriculum  
Committee:

*Sarah Fullin*

Date: *3/4/2022*

**Approved:**

Vice President, Academic Affairs  
and Workforce Solutions:

*Walter D. Bombye*

Date: *3/25/22*

**MOUNTAIN EMPIRE COMMUNITY COLLEGE  
NEW COURSE APPROVAL PROCESS**

1. Course initiator and/or Division Dean/Director complete Parts One and Two of the Request for Course Approval form. Division Dean/Director signs Part Three of the form.
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4. I&C members discuss request and vote to recommend/not recommend course.
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## Smart Farming - Crop Production, Management, and Processing

		Course #	Course Title	Credit	Pre-Requisite Courses	Approved Course Substitutions	Term Offered
<b>First Year</b>	<b>Summer</b>	AGR 142	Introduction to Plant Science and Technology	3			F,Sp, Su
		AGR 143	Introduction to Agribusiness and Financial Management	3			F,Sp, Su
		AGR 295	Grain Terminal Storage and Operation	4			F, Sp
<b>First Year</b>	<b>Fall</b>	AGR 205	Soil Fertility and Management	3			F, Sp
		AGR 231	Agribusiness Marketing, Risk Management, and Entrepreneurship	3			F, Sp
		AGR 233	Food Production, Safety, Biosecurity, and Quality Control	3			F, Sp
		AGR 234	Chemical Application and Pest Management	3			F, Sp
<b>Total Program Credits</b>				<b>22</b>			

*Course substitutions may be available. Please see an advisor for more information.*

## MOUNTAIN EMPIRE COMMUNITY COLLEGE REQUEST FOR COURSE APPROVAL

**➤ Part One: Fill in the requested information**

Course Name:	Chemical Application and Pest Management	Course Number:	AGR 234
Credit Hours:	3	Lecture Contact Hours:	3
		Lab Contact Hours:	Click here to enter text.
Minimum VCCS Instructor Qualifications (as stated in the VCCS 29):		Demonstrates Potential H.S. diploma or equivalent; Associate's or equivalent in teaching field preferred. Related occupational experience: 5 Years current experience	
Special Instructor Certifications/ Requirements:		N/A	
Does the change need to be sent to the VCCS, SCHEV or SACSCOC? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, enter the appropriate response: Click here to enter text.			
Co-requisite:		N/A	
Prerequisite:		N/A	
Does MECC currently offer a course with similar content? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, list the course(s): Click here to enter text.			
Reason for offering this course:		Course to be offered in support of the fulfillment of MECCs Project Thoroughbred commitment and to offer a certificate program focused on grain management.	
Institutional resources needed:		Click here to enter text.	
In which degree/certificate programs will this course be used:		Smart Farming - Crop Production, Management, and Processing	

### CORE COMPETENCIES


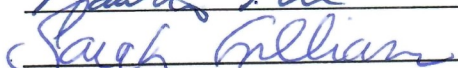
Indicate to what extent this course will contribute to the following core competencies:

Written Communication	None (0)
Critical Thinking	Minimal (1)
Civic Engagement	Minimal (1)
Quantitative Literacy	Minimal (1)
Scientific Literacy	Minimal (1)
Professional Readiness	Significant (3)

**➤ Part Two: State the course description as listed in the VCCS Master Course File**

Teaches concepts of proper application of pesticides and other agricultural chemicals used in landscape and turf management and in production agriculture; including application methods, equipment calibration and configuration, occupational health and safety, and pesticide laws and regulations.

**➤ Part Three: Print and obtain approval signatures as indicated below:**

<b>Recommended:</b>		<b>Date:</b>	
Division Dean/Director:			4/1/2022
<b>Reviewed:</b>		<b>Date:</b>	4/1/2022

After approval - Copies sent to I&C Chair, Division Dean/Director, Dean of Enrollment Services, Community Relations, and Library. Original request is filed in the VP of Academic Affairs and Workforce Solutions.



Chair, Instruction & Curriculum

Committee:

**Approved:**

Vice President, Academic Affairs  
and Workforce Solutions:

*Walter L. Bombye*

Date:

3/25/22

## MOUNTAIN EMPIRE COMMUNITY COLLEGE

### NEW COURSE APPROVAL PROCESS

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      2. **If course is approved:**
        - a. VP adds his/her signature to the original Request for Course Approval form and forwards copies to I&C Chair, Division Dean/Director, and Dean of Enrollment Services, Community Relations, and Library. Original request is filed in the VP of Academic & Student Services office.

## Smart Farming - Crop Production, Management, and Processing

		Course #	Course Title	Credit	Pre-Requisite Courses	Approved Course Substitutions	Term Offered
<b>First Year Summer</b>		AGR 142	Introduction to Plant Science and Technology	3			F,Sp, Su
		AGR 143	Introduction to Agribusiness and Financial Management	3			F,Sp, Su
		AGR 295	Grain Terminal Storage and Operation	4			F, Sp
<b>First Year Fall</b>		AGR 205	Soil Fertility and Management	3			F, Sp
		AGR 231	Agribusiness Marketing, Risk Management, and Entrepreneurship	3			F, Sp
		AGR 233	Food Production, Safety, Biosecurity, and Quality Control	3			F, Sp
		AGR 234	Chemical Application and Pest Management	3			F, Sp
<b>Total Program Credits</b>				<b>22</b>			

*Course substitutions may be available. Please see an advisor for more information.*



## MOUNTAIN EMPIRE COMMUNITY COLLEGE REQUEST FOR COURSE APPROVAL

➤ **Part One: Fill in the requested information**

Course Name:	Grain Terminal Storage and Operation	Course Number:	AGR 295
Credit Hours:	4	Lecture Contact Hours:	2
		Lab Contact Hours:	2
Minimum VCCS Instructor Qualifications (as stated in the VCCS 29):	H.S. diploma or equivalent; Associate's or equivalent in teaching field preferred, 5 years current experience.		
Special Instructor Certifications/ Requirements:	N/A		
Does the change need to be sent to the VCCS, SCHEV or SACSCOC? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
If yes, enter the appropriate response: Click here to enter text.			
Co-requisite:	N/A		
Prerequisite:	N/A		
Does MECC currently offer a course with similar content? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
If yes, list the course(s): Click here to enter text.			
Reason for offering this course:	Course will be offered in fulfillment of MECC's involvement in Project Thoroughbred.		
Institutional resources needed:	Click here to enter text.		
In which degree/certificate programs will this course be used:	Smart Farming – Crop Production, Management, and Processing		

### CORE COMPETENCIES




Indicate to what extent this course will contribute to the following core competencies:

Written Communication	Minimal (1)
Critical Thinking	Minimal (1)
Civic Engagement	Minimal (1)
Quantitative Literacy	Moderate (2)
Scientific Literacy	Moderate (2)
Professional Readiness	Moderate (2)

➤ **Part Two: State the course description as listed in the VCCS Master Course File**

**The course provides basic but comprehensive information about operations and handling procedures at grain facilities, and serves as an introduction to new hires, students and others in need of beginner-level training. Stressing safety, it focuses on how grain moves through a facility, and covers main elevator types; components and equipment; grain receiving procedures; sampling, testing and grading; binning; housekeeping and maintenance; fumigation; outbound procedures; and other fundamental grain facility functions.**

➤ **Part Three: Print and obtain approval signatures as indicated below:**

<b>Recommended:</b>		
Division Dean/Director:		Date: 4/29/22
<b>Reviewed:</b>		
Chair, Instruction & Curriculum Committee:		Date: 4/29/22
<b>Approved:</b>		Date: 5-9-22

After approval - Copies sent to I&C Chair, Division Dean/Director, Dean of Enrollment Services, Community Relations, and Library. Original request is filed in the VP of Academic Affairs and Workforce Solutions.

## Smart Farming - Crop Production, Management, and Processing

		Course #	Course Title	Credit	Pre-Requisite Courses	Approved Course Substitutions	Term Offered
<b>First Year Summer</b>	AGR	142	Introduction to Plant Science and Technology	3			F,Sp, Su
	AGR	143	Introduction to Agribusiness and Financial Management	3			F,Sp, Su
	AGR	295	Grain Terminal Storage and Operation	4			F, Sp
<b>First Year Fall</b>	AGR	205	Soil Fertility and Management	3			F, Sp
	AGR	231	Agribusiness Marketing, Risk Management, and Entrepreneurship	3			F, Sp
	AGR	233	Food Production, Safety, Biosecurity, and Quality Control	3			F, Sp
	AGR	234	Chemical Application and Pest Management	3			F, Sp
<b>Total Program Credits</b>				<b>22</b>			

*Course substitutions may be available. Please see an advisor for more information.*