ASSOCIATE IN SCIENCE

Your Butler experience will prepare you to perform specialized support functions related to agricultural business operations. This program includes learning in basic agricultural business principles, production agriculture, and management.

MINIMUM GENERAL EDUCATION HOURS REQUIRED 32

Communication
- English Comp I EG 101 3
- English Comp II EG 102 3
- Public Speaking or SP 100 3
  Interpersonal Communication SP 102

Science, Math, and Computer Science
- Microcomputers in Agriculture AG 107 3
- Crop Science or AG 220 4-5
- College Chemistry CH 110 3
- College Algebra MA 135 or above 3-5

Social/Behavioral Science Requirement
- Social Science Course EC 201 (recommended) 3
- Behavioral Science Course 3

Humanities/Fine Arts
- Humanities Course 3
- Fine Arts Course 3

Fitness and Wellness
- One fitness activity or dance course 1

Required Courses 23
- Principles of Animal Science AG 102 3
- Agriculture in Society AG 111 2
- Agricultural Economics AG 120 3
- Fund. of Livestock Nutrition AG 211 3
- Farm Management and Finance AG 215 3
- Accounting I BA 126 3
- Accounting II BA 127 3
- Managerial Accounting BA 204 3

Related Electives 7
- Livestock Selection I AG 133 3
- Livestock Selection II AG 134 3
- Livestock Judging Lab I AG 136 2
- Livestock Judging Lab II AG 137 2
- Meat Science Fundamentals AG 212 2
- Introduction to Food Science AG 213 3
- Livestock Health and Disease AG 216 3
- Marketing Agriculture Products AG 217 3
- Principles of Future Markets AG 218 3
- Beef Management AG 221 3
- Range Management AG 230 3
- Livestock Judging Lab III AG 236 2
- Livestock Judging Lab IV AG 237 2
- Livestock Rations AG 240 3
- Livestock Concepts & Practices AG 275 3
- Livestock Business Management AG 285 3
- Internship I IP 193 2
- Internship II IP 293 2

* For Judging Team students only
○ Online only

*Note: Credit hours that exceed the minimum general education requirements in math and science may be applied to required related electives where applicable.

Credits Required: 62

Contact: Marcus Arnold
316-323-6859
maarnold@butlercc.edu

In addition to the 32 credit hours of general education requirements and 11 credit hours of required courses, choose 11 or more credit hours from the list of related electives. The remaining 8 hours may be from the related elective list or any other courses that enhance transfer to the university of your choice.

Program Information
Transfer to a four-year institution, operate the family farm/ranch or enter a career in industry. More than 40 agriculture courses covering all disciplines allow students to focus on their area of interest. Butler has a state-of-the-art Agricultural Department complete with modern classroom technology, working labs and hands on learning. Butler’s Agriculture instructors are nationally recognized.

Ag Ambassadors
The Ag Ambassadors is an organization made up of students whose mission is to provide leadership in the field of agriculture to those within the school and the community. Members develop a broader understanding of current agricultural issues and career opportunities in both a social and educational atmosphere.

Recommendations
Visit with Ag faculty to determine the course sequences that meet your specific needs. Enroll early as classes tend to fill quickly. Students planning to transfer to a four-year institution should include a chemistry, biology, and managerial accounting course.

Recommended Course Sequence
Some courses are offered only once annually. Ask your advisor or instructor for details as you plan your class schedule.

First Semester
AG102, AG111, BA126, EG101, MA135

Second Semester
AG211, AG107, AG elective (3 cr hrs), BA127, EG102, Fitness req

Third Semester
AG120, AG215, AG electives (3-7 cr hrs), Behavioral Sci req, Humanities req.

Fourth Semester
AG220 or CH110, AG electives (3-7 cr hrs), BA204, SP100 or SP102

Related Programs
Agriculture, Livestock Management and Merchandising, Farm and Ranch Management, Pre-Veterinarian, Food Science and Safety.

After Butler
Recent graduates hold positions as agricultural sales representatives, crop consultants, loan officers, real estate agents, commodity merchandisers and farm managers. Students have transferred to Kansas State, Oklahoma State, Texas A&M, Texas Tech, and many other universities.
ASSOCIATE IN SCIENCE  
MAJOR CODE: AGRI

Your Butler experience will prepare you to apply general principles of agricultural production and research to the solution of practical agricultural problems. This program includes learning in basic animal, plant, economic information used in farming, ranching and agricultural business. This program is designed for the student transferring to a four-year college or university.

MINIMUM GENERAL EDUCATION HOURS REQUIRED 32

Communication
- English Comp I  EG 101 3
- English Comp II  EG 102 3
- Public Speaking or  SP 100 3
- Personal Communication  SP 102

Science, Math and Computer Science*
- Microcomputers in Agriculture  AG 107 3
- Crop Science or  AG 220 4-5
- College Chemistry  CH 110
- College Algebra  MA 135 or above 3-5

Social/Behavioral Science
- Social Science Course  EC 201 (recommended) 3
- Behavioral Science Course  3

Humanities/Fine Arts
- Humanities Course  3
- Fine Arts Course  3

Fitness and Wellness
- One fitness activity or dance course  1

Required Courses 22
- Principles of Animal Science  AG 102 3
- Agriculture in Society  AG 111 2
- Agricultural Economics  AG 120 3
- Fund. of Livestock Nutrition  AG 211 3
- Farm Management and Finance  AG 215 3
- Accounting I  BA 126 3
- General Biology  BI 110 5

Related Electives 8
- Breeding Livestock Prod Mgmt  AG 109 3
- Livestock Selection I  AG 133 3
- Livestock Selection II  AG 134 3
- Livestock Judging Lab  AG 136 2
- Livestock Judging Lab II  AG 137 2
- Meat Science Fundamentals  AG 212 2
- Introduction to Food Science  AG 213 3
- Livestock Health and Disease  AG 216 3
- Marketing Agriculture Products  AG 217 3
- Principles of Future Markets  AG 218 5
- Beef Management  AG 221 3
- Range Management  AG 230 3
- Livestock Judging Lab III  AG 236 2
- Livestock Judging Lab IV  AG 237 2
- Livestock Rations  AG 240 3
- Livestock Concepts & Practices  AG 275 3
- Livestock Business Management  AG 285 3
- Accounting II  BA 127 3
- Internship I  IP 193 2
- Internship II  IP 293 2

*Note: Credit hours that exceed the minimum general education requirements in math and science may be applied to required related electives where applicable.

Credits Required: 62

Contact: Marcus Arnold  
316-323-6859  
maarnold@butlercc.edu

Program Information
Transfer to a four-year institution and/or operate the family farm/ranch. More than 40 agriculture courses in the areas of animal science, agribusiness, farm and ranch management, crops and soils, pre-veterinary medicine and livestock production management allow students to focus on their areas of interest. Butler has a state-of-the-art Agriculture facility on the south end of the El Dorado campus complete with modern classrooms, computer lab, activity space, and learning labs. Butler’s Agriculture instructors are nationally recognized.

Ag Ambassadors
The Ag Ambassadors is an organization made up of students whose mission is to provide leadership in the field of agriculture to those within the school and the community. Members develop a broader understanding of current agricultural issues and career opportunities in both a social and educational atmosphere.

Recommendations
Visit with Ag faculty to determine the course sequences that meet your specific needs. Enroll early as classes tend to fill quickly. Students planning to transfer to a four-year institution should include a chemistry and biology course.

Related Programs
Agribusiness, Livestock Management and Merchandising, Farm and Ranch Management, Pre-Veterinarian

Recommended Course Sequence
Some courses are offered only once annually. Ask your advisor or instructor for details as you plan your class schedule.

First Semester
AG102, AG111, BA126, EG101, MA135

Second Semester
AG211, AG107, AG elective (3 cr hrs), BA127, EG102, Fitness req

Third Semester
AG120, AG215, AG electives (3-7 cr hrs), Behavioral Sci req, Humanities req

Fourth Semester
AG220 or CH110, AG electives (3-7 cr hrs), SP100 or SP102

After Butler
Recent graduates hold positions as commodity merchandisers, agricultural educators, 4-H and youth extension agents, and realtors. Students have transferred to Kansas State, Oklahoma State, Texas A&M, and many other universities.
ASSOCIATE IN APPLIED SCIENCE
MAJOR CODE: LVMG

Your Butler experience will prepare you to select, breed, care for, process, and market livestock. This program includes learning in basic animal science, animal nutrition, and animal health as applied to various species and breeds. Design and operation of housing, feeding, processing facilities, related issues of safety, applicable regulations, logistics, and marketing management are included.

**MINIMUM GENERAL EDUCATION HOURS REQUIRED** | 19
---|---
- English Comp I | EG 101 | 3
- One other course | EG 102, EG 112, SP 100, SP 102 | 3

**Science, Math, and Computer Science**
- Microcomputer in Agriculture | AG 107 | 3
- Crop Science or | AG 220 | 4-5
- College Chemistry | CH 110 | 
- Technical Mathematics I | MA 114 or above | 3-5

**Social/Behavioral Science**
- Agricultural Economics | AG 120 | 3

**Required Courses** | 17
---|---
- Principles of Animal Science | AG 102 | 3
- Breeding Livestock Prod. Mgmt. | AG 109 | 3
- Agriculture in Society | AG 111 | 2
- Fund. of Livestock Nutrition | AG 211 | 3
- Farm Mgmt and Finance | AG 215 | 3
- Accounting I | BA 126 | 3

**Related Electives** | 26
---|---
- Livestock Selection I * | AG 133 | 3
- Livestock Selection II * | AG 134 | 3
- Livestock Judging Lab I* | AG 136 | 2
- Livestock Judging Lab II* | AG 137 | 2
- Meat Science Fundamentals | AG 212 | 2
- Introduction to Food Science | AG 213 | 3
- Livestock Health and Disease | AG 216 | 3
- Marketing Agriculture Products | AG 217 | 3
- Principles of Futures Markets | AG 218 | 3
- Beef Management | AG 221 | 3
- Range Management | AG 230 | 3
- Livestock Judging Lab III* | AG 236 | 2
- Livestock Judging Lab IV* | AG 237 | 2
- Livestock Rations | AG 240 | 3
- Livestock Concepts & Practices | AG 275 | 3
- Livestock Business Management | AG 285 | 3
- General Biology | BI 110 | 5
- College Chemistry I | CH 110 | 5

*For Judging Team students only

*Note: Credit hours that exceed the minimum general education requirements in math and science may be applied to required related electives where applicable.

---

Credit Required: 62
Contact: Marcus Arnold
316-323-6859
maarnold@butlercc.edu

**Program Information**
Transfer to a four-year institution and/or operate the family farm/ranch. More than 40 agriculture courses in the areas of animal science, agribusiness, farm and ranch management, crops and soils, pre-veterinary medicine and livestock production management allow students to focus on their areas of interest. Butler has a state-of-the-art Agriculture facility on the south end of the El Dorado campus complete with modern classrooms, computer lab, activity space, and learning labs. Butler’s Agriculture instructors are nationally recognized.

**Ag Ambassadors**
The Ag Ambassadors is an organization made up of students whose mission is to provide leadership in the field of agriculture to those within the school and the community. Members develop a broader understanding of current agricultural issues and career opportunities in both a social and educational atmosphere.

**Recommendations**
Visit with Ag faculty to determine the course sequences that meet your specific needs. Enroll early as classes tend to fill quickly. Students planning to transfer to a four-year institution should include a chemistry and biology course.

**Related Programs**
Agribusiness, Agriculture, Farm and Ranch Management, Pre-Veterinarian

**Recommended Course Sequence**
Some courses are offered only once annually. Ask your advisor or instructor for details as you plan your class schedule.

**First Semester**
AG102, AG111, BA126, EG101, MA135

**Second Semester**
AG211, AG107, AG elective (3 cr hrs), BA127, EG102, Fitness req

**Third Semester**
AG120, AG215, AG electives (3-7 cr hrs), Behavioral Sci req, Humanities req,

**Fourth Semester**
AG220 or CH110, AG electives (3-7 cr hrs), SP100 or SP102

**After Butler**
Recent graduates hold positions in farm and ranch management, agricultural sales and teaching. Students have transferred to Kansas State, Oklahoma State, Texas A&M, Texas Tech, and many other universities.

**Wages**
Salary/hourly rates are dependent on skill level, experience and location.

**Career Coach**
https://butlercc.emsicareercoach.com/
CERTIFICATE B
MAJOR CODE: LVMG

Your Butler experience will prepare you to apply general principles of agricultural production and management to the solution of practical agricultural problems. This program includes learning in basic animal, plant, and management of agricultural operations such as farming, ranching and agricultural business.

**Required Courses**

- Principles of Animal Science  AG 102  3
- Microcomputers in Agriculture  AG 107  3
- Agricultural Economics  AG 120  3
- Fund. of Livestock Nutrition  AG 211  3
- Farm Mgmt and Finance  AG 215  3
- Crop Science  AG 220  4
- Accounting I  BA 126  3

<table>
<thead>
<tr>
<th>Credits Required</th>
<th>31</th>
</tr>
</thead>
</table>
| Contact          | Marcus Arnold  
316-323-6859  
maarnold@butlercc |

**Program Information**

Transfer to a four-year institution and/or operate the family farm/ranch. More than 40 agriculture courses in the areas of animal science, agribusiness, farm and ranch management, crops and soils, pre-veterinary medicine and livestock production management allow students to focus on their areas of interest. Butler has a state-of-the-art Agriculture facility on the south end of the El Dorado campus complete with modern classrooms, computer lab, activity space, and learning labs. Butler’s Agriculture instructors are nationally recognized.

**Ag Ambassadors**

The Ag Ambassadors is an organization made up of students whose mission is to provide leadership in the field of agriculture to those within the school and the community. Members develop a broader understanding of current agricultural issues and career opportunities in both a social and educational atmosphere.

**Recommendations**

Visit with departmental faculty to determine the course sequences that meet your specific needs. Enroll early as classes tend to fill quickly.

**Related Programs**

Agribusiness, Agriculture, Farm and Ranch Management, Livestock Management, and Merchandising, and Food Science and Safety.

**Recommended Course Sequence**

Some courses are offered only once annually. Ask your advisor or instructor for details as you plan your class schedule.

**First Semester**

AG102, AG120, AG211, BA126, AG107

**Second Semester**

AG215, AG220, and AG electives (9 cr hrs)

**After Butler**

Recent certificate graduates hold positions as farm and ranch managers and numerous agriculture related occupations. Students have transferred to Kansas State, Oklahoma State, Texas A&M, Texas Tech, and many other universities.

**Wages**

Salary/hourly rates are dependent on skill level, experience and location.

**Career Coach**

https://butlercc.emsicareercoach.com/

**Gainful Employment**

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at:

http://documents.butlercc.edu/gainful-employment/Livestock-Mgmt/Gedt.html
ASSOCIATE IN APPLIED SCIENCE
MAJOR CODE: FRMG

Your Butler experience will prepare you to manage farms, ranches, and similar agribusiness enterprises. This program includes learning in applicable agricultural specialization, business management, and production.

MINIMUM GENERAL EDUCATION HOURS REQUIRED  19

Communication
☐ English Comp I  EG 101  3
☐ One other course  EG 102, EG 112, SP 100, SP 102  3

Science, Math, and Computer Science*
☐ Microcomputer in Agriculture  AG 107  3
☐ Crop Science or  AG 220  4-5
☐ College Chemistry  CH 110  3
☐ Technical Mathematics I  MA 114 or above  3-5

Social/Behavioral Science
☐ Agricultural Economics  AG 120  3

Required Courses  20
☐ Principles of Animal Science  AG 102  3
☐ Breeding Livestock Prod. Mgmt.  AG 109  3
☐ Agriculture in Society  AG 111  2
☐ Fund. of Livestock Nutrition  AG 211  3
☐ Farm Mgmt and Finance  AG 215  3
☐ Range Management  AG 230  3
☐ Accounting I  BA 126  3

Related Electives  23
☐ Livestock Selection I*  AG 133  3
☐ Livestock Selection II*  AG 134  3
☐ Livestock Judging Lab I*  AG 136  2
☐ Livestock Judging Lab II*  AG 137  2
☐ Meat Science Fundamentals  AG 212  2
☐ Introduction to Food Science  AG 213  3
☐ Livestock Health and Disease  AG 216  3
☐ Marketing Agriculture Products  AG 217  3
☐ Principles of Futures Markets  AG 218  3
☐ Beef Management  AG 221  3
☐ Livestock Judging Lab III*  AG 236  2
☐ Livestock Judging Lab IV*  AG 237  2
☐ Livestock Rations  AG 240  3
☐ Livestock Concepts & Practices  AG 275  3
☐ General Biology  BI 110  5

*For Judging Team students only

*Note: Credit hours that exceed the minimum general education requirements in math and science may be applied to required related electives where applicable.

Credits Required:  62

Contact: Marcus Arnold
316-323-6859
maarnold@butlercc

If Required Courses are used to fulfill General Education Requirements, Related Electives must be used to fulfill equivalent number of hours.

Program Information
Transfer to a four-year institution and/or operate the family farm/ranch. More than 40 agriculture courses in the areas of animal science, agribusiness, farm and ranch management, crops and soils, pre-veterinary medicine and livestock production management allow students to focus on their areas of interest. Butler has a state-of-the-art Agriculture facility on the south end of the El Dorado campus complete with modern classrooms, computer lab, activity space, and learning labs. Butler’s Agriculture instructors are nationally recognized.

Ag Ambassadors
The Ag Ambassadors is an organization made up of students whose mission is to provide leadership in the field of agriculture to those within the school and the community. Members develop a broader understanding of current agricultural issues and career opportunities in both a social and educational atmosphere.

Recommendations
Visit with departmental faculty to determine the course sequences that meet your specific needs. Enroll early as classes tend to fill quickly.

Related Programs
Agribusiness, Agriculture, Livestock Management and Merchandising Pre-Veterinarian, and Food Science and Safety.

Recommended Course Sequence
Some courses are offered only once annually. Ask your advisor or instructor for details as you plan your class schedule.

First Semester
AG102, AG120, AG111, AG107

Second Semester
AG211, AG220, AG109, BA126, and AG electives (3 cr hrs)

Third Semester
AG230, AG215, AG electives (9 cr hrs)

Fourth Semester
AG electives (8 cr hrs)

After Butler
Recent graduates hold positions as farm and ranch managers, crop consultants, soil conservationists, and in agribusiness. Students have transferred to Kansas State, Oklahoma State, Texas A&M, Texas Tech, and many other universities.

Wages
Salary/hourly rates are dependent on skill level, experience and location.

Career Coach
https://butlercc.emsicareercoach.com/
ASSOCIATE IN SCIENCE  
MAJOR CODE: VETR

Your Butler experience will prepare you to have the background in required courses to transfer into a university program in veterinary medicine. See Agriculture Lead Instructor for veterinary school requirements.

MINIMUM GENERAL EDUCATION REQUIREMENTS  
32

Communication
- English Comp I  
  EG 101  
  3
- English Comp II  
  EG 102  
  3
- Public Speaking or Interpersonal Communication  
  SP 100  
  3

Science, Math and Computer Science*
- Microcomputers in Agriculture  
  AG 107  
  3
- College Chemistry I  
  CH 110  
  5
- College Algebra  
  MA 135 or above  
  3-5

Social/Behavioral Science
- Social Science Course (EC 201 recommended)  
  3
- Behavioral Science Course  
  3

Humanities/Fine Arts
- Fine Arts Course  
  3
- Humanities Course  
  3

Fitness and Wellness
- One fitness activity or dance course  
  1

Required Courses  
30
- Principles of Animal Science  
  AG 102  
  3
- Agriculture in Society  
  AG 111  
  2
- Agricultural Economics  
  AG 120  
  3
- Crop Science  
  AG 220  
  4
- Fund. of Livestock Nutrition  
  AG 211  
  3
- General Biology  
  BI 110  
  5
- Chemistry II  
  CH 115  
  5
- General Physics I  
  PH 143  
  5

*Note: Credit hours that exceed the minimum general education requirements in math and science may be applied to required related electives where applicable.

Credits Required: 63

Contact: Marcus Arnold  
316-323-6859  
maarnold@butlercc

Program Information
Transfer to a four-year institution and/or operate the family farm/ranch. More than 40 agriculture courses in the areas of animal science, agribusiness, farm and ranch management, crops and soils, pre-veterinary medicine and livestock production management allow students to focus on their areas of interest. Butler has a state-of-the-art Agriculture facility on the south end of the El Dorado campus complete with modern classrooms, computer lab, activity space, and learning labs. Butler’s Agriculture instructors are nationally recognized.

Ag Ambassadors
The Ag Ambassadors is an organization made up of students whose mission is to provide leadership in the field of agriculture to those within the school and the community. Members develop a broader understanding of current agricultural issues and career opportunities in both a social and educational atmosphere.

Recommendations
Visit with agricultural departmental faculty to determine the course sequences that meet your specific needs. Enroll early as classes tend to fill quickly. Students follow 4-year program options in one of the following: Animals Science pre-vet, Agronomy pre-vet, Agriculture Economics pre-vet when transferring.

Related Programs
Agribusiness, Agriculture, Farm and Ranch Management, Pre-Veterinarian, and Food Science and Safety.

Recommended Course Sequence
Some courses are offered only once annually. Ask your advisor or instructor for details as you plan your class schedule.

First Semester
AG102, AG111, CH110, AG120

Second Semester
AG211, CH115, AG107, AG220

Third Semester
BI110

Fourth Semester
PH143

After Butler
Pre-Veterinarian program students transfer to universities with Pre-vet options in Animal Science, Agronomy, or Agricultural Economics. The student makes application to veterinarian school on October 1st of Junior year.

Recent graduates hold positions as managers, sales representatives, in research and development, bio-security, bio technology, food safety, operations analysts, plant supervisors and marketing specialists. Students have transferred to Kansas State, Oklahoma State, Texas A&M, Texas Tech, and many other universities.
ASSOCIATE IN SCIENCE  
MAJOR CODE: AGFS

Your Butler experience will provide you with the basic general education requirements and background work necessary to transfer to a four-year college. Work closely with your advisor since specific requirements differ with each institution.

| MINIMUM GENERAL EDUCATION HOURS REQUIRED | 32 |
| Communication                              |    |
| □ English Comp                             | EG 101 | 3 |
| □ English Comp II                          | EG 102 | 3 |
| □ Public Speaking or Interpersonal Communication | SP 100 | 3 |

| Science and Math*                           |    |
| □ General Biology                          | BI 110 | 5 |
| □ College Chemistry I                      | CH 110 | 5 |
| □ College Algebra                          | MA 135 or above | 3-5 |

| Social/Behavioral Science                   |    |
| □ Agricultural Economics                   | AG 120 | 3 |
| □ Behavioral Science Course                |    |

| Humanities/Fine Arts                       |    |
| □ Humanities Course                        | 3 |
| □ Fine Arts Course                         | 3 |

| Fitness and Wellness                       |    |
| □ One fitness activity or dance course     | 1 |

| Required Courses                           | 30 |
| □ Meat Science Fundamentals                | AG 212 | 2 |
| □ Introduction to Food Science             | AG 213 | 3 |
| □ Microbiology                             | BI 250 | 5 |
| □ College Chemistry II                     | CH 115 | 5 |
| □ Organic Chemistry I                      | CH 240 | 5 |
| □ Organic Chemistry II                     | CH 245 | 5 |
| □ Physics I                                | PH 251 | 5 |

*Note: Credit hours that exceed the minimum general education requirements in math and science may be applied to required related electives where applicable.

Credits Required: 62

Contact: Marcus Arnold  
316-323-6859  
maarnold@butlercc

Program Information
The Associate in Science in Food Science and Safety is designed for students planning to seek to transfer to a four-year college. Food science students will learn how chemistry, nutrition, biology and other sciences improve the safety and quality of foods, how new food products and flavors are developed, and how safer and more energy efficient food processes are designed.

Ag Ambassadors
The Ag Ambassadors is an organization made up of students whose mission is to provide leadership in the field of agriculture to those within the school and the community. Members develop a broader understanding of current agricultural issues and career opportunities in both a social and educational atmosphere.

Related Programs
Biology, Agribusiness, Farm and Ranch Management, Pre-Veterinarian

Recommended Course Sequence
Some courses are offered only once annually. Ask your advisor or instructor for details as you plan your class schedule.

First Semester  
MA135, CH110

Second Semester  
CH115, AG213, BI110

Third Semester  
CH240, BI250

Fourth Semester  
CH245, PH251, AG212

After Butler

Students have transferred to Kansas State, Oklahoma State, Texas A&M, Texas Tech, and many other universities.