



BIOLOGY

ASSOCIATE IN SCIENCE

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.

	HOURS
Communications	9
<input type="checkbox"/> English Comp	EG 101
<input type="checkbox"/> English Comp II	EG 102
<input type="checkbox"/> Public Speaking or	SP 100
<input type="checkbox"/> Interpersonal Communication	SP 102
Science and Math	10*
<input type="checkbox"/> Math Requirement	MA 131 or above
<input type="checkbox"/> Majors Biology I	BI 120
<input type="checkbox"/> Majors Biology II	BI 130
Social/Behavioral Science	6
<input type="checkbox"/> Social Science Requirement	
<input type="checkbox"/> General Psychology	BS 160
Humanities/Fine Arts	6
<input type="checkbox"/> Humanities Requirement	
<input type="checkbox"/> Fine Arts Requirement	
Physical Education	1
<input type="checkbox"/> Physical Education Requirement	

A minimum of 62 credit hours is required for the Associate in Science degree. In addition to general education requirements, coursework to complete the 62 credit hours is listed below:

Required Courses	20	
<input type="checkbox"/> College Chemistry I	CH 110	5
<input type="checkbox"/> College Chemistry II	CH 115	5
<input type="checkbox"/> Organic Chemistry I	CH 240	5
<input type="checkbox"/> Organic Chemistry II	CH 245	5
*Related Electives	10	
<input type="checkbox"/> BI 218	<input type="checkbox"/> BI 230	<input type="checkbox"/> BI 250
<input type="checkbox"/> BI 226	<input type="checkbox"/> BI 238	<input type="checkbox"/> BI 252
<input type="checkbox"/> BI 227	<input type="checkbox"/> BI 240	<input type="checkbox"/> EV 150
<input type="checkbox"/> BI 228	<input type="checkbox"/> BI 245	

*Related elective hours are met with extra hours in math and science above.

BIOLOGICAL SCIENCE

Career Program

Degree Offered: Associate in Science

Credits Required: 62 minimum

Contact: Dr. William Langley, Lead Instructor for Biology at 316.322.3139

Program Information

The Associate in Science in biological science is designed for students planning to seek to transfer to a four-year college and requires a minimum of 20 credit hours in requirements in addition to the general education requirements. Are you curious about the living world around you? Enroll in the Butler Biological Science programs and prepare for a bright future in the fields of healthcare, environmental, biological sciences and veterinary medicine. Covering the breadth of microbiology to human physiology to environmental sciences, from the smallest organisms to our human world and ties that connect them all, the biological sciences describe how the living world works. The science of life is relevant to us all.

Related Programs

Pre-Medicine

Recommended Course Sequence

Semester 1:

EG 101; SP 100; CH 110; MA 131 or above; Physical Education Requirement

Semester 2:

EG 102; CH 115; Humanities Requirement; Social Sciences Requirement

Semester 3:

BI 120; CH 240; Behavioral Science Requirement; Fine Arts Requirement

Semester 4:

BI 130; Related Electives

After Butler

Career opportunities include lab technician, wildlife biologist, pharmacist, medical technologist, medical doctor, veterinarian, environmental technician, botanist, and zoologist.



CHEMISTRY**ASSOCIATE IN SCIENCE**

	HOURS
Communications	9
<input type="checkbox"/> English Comp I	EG 101
<input type="checkbox"/> English Comp II	EG 102
<input type="checkbox"/> Public Speaking or	SP 100
<input type="checkbox"/> Interpersonal Communication	SP 102
Science and Math*	10*
<input type="checkbox"/> Calculus I with Analytic Geometry	MA 151
<input type="checkbox"/> College Chemistry I	CH 110
<input type="checkbox"/> College Chemistry II	CH 115
Social/Behavioral Science	6
<input type="checkbox"/> Social Science Requirement	
<input type="checkbox"/> Behavioral Science Requirement	
Humanities/Fine Arts	6
<input type="checkbox"/> Humanities Requirement	
<input type="checkbox"/> Fine Arts Requirement	
Physical Education	1
<input type="checkbox"/> Physical Education Requirement	

A minimum of 62 credit hours is required for the Associate in Science degree. In addition to general education requirements, coursework to complete this Associate in Science degree is listed below:

Required Courses		28
<input type="checkbox"/> Organic Chemistry I	CH 240	5
<input type="checkbox"/> Organic Chemistry II	CH 245	5
<input type="checkbox"/> Calculus II w/Analytic Geometry	MA 152	5
<input type="checkbox"/> Calculus III w/Analytic Geometry	MA 253	3
<input type="checkbox"/> Physics I	PH 251	5
<input type="checkbox"/> Physics II	PH 252	5
Related Electives		2

*Related elective hours are met with extra hours in math and science above.

Program Information

Do you have a strong passion for the physical sciences or medical profession? Join Butler's Chemistry and Physics program. When you join this academic area you will not only learn the theories but the practical applications in everyday life. You will be able to apply these theories within and outside of the classroom. The Sciences are not bound by walls. The Associate in Science degree is designed for students planning to transfer to a four-year college and requires a minimum of 28 credit hours of the following course requirements in addition to the general education requirements.

After Butler

Career opportunities include chemist, microbiologist, physicist, science teacher, investigative positions, waste manager, water plant manager, wet chemist, quality control manager, and many more.

CHEMISTRY**Career Program**

Degree Offered: Associate in Science

Credits Required: 62 minimum

Contact: Robert Carlson, Lead Instructor for Chemistry and Physics at 316.322.3137

Related Programs

Physics

Recommended Course Sequence

Semester 1:

EG 101; MA 151; CH 110; Social Science Req.

Semester 2:

EG 102; MA 152; CH 115; Behavioral Science Req.;

Semester 3:

CH 240; MA 253; PH 251; Humanities Req.

Semester 4:

CH 245; PH 252; SP 100; Fine Arts Req.; Physical Education Req.



PHYSICS

ASSOCIATE IN SCIENCE

	HOURS
Communications	9
<input type="checkbox"/> English Comp I	EG 101
<input type="checkbox"/> English Comp II	EG 102
<input type="checkbox"/> Public Speaking or	SP 100
<input type="checkbox"/> Interpersonal Communication	SP 102
Science and Math	10*
<input type="checkbox"/> Calculus I with Analytic Geometry	MA 151 5
<input type="checkbox"/> Physics I	PH 251 5
Social/Behavioral Science	6
<input type="checkbox"/> Social Science Requirement	
<input type="checkbox"/> Behavioral Science Requirement	BS 160
Humanities/Fine Arts	6
<input type="checkbox"/> Humanities Requirement	
<input type="checkbox"/> Fine Arts Requirement	
Physical Education	1
<input type="checkbox"/> Physical Education Requirement	

A minimum of 62 credit hours is required for the Associate in Science degree. In addition to general education requirements, coursework to complete this Associate in Science degree is listed below:

Required Courses	HOURS
<input type="checkbox"/> Calculus II w/Analytic Geometry	MA 152 5
<input type="checkbox"/> Calculus III w/Analytic Geometry	MA 253 3
<input type="checkbox"/> Differential Equations	MA 260 3
<input type="checkbox"/> College Chemistry I	CH 110 5
<input type="checkbox"/> College Chemistry II	CH 115 5
<input type="checkbox"/> Physics II	PH 252 5
Related Electives	4
* Some related elective hours are met with extra hours in math and science above.	

After Butler

Career fields include chemistry, microbiology, physics, teaching, investigating, waste managing, water plant managing, wet chemistry, and quality control managing.

PHYSICS

Career Program

Degree Offered: Associate in Science

Credits Required: 62 minimum

Contact: Robert Carlson, Chemistry/Physics Lead
Instructor, at 316.322.3137

Program Information

The Associate in Science degree is designed for students planning to transfer to a four-year college and requires a minimum of 26 credit hours of the following course requirements in addition to the general education requirements. Do you have a strong passion for the physical sciences or medical profession? Join Butler's Chemistry and Physics Science program. When you join this academic area you will not only learn the theories but the practical applications of these theories in everyday life. You will be able to apply these theories within and outside of the classroom. The Sciences are not bound by walls.

Related Programs

Chemistry

Recommended Course Sequence

Semester 1:

EG 101, MA 151, CH 110, Social Science Requirement

Semester 2:

EG 102, MA 152, CH 115, Behavioral Science Requirement,

Semester 3:

SP 100, CH 230, MA 253, PH 251, Humanities Requirement

Semester 4:

MA 260, PH 252, EC 200, Fine Arts Requirement, Physical Education Requirement



MATHEMATICS

ASSOCIATE IN ARTS

	HOURS
Communications	9
<input type="checkbox"/> English Comp I	EG 101
<input type="checkbox"/> English Comp II	EG 102
<input type="checkbox"/> Public Speaking or	SP 100
<input type="checkbox"/> Interpersonal Communication	SP102
Science and Math	10
<input type="checkbox"/> Calculus I with Analytic Geometry	MA 151
<input type="checkbox"/> College Chemistry I	CH 110
Social/Behavioral Science	9
<input type="checkbox"/> Social Science Requirement	
<input type="checkbox"/> Behavioral Science Requirement	
<input type="checkbox"/> Social or Behavioral Science Requirement	
Humanities/Fine Arts	9
<input type="checkbox"/> Humanities Requirement	
<input type="checkbox"/> Fine Arts Requirement	
<input type="checkbox"/> One additional course	
Physical Education	1
<input type="checkbox"/> Physical Education Requirement	

A minimum of 62 credit hours is required for the Associate in Science or the Associate of Arts degree. In addition to general education requirements, coursework to complete the degree chosen above are listed below:

Required Courses	21	
<input type="checkbox"/> Calculus II w/ Analytic Geometry	MA 252	5
<input type="checkbox"/> Calculus III w/Analytic Geometry	MA 253	3
<input type="checkbox"/> Differential Equations	MA 260	3
<input type="checkbox"/> Physics I	PH 251	5
<input type="checkbox"/> Physics II	PH 252	5
*Related Electives	3	

MATHEMATICS

ASSOCIATE IN SCIENCE

	HOURS
Communications	9
<input type="checkbox"/> English Comp I	EG 101
<input type="checkbox"/> English Comp II	EG 102
<input type="checkbox"/> Public Speaking or	SP 100
<input type="checkbox"/> Interpersonal Communication	SP102
Science and Math	10*
<input type="checkbox"/> Calculus I with Analytic Geometry	MA 151
<input type="checkbox"/> College Chemistry I	CH 110
Social/Behavioral Science	6
<input type="checkbox"/> Social Science Requirement	
<input type="checkbox"/> Behavioral Science Requirement	
Humanities/Fine Arts	6
<input type="checkbox"/> Humanities Requirement	
<input type="checkbox"/> Fine Arts Requirement	

Physical Education	1
Required Courses	21

<input type="checkbox"/> Calculus II with Analytic Geometry	MA 152	5
<input type="checkbox"/> Calculus III w/Analytic Geometry	MA 253	3
<input type="checkbox"/> Differential Equations	MA 260	3
<input type="checkbox"/> Physics I	PH 251	5
<input type="checkbox"/> Physics II	PH 252	5

Related Electives	9
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* Related elective hours are met with extra hours in math and science above.

MATHEMATICS

Career Program

Degree Offered: Associate in Science and Associate in Arts

Credits Required: 62 minimum

Contact: Larry Friesen, Lead Instructor for Mathematics at 316.322.3138

Program Information

Interested in problem solving? Want to transfer to a university or 4 year college in Math, Engineering, or the Sciences? Butler Community College has a supportive learning environment for students who excel in Mathematics or for students who need extra help. Experienced instructors, with graduate degrees, can give you individual attention. The maximum size for any math class is 25. Courses available range from basic math and algebra to calculus and differential equations. Butler has agreements with the state universities for course transfer. The Math Department wants to help you meet your goals.

Recommended Course Sequence

Semester 1:

EG 101, MA 151, CH 110, Physical Education Requirement, Social Science Requirement

Semester 2:

EG 102, MA 152, SP 100, Fine Arts Requirement, Related Electives

Semester 3:

MA 253, PH 251, Humanities Requirement, Behavioral Science Requirement

Semester 4:

MA 260, PH 252, Related Electives

Related Electives

EN - Any Eng. Tech/Pre-Eng. Course

IN - Any Information, Technology Course

MA 220 or MA 210, CH 105, CH 110

After Butler

Career opportunities include engineer, statistician, mathematician, mathematics or engineering instructor.