

Triton College Associate of Science degree

Semester 1					Semester 2				
GECC/Degree Requirement	IAI Code	TC course	BenU course equivalent	Hours	GECC/Degree Requirement	IAI Code	TC course	BenU course equivalent	Hours
Writing I	C1 900	RHT 101	WRIT 101	3	Writing II	C1 901R	RHT 102	WRIT 102	3
Biology Sequence Course	BIO 910	BIS 150	BIOL 198	4	Biology Sequence Course ²	BIOL 910	BIS 151	BIOL 197/199	4
General Chemistry for Science Majors	CHM 911	CHM 140	CHEM 113/114	5	General Chemistry for Science Majors	CHM 912	CHM 141	CHEM 123/124	5
College Level Calculus I* ¹	M1 900-1	MAT 131	MATH 210	5	Oral Communications	C2 900	SPE 101	SPCH 110	3
<i>* Alternative sequence may be:</i>					Intro to Psychology ³	S6 900	PSY 100	PSYC 100 QIO	3
<i>Per placement</i>	<i>Pre-Calc II Trig</i>	MAT 114	MATH 111	3	<i>* College Level Calculus</i>	<i>M1 900-1</i>	MAT 131	MATH 210	*5
Total				17	Total				18
Semester 3					Semester 4				
GECC/Degree Requirement	IAI Code	TC course	BenU course equivalent	Hours	GECC/Degree Requirement	IAI Code	TC course	BenU course equivalent	Hours
Organic Chemistry I	CHM 913	CHM 234	CHEM 242/243	5	Organic Chemistry II	CHM 914	CHM 235	CHEM 247/248	5
General Physics I ⁴	P2 900L	PHY 101	PHYS 113/114	5	General Physics II ⁴		PHY 102	PHYS 118/119	5
IAI Humanities - Ethics ⁵	H4 904	PHL 103	PHIL 245	3	IAI Fine Arts/ Humanities	F1, F2, F9 HF		QCA	3
IAI Social/ Beh. Science ⁶	S1, S2, S5, S7, S9	Consult catalog	QPE or QIO	3	IAI Soc/Beh Science	S1, S3, S4, S5, S6, S7		QIO or QPE	3
Transfer Elective IAI/Major ⁷				3	IAI - Humanities	H2, S2 or H3, or H5		QHT or QLR or QRT	3
Total				19	Total				19
					Associate of Science Degree				

¹Students who do not transfer in college level calculus may not be able to complete the science degree program in four semesters.

² Students who transfer in the biology sequence will be eligible for BIOL 299

³ Recommend student take introduction to psychology or a course that meets IAI social/behavioral science course requirement

⁴Students who do not transfer in a physics sequence with labs will be required to complete these courses for degree completion upon meeting pre-requisites at Benedictine University and may not be able to complete the science degree program in four semesters

⁵ Recommend student take approved ethics course – IAI Code H4 904

⁶ Recommend students take IAI course S3 901 or S3 902 –at TC course ECO 102 or ECO 103

⁷ Depending on math sequence, students may need to take an additional IAI GECC course. Students should consult with an academic advisor.

Degree Completion at Benedictine University

Completion Plan for Health Science, Biology and Pre-professional Programs

Benedictine University recognizes students have many elective choices while attending community colleges. Students who intend to pursue a bachelor's degree in the sciences are strongly encouraged to take the following science sequences prior to transferring to Benedictine University:

Science Sequence	TC course	TC course title	BenU course equivalent	BenU course title
Biology				
	BIS 150	Principles of Biology I	BIOL 198	Principles of Biology
	BIS 151	Principles of Biology II	BIOL 197/199	Principles of Organismal Biology & Lab
Chemistry				
	CHM 140	General Chemistry I	CHEM 113 /114	General Chemistry I & Lab
	CHM 141	General Chemistry II	CHEM 123/124	General Chemistry II & Lab
	CHM 234	Organic Chemistry I	CHEM 242/243	Organic Chemistry I & Lab
	CHM 235	Organic Chemistry II	CHEM 247/248	Organic Chemistry II & Lab
Physics				
	PHY 101	General Physics I	PHYS 113/114	College Physics I & Lab
	PHY 102	General Physics II	PHYS 118/119	College Physics II & Lab
Mathematics				
	MAT 114	Plane Trigonometry	MATH 111	College Trigonometry
	MAT 131	Calculus and Analytic Geometry I	MATH 210	Calculus for the Physical Sciences I

Students presenting completed AA/AS degree:

- Will satisfy the general education course requirements at Benedictine University.
- Transfer students who have completed distribution requirements and required elective courses (with the exception of the IDS seminars and the LC/EL co-curricular requirements) will be evaluated for any additional co-curricular requirements

Students will be required to meet degree eligibility as specified by the sciences departments:

Acceptance into the Biology Program: A student will gain acceptance to either biology major (B.S. or B.A.) by completing BIOL 197/199, BIOL 198, CHEM 113, and CHEM123 with a grade of "C" or better in each of these courses, and receiving no more than a total of three "W," "D" or "F" grades in these courses. The entire introductory sequence of BIOL 197/199, BIOL 198, CHEM 113 and CHEM 123 must be completed prior to taking any 200-level courses in BIOL. A transfer student will gain acceptance by meeting these requirements through equivalent transfer courses.

Acceptance into the Health Sciences program: A student will gain acceptance to the health science major by completing BIOL 197/199, BIOL 198, CHEM 113, and CHEM123 with a grade of "C" or better in each of these courses, and receiving no more than a total of three "W," "D" or "F" grades in these courses. The entire introductory sequence of BIOL 197/199, BIOL 198, CHEM 113 and CHEM123 must be completed prior to taking any 200-level courses in BIOL. A transfer student will gain acceptance by meeting these requirements through equivalent transfer courses.

If it is determined at any time that a student cannot gain acceptance to the respective College of Sciences program or cannot graduate with a student's original transfer intended College of Science degree, the student will be required to change his or her major and work with academic advising for alternative degree plans outside of that program.

Students who receive their Associate of Arts or Sciences degree without completing the required science pre-requisites or sequences will be placed in the appropriate level coursework for their degree completion pathway.

Many BenU programs require a two-course sequence of upper level anatomy & physiology (BIOL 203 & 208) which students may enroll in upon transfer if biology sequence is completed and chemistry requirements are met. Students who transfer in lower level anatomy & physiology courses (BIOL 157 & 158) will still need to complete BIOL 203 & 208 (upper level A & P courses) for degree requirements.

This is a sample plan for a typical transfer student and should not replace advising from Triton College or Benedictine University. Placement scores and proficiency credit may alter a student's plan. As programs are subject to change, students are encouraged to meet with an academic advisor to discuss their coursework and transfer plan.

August 2017

**Benedictine University –Transfer student plan for
Chemistry, Physics, Biochemistry/Molecular Biology and Mathematics Programs
Triton College Associate of Science degree**

Semester 1					Semester 2				
GECC/Degree Requirement	IAI Code	TC course	BenU course equivalent	Hours	GECC/Degree Requirement	IAI Code	TC course	BenU course equivalent	Hours
Writing I	C1 900	RHT 101	WRIT 101	3	Writing II	C1 901R	RHT 102	WRIT 102	3
College Level Calculus I ¹	M1 900-1 ¹	MAT 131	MATH 210	5	Oral Communications	C2 900	SPE 101	SPCH 110	3
Biology Course ²	BIO 910	BIS 150 or 151	BIOL 197or 198/199	4	Calculus II	M1 900-2	MAT 133	MATH 211	5
General Chemistry for Science Majors	CHM 911	CHM 140	CHEM 113/114	5	General Chemistry for Science Majors	CHM 912	CHM 141	CHEM 123/124	5
<i>Alternative sequence may be:</i>					Intro to Psychology ³	S6 900	PSY 100	PSYC 100 QIO	3
¹ Per placement	<i>College Trigonometry</i>	MAT 114	<i>MATH 111</i>	3	<i>* College Level Calculus</i>	<i>M1 900-1</i>	MAT 131	<i>MATH 210</i>	<i>*5</i>
Total				17	Total				19
Semester 3					Semester 4				
GECC/Degree Requirement	IAI Code	TC course	BenU course equivalent	Hours	GECC/Degree Requirement	IAI Code	TC course	BenU course equivalent	Hours
Organic Chemistry I	CHM 913	CHM 234	CHEM 242/243	5	Organic Chemistry II	CHM 914	CHM 235	CHEM 247/248	5
Physics for Sci. & Engin. I with lab ⁴	P2 900L		PHYS 211/205	4	Physics for Sci. & Engin. II with lab ⁴		Consult catalog	PHYS 212/206	4
IAI Humanities - Ethics ⁵	H4 904	PHL 103	PHIL 245	3	IAI Fine Arts/ Humanities	F1, F2, F9 HF		QCA	3
IAI Social/ Beh. Science ⁶	S1, S2, S5, S7, S9	Consult catalog	QPE or QIO	3	IAI Soc/Beh Science	S1, S3, S4, S5, S6, S7		QIO or QPE	3
					IAI - Humanities	H2, S2 or H3, or H5		QHT or QLR or QRT	3
<i>Optional course Calculus III ⁷</i>	<i>M1 900-3</i>	<i>MAT 135</i>	<i>MATH 212</i>	3					
Total				15	Total				18
					Associate of Science Degree				

¹ Students who do not transfer in college level calculus may not be able to complete the science degree program in four semesters.

² Students who transfer in the biochemistry program should take the complete biology sequence prior to transfer

³ Recommend student take Introduction to Psychology or a course that meets IAI social/behavioral science course requirement

⁴ Students who do not transfer in equivalences for University Physics I and II with labs will be required to complete these courses for degree completion upon meeting pre-requisites at Benedictine University and may not be able to complete the science degree program in four semesters.

⁵ Recommend student take approved ethics course – IAI Code H4 904

⁶ Recommend students take IAI course S3 901 or S3 902 – at TC course ECO 102 or ECO 103

⁷ Depending on math sequence, students may need to take an additional IAI GECC course. Students should consult with an academic advisor

This is a sample plan for a typical transfer student and should not replace advising from Triton College or Benedictine University. Placement scores and proficiency credit may alter a student's plan. As programs are subject to change, students are encouraged to meet with an academic advisor to discuss their coursework and transfer plan.

August 2017

Degree Completion at Benedictine University

Completion Plan for Chemistry, Physics, Biochemistry/Molecular Biology and Mathematics Programs

Benedictine University recognizes students have many elective choices while attending Community Colleges. Students who intend to pursue a bachelor's degree in the Sciences are strongly encouraged to take the Science sequences applicable to their intended major prior to transferring to Benedictine University:

Science Sequence	TC course	TC course title	BenU course equivalent	BenU course title
Chemistry Sequences				
	CHM 140	Principles of Chemistry I	CHEM 113 /114 ¹	General Chemistry I & Lab
	CHM 141	Principles of Chemistry II	CHEM 123/124 ¹	General Chemistry II & Lab
	CHM 234	Organic Chemistry I	CHEM 242/243 ^{1 3}	Organic Chemistry I & Lab
	CHM 235	Organic Chemistry II	CHEM 247/248 ^{1 3}	Organic Chemistry II & Lab
Physics Sequences				
	Consult catalog	Physics for Science & Engineering I	PHYS 211/205 ^{1 2}	University Physics I & Lab
	Consult catalog	Physics for Science & Engineering II	PHYS 212/206 ^{1 2}	University Physics II & Lab
Mathematics Sequence				
	MAT 114	Precalculus II: Trigonometry	MATH 111	College Trigonometry
	MAT 131	Calculus and Analytic Geometry I	MATH 210	Calculus for the Physical Sciences I
	MAT 133	Calculus and Analytic Geometry II	MATH 211	Calculus for the Physical Sciences I
	MAT 135	Calculus and Analytic Geometry III	MATH 212	Calculus III
Biology Sequence ⁴				
	BIS 150	Principles of Biology I	BIOL 198	Principles of Biology
	BIS 151	Principles of Biology II	BIOL 197/199	Principles of Organismal Biology & Lab

¹ Not required for mathematics majors

² Only one sequence required for chemistry majors per department approval

³ Not required for physics majors

⁴ Required for biochemistry/molecular biology majors

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- Will satisfy the general education course requirements at Benedictine University.
- Transfer students who have completed distribution requirements and required elective courses (with the exception of the IDS seminars and the LC/EL co-curricular requirements) will be evaluated for any additional co-curricular requirements

Students will be required to meet degree eligibility as specified by the Sciences Departments:

Acceptance into the Chemistry Program: A student will gain acceptance to the chemistry program by completing the introductory sequence of CHEM 113, CHEM 123 and MATH 210 with a GPA of 2.500 or above and a grade of "C" or better in each of these courses. A transfer student will gain acceptance by meeting these requirements through equivalent transfer courses. Additionally, a transfer student must earn a GPA of 2.500 or above in all major classes (excluding labs) during the first semester at Benedictine in order to be accepted into the chemistry program.

Acceptance into the Physics Program: A student will gain acceptance to the physics program by completing the introductory sequence of PHYS 211, PHYS 212, MATH 210, and MATH 211 with a GPA of 2.500 or above and a grade of "C" or better in each of these courses. A transfer student will gain acceptance by meeting these requirements through equivalent transfer courses. Additionally, a transfer student must earn a GPA of 2.500 or above in all major classes (excluding labs) during the first semester at Benedictine University in order to be accepted into the physics program.

If it is determined at any time that a student cannot gain acceptance to the respective College of Sciences program or cannot graduate with a student's original transfer intended College of Science degree, the student will be required to change his or her major and work with academic advising for alternative degree plans outside of that program.

Students who receive their Associate of Arts or Sciences degree without completing the required science pre-requisites or sequences will be placed in the appropriate level coursework for their degree completion pathway.

This is a sample plan for a typical transfer student and should not replace advising from Triton College or Benedictine University. Placement scores and proficiency credit may alter a student's plan. As programs are subject to change, students are encouraged to meet with an academic advisor to discuss their coursework and transfer plan.

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