

PRE-HEALTH PROFESSIONS AREA OF CONCENTRATION WITHIN ARTS AND SCIENCES A.S. (TRANSFER)

Program website (<https://www.frederick.edu/programs/healthcare/pre-health.aspx>)

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Provides courses in general education curriculum with subjects that support the pursuit of a Bachelor of Science in nursing or allied health sciences degree program and/or prepares students to meet the eligibility requirements for one of the selective admissions programs (Nursing, Physical Therapist Assistant, Respiratory Care, and Surgical Technology). Students are strongly urged to work with their FCC advisor to understand how to meet the transfer requirements of the institution to which they transfer and/or how to meet the selective admission requirements of the allied health and Nursing programs.

Successful completion of the Pre-Health Professions AOC does not guarantee admittance into a transfer program or selective admissions program.

Students applying for admission to FCC Nursing, Physical Therapist Assistant, Respiratory Care, or Surgical Technology programs must earn a grade of "C" or higher in all coursework.

Students interested in courses of study such as pre-medical, pre-dental, pre-veterinary, pre-pharmacy, pre-physician assistant, or other related programs should follow the STEM A.S. Degree: Biology or Chemistry Area of Concentration and meet with an academic advisor.

Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (<https://frederick-public.courseleaf.com/general-education-core/#cultural>).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>

- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.

Code	Title	Credits
English		
ENGL 101	English Composition	3
Mathematics		
MATH 120/120A	Statistics (or higher) (MATH 120/ MATH 120A recommended)	3
Social & Behavioral Sciences		
PSYC 101	General Psychology	3
SOCY 101	Introduction to Sociology	3
Arts & Humanities		
Arts Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#arts)		3
Communication Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#communication)		3
Humanities Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#humanities)		3
Biological & Physical Sciences		
BSCI 201	Anatomy and Physiology I	4
BSCI 202	Anatomy and Physiology II	4
General Education Elective		
General Education Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#general)		3
Physical Education, Health, or Nutrition Requirement		
NUTR 102 Nutrition in a Changing World (satisfies requirement) or NUTR 200 Principles and Application of Nutrition		
Departmental Requirements		
EDPS 210	Human Growth and Development	3
BSCI 223 or BSCI 263	Microbiology for Allied Health Elements of Microbiology (Fall)	4
BSCI 150 or CHEM 101	Principles of Biology I General Chemistry I	4
NUTR 102 or NUTR 200	Nutrition in a Changing World Principles and Application of Nutrition	3
Electives		
General Education Electives: Chemistry, Math or Social Science are recommended ¹		14
Total Credits		60

1

Students should check with an advisor or transfer institution (ARTSYS) before selecting their electives.

Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

Guided Pathway to Success (GPS)

Suggested schedules map your path to degree completion.

Students should meet with an advisor each semester to carefully select and sequence courses based on their specific academic goals and interests. Visit Jefferson Hall or call 301.846.2471 for advising.

Pre-Health Professions

This pathway provides the general education curriculum that prepares students to pursue a healthcare-related bachelor's degree at a four-year transfer institution. Students who intend to transfer should work with their advisor to understand the requirements of their transfer institution. Completion of this program does not guarantee admission to a transfer institution. Students interested in courses of study such as pre-medical, pre-dental, pre-veterinary, pre-pharmacy, pre-physician assistant or other related programs should follow the STEM A.S. Degree: Biology or Chemistry Areas of Concentration and meet with an academic advisor.

Students who intend to apply for selective admission to the Frederick Community College Nursing, Physical Therapist Assistant, Respiratory Care, or Surgical Technology programs should follow the Pre-Health Professions Concentration pathway specific to that program to complete the required selective admissions courses prior to applying for their program. Completion of selective admissions courses does not guarantee admission into selective admissions programs.

Recommended First Semester		Credits
ENGL 101	English Composition ¹	3
Select one of the following: ¹		3-4
MATH 120/120A	Statistics (or higher) (MATH 120/ MATH 120A recommended)	
BSCI 150 or CHEM 101	Principles of Biology I or General Chemistry I	4
PSYC 101	General Psychology	3
Arts Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#arts)		3
Credits		16-17
Recommended Second Semester		
Humanities Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#humanities)		3
BSCI 201	Anatomy and Physiology I	4
SOCY 101	Introduction to Sociology	3
General Education Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#general)		3
Communication Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#communication)		3
Credits		16
Recommended Third Semester		
BSCI 202	Anatomy and Physiology II	4
EDPS 210	Human Growth and Development	3
Select one of the following: ²		3
NUTR 102	Nutrition in a Changing World	
NUTR 200	Principles and Application of Nutrition	
Choose an elective in consultation with an advisor		3
Choose an elective in consultation with an advisor		3
Credits		16
Recommended Fourth Semester		
Select one of the following: ³		4
BSCI 223	Microbiology for Allied Health	
BSCI 263	Elements of Microbiology (Fall)	
Choose electives in consultation with an advisor ⁴		8
Credits		12
Total Credits		60-61

1

Take this course within the first 24 credits.

2

Satisfies Physical Education, Health, or Nutrition Requirement.

3

Students should meet with an advisor to determine which course is their best option, then plan ahead to take it in the semester it is offered, adjusting semester courses as needed.

4

Credits may vary to meet minimum 60 credits required for degree.

Pre-Health Professions: Pre-Nursing

This pathway prepares students to apply for acceptance into the Frederick Community College Nursing program. Students may apply to the FCC Nursing program after successful completion of the selective admissions courses (first three semesters of this pathway), but acceptance into the program is not guaranteed. Upon acceptance into the Nursing program, students should begin the Nursing Associate of Science degree pathway.

Students who are not accepted into the FCC Nursing program may complete this pathway to earn a Pre-Health Professions Area of Concentration A.S. in Arts & Sciences degree. Students who intend to transfer should work with their advisor to understand the requirements of their chosen institution.

Recommended First Semester		Credits
Fall - Selective Admissions Courses		
ENGL 101	English Composition ¹	3
MATH 120/120A	Statistics (or higher) (MATH 120/ MATH 120A recommended)	3
SOCY 101	Introduction to Sociology	3
Select one of the following:		4
CHEM 101	General Chemistry I	
BSCI 55	Preparation for Allied Health (non-credit developmental course)	
BSCI 150	Principles of Biology I (taken as an elective)	
Credits		13
Recommended Second Semester		
Spring - Selective Admissions Courses		
BSCI 201	Anatomy and Physiology I	4
PSYC 101	General Psychology	3
Humanities Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#humanities)		3
EDPS 210	Human Growth and Development	3
Credits		13
Recommended Third Semester		
Fall - Selective Admissions Courses		
BSCI 202	Anatomy and Physiology II	4
Arts Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#arts)		3
NUTR 102 or NUTR 200	Nutrition in a Changing World or Principles and Application of Nutrition	3
Communication Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#communication) COMM course		3
Select one of the following:		4
BSCI 223	Microbiology for Allied Health	
BSCI 263	Elements of Microbiology (Fall)	
Selective admissions courses completed.		
Credits		17
Recommended Fourth Semester		
Spring		
Humanities Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#humanities)		3

Choose electives in consultation with an advisor	14
Credits	17
Total Credits	60

1

Take this course within the first 24 credits.

Pre-Health Professions: Pre-Physical Therapist Assistant

Recommended First Semester	Credits
Fall - Selective Admissions Courses	
ENGL 101 English Composition ¹	3
BSCI 150 Principles of Biology I	4
MATH 120/120A Statistics (or higher) (MATH 120/ MATH 120A recommended)	3
PSYC 101 General Psychology	3
MEDA 109 Medical Terminology	3
Students are able to apply to the PTA program, but recommend completion of 2nd semester courses for improved chances.	
Credits	16
Recommended Second Semester	
Spring - Selective Admissions Courses	
BSCI 201 Anatomy and Physiology I	4
COMM 105 Small Group Communication	3
ENGL 102 English Composition and Literature	3
SOCY 101 Introduction to Sociology	3
Apply to PTA Program by May 1	
Credits	13
Recommended Third Semester	
Fall - Selective Admissions Courses	
BSCI 202 Anatomy and Physiology II	4
Arts Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#arts)	3
General Education Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#general)	3
EDPS 210 Human Growth and Development	3
NUTR 102 Nutrition in a Changing World	3
Selective admissions courses completed.	
Credits	16
Recommended Fourth Semester	
Spring	
Elective	3
BSCI 223 Microbiology for Allied Health	4
Electives	8
Choose electives in consultation with an advisor	
Credits	15
Total Credits	60

1

Take this course within the first 24 credits.

Pre-Health Professions: Pre-Respiratory Care

This pathway prepares students to apply for acceptance into the Frederick Community College Respiratory Care program. Students may apply to the FCC Respiratory Care program after successful completion of the selective admissions courses (first three semesters of this pathway), but acceptance into the program is not guaranteed. Upon acceptance into the Respiratory Care program, students should begin the Respiratory Care Associate of Science degree pathway.

Students who are not accepted into the FCC Respiratory Care program may complete this pathway to earn a Pre-Health Professions Area of

Concentration A.S. in Arts & Sciences degree. Students who intend to transfer should work with their advisor to understand the requirements of their chosen institution.

Recommended First Semester	Credits
Fall - Selective Admissions Courses	
ENGL 101 English Composition ¹	3
MATH 120/120A Statistics (or higher) (MATH 120/ MATH 120A recommended)	3
Select one of the following:	4
CHEM 101 General Chemistry I	
BSCI 55 Preparation for Allied Health (non-credit developmental course)	
BSCI 150 Principles of Biology I (taken as an elective)	
PSYC 101 General Psychology	3
COMM 105 Small Group Communication	3
Credits	16
Recommended Second Semester	
Spring - Selective Admissions Courses	
BSCI 201 Anatomy and Physiology I	4
SOCY 101 Introduction to Sociology	3
NUTR 102 Nutrition in a Changing World or NUTR 200 or Principles and Application of Nutrition	3
Select one of the following:	4
BSCI 223 Microbiology for Allied Health	
BSCI 263 Elements of Microbiology (Fall)	
Selective admissions courses completed.	
Credits	14
Recommended Third Semester	
Summer	
BSCI 202 Anatomy and Physiology II	4
Credits	4
Recommended Fourth Semester	
Fall	
EDPS 210 Human Growth and Development	3
Humanities Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#humanities)	3
General Education Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#general)	3
Choose an elective in consultation with an advisor	3
Credits	12
Recommended Fifth Semester	
Spring	
Arts Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#arts)	3
Choose electives in consultation with an advisor ³	11
Credits	14
Total Credits	60

1

Take this course within the first 24 credits.

2

Satisfies Physical Education, Health, or Nutrition Requirement.

3

Credits may vary to fulfill 60 credits for degree.

Pre-Health Professions: Pre-Surgical Technology

This pathway prepares students to apply for acceptance into the Frederick Community College Surgical Technology program. Students may apply to the FCC Surgical Technology program after successful completion of the selective admissions courses (first three semesters of this pathway), but acceptance into the program is not guaranteed. Upon

acceptance into the Surgical Technology program, students should begin the Surgical Technology Associate of Science degree pathway.

Students who are not accepted into the FCC Surgical Technology program may complete this pathway to earn a Pre-Health Professions Area of Concentration A.S. in Arts & Sciences degree. Students who intend to transfer should work with their advisor to understand the requirements of their chosen institution.

Recommended First Semester		Credits
Fall - Selective Admissions Courses		
ENGL 101	English Composition ¹	3
MATH 120/120A	Statistics (or higher) (MATH 120/ MATH 120A recommended)	3
Select one of the following:		4
CHEM 101	General Chemistry I	
BSCI 55	Preparation for Allied Health (non-credit developmental course)	
BSCI 150	Principles of Biology I (taken as an elective)	
Choose an elective in consultation with an advisor		3
Communication Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#communication)		3
Credits		16
Recommended Second Semester		
Spring - Selective Admissions Courses		
Select one of the following:		4
BSCI 223	Microbiology for Allied Health	
BSCI 263	Elements of Microbiology (Fall)	
BSCI 201	Anatomy and Physiology I	4
SOCY 101	Introduction to Sociology	3
Choose an elective in consultation with an advisor		3
MEDA 108	Basic Medical Terminology	1
Credits		15
Recommended Third Semester		
Summer - Selective Admissions Courses		
BSCI 202	Anatomy and Physiology II	4
Selective admissions courses completed.		
Credits		4
Recommended Fourth Semester		
Fall		
EDPS 210	Human Growth and Development	3
NUTR 102 or NUTR 200	Nutrition in a Changing World or Principles and Application of Nutrition	3
PSYC 101	General Psychology	3
Humanities Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#humanities)		3
Credits		12
Recommended Fifth Semester		
Spring		
Arts Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#arts)		3
Choose electives in consultation with an advisor ³		10
Credits		13
Total Credits		60

1

Take this course within the first 24 credits.

2

Satisfies Physical Education, Health, or Nutrition Requirement.

3

Credits may vary to fulfill 60 credits for degree.

Part-time Students

Part-time students should complete courses in the order listed on the pathway. Please contact program manager for questions about part-time status.

Students who take fewer than 15 credits each semester or who require developmental English or Math coursework will need additional semesters to complete their degrees. Summer term and January session classes may help students to make faster progress.

Pathway Legend

Milestone - courses with the Milestone notation should be taken within the recommend credit range to stay on track for program completion.

Fall, Spring, Summer - courses with a Fall, Spring, or Summer notation indicate the course is offered in the specified semester only.