

New Degree Programs

Allied Health Pre-Professional (Designed For Transfer)

DIVISION OF PROFESSIONAL STUDIES

Associate in Science (A.S.) Degree

The need for allied health programs has increased in the last several years. This program was designed for students contemplating a career in nursing, radiography, dental hygiene, medical laboratory technology, and respiratory care as well as other allied health careers. Students who plan on taking this program will be able to apply to one of the selective health technology programs at MCC or will be able to transfer to a program at a four year college or university after completion of the associate's degree.

■ What will students learn if they study Allied Health Pre-Professional?

Students will have a strong core of sciences and general education electives to meet the requirements for a degree and/or a certificate. Students will be able to select courses with the assistance of an advisor in their area of interest.

■ Are there any requirements that must be satisfied before taking courses in the major?

Algebra 1 is a prerequisite for all majors. Algebra 1 competency may be verified with a passing score on the College's placement test or completion of the appropriate course. Students considering nursing must have a "B" or better in high school biology and chemistry both with a lab. Students considering all other allied health fields must have a "C" or better in high school biology and chemistry both with a lab. There may be additional requirements that are required depending on the major chosen.

■ Can students who major in Allied Health Pre-professional transfer to a four-year college or university?

The Statewide Transfer Agreement for New Jersey ensures that students who earn an A.A. or A.S. degree at a community college will have those credits fully transferable to a New Jersey public four-year institution, will have completed half of the credits required for a basic four-year degree and will have completed all of the lower division general education requirements. In addition, articulation agreements with private institutions may provide similar transfer provisions. Students should discuss the transfer process with an advisor.

■ How long will it take to complete this degree?

Once students complete developmental coursework (if needed), the degree can be completed in two years of full-time study. They can shorten the amount of time by taking courses in the summer and winter sessions.

■ Are there any other things I should consider before I apply?

Yes, there are practical considerations, health considerations and legal considerations that you should review before making the decision to choose an allied health career:

Practical Considerations:

The following Practical Considerations are listed so students may be better able to assess their career choice in terms of ability to succeed in the program and gain employment in the field:

1. Have written and oral communication skills in the English language to effectively and accurately communicate with patients, peers and supervisors.
2. Have sufficient visual acuity to accurately assess patient conditions and treat patients safely.
3. Have motor skills capable of fine and delicate manipulation of patient equipment.
4. The ability to transfer, lift and move patients without restrictions.
5. Demonstrate acceptable affective behaviors required by health care employers such as maintaining excellent attendance and integrity and being able to work under pressure.
6. Comprehend and follow clinical policies and procedures related to the profession you choose.

Health Considerations:

Due to the nature of clinical experiences in allied health, students will be participating in a work environment that has the potential of exposure to bloodborne pathogens and infectious diseases. All students accepted into an allied health program are provided with instruction on infection control protocols specific to the program in order to reduce the risk of disease transmission.

Legal Considerations:

A student is required to have a criminal background check performed with satisfactory results acceptable by Middlesex County College, the Department and/or participating clinical facilities as a condition of admission, initial enrollment and/or continued enrollment. An offer of admission will not be final and enrollment not permitted until the completion of a satisfactory criminal background check. Drug testing is a requirement for some of the programs. Admission may be denied or rescinded or enrollment terminated based on the results of the criminal background check and the drug testing for certain programs in Allied Health.

■ Questions?

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ALLIED HEALTH PRE-PROFESSIONAL (DESIGNED FOR TRANSFER)

Associate in Science (A.S.) Degree – AHPP.AS

Below are required courses and recommended course groupings and sequences for program completion. Courses may have prerequisite and corequisite requirements. Check course descriptions for details.

Courses	Credits	Requisites/Comments
Semester I		
ENG 121 English Composition I	3	A passing score on the College's placement test or a grade of "C" or better in ENG 010.
PSY 123 Introduction to Psychology	3	
BIO 111 Human Anatomy & Physiology I	4	Prerequisite(s): One year of high school laboratory biology or BIO 010 and one year of high school laboratory chemistry or CHM 010 and appropriate score on the College's placement test or MAT 013. Note: Students selecting courses that are represented on the 'Program Electives' list may not use the course as a program requirement and also as a course elective.
OR		
BIO 117 Biology I		Appropriate score on the College's placement test or MAT 013 and one year high school laboratory science or BIO 010 or CHM 010. Note: Students selecting courses that are represented on the 'Program Electives' list may not use the course as a program requirement and also as a course elective.
BIO 211 Principles of Microbiology	4	One year of high school laboratory biology or BIO 010 and one year of high school laboratory chemistry or CHM 010. Also appropriate score on the College's placement test or MAT 013. Note: Students selecting courses that are represented on the 'Program Electives' list may not use the course as a program requirement and also as a course elective.
OR		
CHM 117 Chemistry I		MAT 013 or appropriate score on the College's placement test and one year of high school laboratory science or departmental approval. Note: Students selecting courses that are represented on the 'Program Electives' list may not use the course as a program requirement and also as a course elective.
____ ____ General Education Humanities Elective (GE HUM)	3	Choose courses designated in the course descriptions as general education humanities (GE HUM).
Semester II		
ENG 122 English Composition II	3	A grade of "C" or better in ENG 121
CSC 105 Computer Applications and Systems	3	Note: Student should check with potential transfer institutions for the appropriate course in this area.
OR		
CSC 106 Intermediate PC Applications with Programming		
Program Electives (see next page)	10	Select courses from the list on the following page. 32 total credits are required from this group. Please review catalog for prerequisites. Program electives should be selected after consultation with academic advisement to discuss career and transfer applicability of the courses.
Semester III		
____ ____ General Education Social Science Elective (GE SS)	3	Choose courses designated in the course descriptions as general education social science (GE SS).
____ ____ General Education Mathematics Elective (GE MST)	3	Choose mathematics courses designated in the course descriptions as general education mathematics, science, technology (GE MST).
Program Electives (see next page)	10	Select courses from the list on the following page. 32 total credits are required from this group. Please review catalog for prerequisites. Program electives should be selected after consultation with academic advisement to discuss career and transfer applicability of the courses.
Semester IV		
HED 150 Contemporary Health Issues	3	
Program Electives (see next page)	12	Select courses from the list on the following page. 32 total credits are required from this group. Please review catalog for prerequisites. Program electives should be selected after consultation with academic advisement to discuss career and transfer applicability of the courses.

Total Credits: 64

PROGRAM ELECTIVES

*Select courses from the following. 32 total credits are required from this group.
Please review catalog for prerequisites. Program electives should be selected after consultation with academic
advisement to discuss career and transfer applicability of the courses.*

Courses	Credits	Notes *
BIO 111 Human Anatomy & Physiology I	4	D, N, RADT, RC
BIO 112 Human Anatomy & Physiology II	4	D, N, RADT, RC
BIO 117 Biology I	4	M
BIO 118 Biology II	4	M
BIO 131 Human Structure and Function	4	RADC
BIO 211 Principles of Microbiology	4	D, N, M, RC
CHM 107 Principles of General, Organic, and Biochemistry	4	D, RC
CHM 117 Chemistry I	4	M
CHM 118 Chemistry II	4	M
CHM 201 Principles of Organic Chemistry	4	M
CHM 202 Biochemistry	4	M
CSC 107 Computers in Health Technologies	1	N, RADC, RADT, RC
PSY 232 Life Span Development	3	N
SOC 121 Introduction to Sociology	3	D
SPE 121 Fundamentals of Public Speaking	3	

*** Notes:**

- D – Course required for Dental Hygiene Associate of Applied Science Degree Program
- M – Course required for Medical Laboratory Technology Associate of Applied Science Degree Program
- N – Course required for Nursing Associate of Science Degree Program
- RADC – Course required for Radiography Education – Career Track Associate of Applied Science Degree Program
- RADT – Course required for Radiography Education – Transfer Track Associate of Applied Science Degree Program
- RC – Course required for Respiratory Care Associate of Science Degree Program

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ALLIED HEALTH PRE-PROFESSIONAL CERTIFICATE

Academic Certificate – AHPP.CER

Below are required courses and recommended course groupings and sequences for program completion. Courses may have prerequisite and corequisite requirements. Check course descriptions for details.

Courses	Credits	Requisites / Comments
Semester I		
ENG 121 English Composition I	3	A passing score on the College's placement test or a grade of "C" or better in ENG 010.
BIO 111 Human Anatomy & Physiology I	4	Prerequisite(s): One year of high school laboratory biology or BIO 010 and one year of high school laboratory chemistry or CHM 010 and appropriate score on the College's placement test or MAT 013. Note: Students selecting courses that are represented on the 'Program Electives' list may not use the course as a program requirement and also as a course elective.
OR		
BIO 117 Biology I		Appropriate score on the College's placement test or MAT 013 and one year high school laboratory science or BIO 010 or CHM 010. Note: Students selecting courses that are represented on the 'Program Electives' list may not use the course as a program requirement and also as a course elective.
BIO 211 Principles of Microbiology	4	One year of high school laboratory biology or BIO 010 and one year of high school laboratory chemistry or CHM 010. Also appropriate score on the College's placement test or MAT 013. Note: Students selecting courses that are represented on the 'Program Electives' list may not use the course as a program requirement and also as a course elective.
OR		
CHM 117 Chemistry I		MAT 013 or appropriate score on the College's placement test and one year of high school laboratory science or departmental approval. Note: Students selecting courses that are represented on the 'Program Electives' list may not use the course as a program requirement and also as a course elective.
PSY 123 Introduction to Psychology	3	
Program Electives (<i>see next page</i>)	3-4	Select courses from the list on the following page. 16-17 total credits are required from this group, at least 4 credits of which must be a Biology or Chemistry course that has not already been completed successfully. Please review catalog for prerequisites. Program electives should be selected after consultation with academic advisement to discuss career and transfer applicability of the courses.
Semester II		
Program Electives (<i>see next page</i>)	13	Select courses from the list on the following page. 16-17 total credits are required from this group, at least 4 credits of which must be a Biology or Chemistry course that has not already been completed successfully. Please review catalog for prerequisites. Program electives should be selected after consultation with academic advisement to discuss career and transfer applicability of the courses.

Total Credits: 30-31

PROGRAM ELECTIVES

*Select courses from the following. 16-17 total credits are required from this group.
Please review catalog for prerequisites. Program electives should be selected after consultation with academic advisement to discuss career and transfer applicability of the courses.*

Courses	Credits	Notes *	
BIO 111	Human Anatomy & Physiology I	4	D, N, RADT, RC
BIO 112	Human Anatomy & Physiology II	4	D, N, RADT, RC
BIO 117	Biology I	4	M
BIO 118	Biology II	4	M
BIO 131	Human Structure and Function	4	RADC
BIO 211	Principles of Microbiology	4	D, N, M, RC
CHM 107	Principles of General, Organic, and Biochemistry	4	D, RC
CHM 117	Chemistry I	4	M
CHM 118	Chemistry II	4	M
CHM 201	Principles of Organic Chemistry	4	M
CHM 202	Biochemistry	4	M
CSC 107	Computers in Health Technologies	1	N, RADC, RADT, RC
ENG 122	English Composition II	3	D, M, N, RADC, RADT, RC
_____	General Education Diversity (GE DIV)	3	Choose courses designated in the course descriptions as general education diversity (GE DIV). Note: Dental Hygiene, Medical Laboratory Technology, Nursing, Radiography Education – Transfer Track, and Respiratory Care all require a Physical/Health Education Elective. The course HED 150 – Contemporary Health Issues meets this requirement while also serving as a General Education Diversity course. It is recommended for students pursuing the Certificate.
_____	General Education Humanities Elective (GE HUM)	3	RADC, RADT, RC Choose courses designated in the course descriptions as general education humanities (GE HUM).
_____	General Education Mathematics Elective (GE MST)	3	RADC, RADT Choose mathematics courses designated in the course descriptions as general education mathematics, science, technology (GE MST).
_____	General Education Social Science Elective (GE SS)	3	RADC, RADT, RC** Choose courses designated in the course descriptions as general education social science (GE SS).
MAT 107	Mathematics I	3	M, RC
MAT 108	Mathematics II	3	M
MAT 123	Statistics I	3	Prerequisite(s): MAT 014, MAT 014A/MAT 014B, or appropriate score on the College's placement test
PSY 232	Life Span Development	3	N
SOC 121	Introduction to Sociology	3	D
SPE 121	Fundamentals of Public Speaking	3	

*** Notes:**

D – Course required for Dental Hygiene Associate of Applied Science Degree Program

M – Course required for Medical Laboratory Technology Associate of Applied Science Degree Program

N – Course required for Nursing Associate of Science Degree Program

RADC – Course required for Radiography Education – Career Track Associate of Applied Science Degree Program

RADT – Course required for Radiography Education – Transfer Track Associate of Applied Science Degree Program

RC – Course required for Respiratory Care Associate of Science Degree Program

** Two General Education Social Science (GE SS) courses in addition to PSY 123 are required for Respiratory Care.

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