



## **Allied Health A.A.S.**

Curriculum Code: 1814

Effective: Fall 2020 – Summer 2025

### **Description**

Allied Health is a broad field of study that encompasses a variety of professions involved in the diagnosis, evaluation, and treatment of acute and chronic diseases, disease prevention and wellness, and rehab and health systems management that support health care systems in an array of settings. Therefore this degree is designed to be customized to a student's goals for a health profession. A minimum of 60 credits is required and includes LCC General Education requirements and several options which may be combined. Option A serves as the pathway for students working on admission to a Health Careers selective admission program. Option B includes courses in a number of certificate pathways for new students or students who may already have a certain certification or license and are seeking an associate degree for further education or employment opportunities. The Medical Education and Training Campus (METC) option provides an opportunity for military transfer credit. Additional course choices enhance a student's degree track and may include those that will satisfy the Michigan Transfer Agreement (MTA) between two-year and four-year institutions in Michigan and transfer to a baccalaureate degree program in a health-related field.

### **Additional Information**

It is crucial that students meet with a Health Careers academic advisor or program director prior to selecting courses based on academic goals. Students must earn a minimum grade of 2.0 or higher in all courses to earn this degree. Higher grades will be required in some classes and if you are applying to a selective admission program. Please visit [Advising Guides - Health and Human Services Division](#) to review specific admission requirements for each selective admission program in Option A. Visit [2020-2021 Degree and Certificate Program Pathways](#) to review the pathway for each certificate in Option B.

### **Credit for Approved State or National Licensure or Certification and Previously Acquired Knowledge and Learning Experience**

Students who have applied to LCC and hold certain current licenses and/or certifications listed at the following link are encouraged to apply for [Licensure or Certification Credit](#) toward this degree. Students who have personal and professional experience gained through actual job-related activities and special training experiences are encouraged to apply for Credit for Previously Acquired Knowledge and Learning Experience toward this degree. These learning experiences must directly relate to a specific course or courses required within a student's LCC program. Credits granted through either of these two options that are relevant to this degree may be used toward degree completion. Contact a Health Careers advisor in the Academic Advising Department for more information.

### **Contact Information**

Prior to beginning this program, students should meet with a Health Careers advisor in the Academic Advising Department, Gannon Building - StarZone, telephone number 517-483-1904. Students should also visit the [Health and Human Services Division](#) website for more information.

## General Education – Applied Degrees, Recommended Choices

(For the full list of options, see [General Education](#))

- English Composition – *Select one*
- English Composition (second course)/Communications or Applied Communications – *Select one*  
SIGN 160, Intro to the Deaf Community, 3 credits / 3 billing hours
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences – *Select one*
- Mathematics of Applied Mathematics – *Select one*
- Natural Sciences Lab or Applied Sciences and Technology Lab – *Select one*

Students following Option A – Selective Admission Pre-Programs should see [Advising Guides - Health and Human Services Division](#) for the specific General Education courses required for their program.

METC/Radiologic Technology Option: Students with Medical Education and Training Campus (METC) Radiologic Technology Transfer Credit should see the Medical Education and Training Campus (METC) Radiologic Technology section at the end of this pathway for specific General Education options required for their program.

### Program of Study Required Courses – Allied Health and Related Professions

*Select a minimum of 6 credits. There is a 4 credit maximum for PFFT/PFWT courses. If more than 24 credits are earned by the completion of a health certificate pathway included in Option B, the extra credits earned by completion of pathway courses may be used to meet this requirement.*

Course Code	Course Title	Credit / Billing Hours
CHSE 100	Intro to Health Professions	3 / 3
CHSE 114	Pathophysiology-Allied Health	3 / 3
CHSE 117	Health Law and Ethics	2 / 2
EMTA 100	Emergency Medical Responder	4 / 6
MGMT 223	Supervisory Skills	3 / 3
MGMT 225	Principles of Mgmt/Leadership	3 / 3
MGMT 227	Training/Development for Busn	3 / 3
MGMT 228	Organization Behavior	3 / 3
NURS 201	Patient-Centered Care	3 / 3
PFFT 100	Total Fitness A-Fitness	2 / 3
PFFT 101	Total Fitness B-Nutrition	2 / 3
PFFT 102	Total Fitness C-Weight Control	2 / 3
PFFT 103	Total Fitness D-Life Fitness	2 / 3
PFFT 109	Introduction to Fitness	1 / 2
PFWT 123	Weight Training I	2 / 3
SURG 103	Surgical Asepsis	2 / 2

**Program of Study Required Courses – Select Option A, Option B, or a combination of courses from each option.**

**Option A – Selective Admission - Select 0 – 34 credits in one or more pre-programs.**

Selective Admission Pre-Programs	Credit / Billing Hours
P001 – <a href="#">Pre-Dental Hygiene</a>	30 – 39 / 32 – 44
P002 – <a href="#">Pre-Diagnostic Medical Sonography</a>	22 – 27 / 25 – 31
P006 – <a href="#">Pre-Nursing, PN/RN, 2Yr Program</a>	30 – 32 / 34 – 38
P006 – <a href="#">Pre-Nursing, PN/RN, 2<sup>nd</sup> Degree Program</a>	30 – 32 / 34 – 38
P006 – <a href="#">Pre-Nursing, PN/RN, Advanced Standing Program</a>	30 – 32 / 34 – 38
P007 – <a href="#">Pre-Paramedic</a>	4 – 8 / 6 – 11
P008 – <a href="#">Pre-Radiologic Technology</a>	14 / 20
P009 – <a href="#">Pre-Surgical Technology</a>	30 – 32 / 33 – 36

**Option B – Health Certificates and Health Related Courses - Select a minimum of 24 credits. One or more certificate pathways may be completed. If more than 24 credits are earned by the completion of a health certificate pathway included in Option B, the extra credits earned by completion of pathway courses may be applied to the Program of Study Required Courses – Allied Health and Related Professional requirement.**

Course Code	Course Title	Credit / Billing Hours	Certificate Pathway
BIOL or CHEM or PHYS XXX	Various Science courses	1-5 / 3-7 (12 credit max)	
CHSE 108	Long-Term Care Nurse Aide	4 / 6.5	1025 – Long-Term Care Nurse Aide C.C. 1784 – Patient Care Technician C.C.
CHSE 120	Medical Terminology	4 / 4	1017 – Sterile Processing Technician C.C. 1442 – EKG Technician C.C. 1488 – Medical Insurance Billing and Coding C.C.
CHSE 123	Medical Ins Billing/Coding I	4 / 4	1488 – Medical Insurance Billing and Coding C.C.
CHSE 124	Medical Ins Billing/Coding II	4 / 4	1488 – Medical Insurance Billing and Coding C.C.
CHSE 125	Comp-Med Ins Billing/Coding	2 / 2	1488 – Medical Insurance Billing and Coding C.C.
CHSE 127	Medical Ins Billing/Coding III	3 / 3	1488 – Medical Insurance Billing and Coding C.C.
CHSE 130	Medical Ins Bill/Code Extern	3 / 3	1488 – Medical Insurance Billing and Coding C.C.
CHSE 131	Electronic Hlth Records Intro	2 / 2	1488 – Medical Insurance Billing and Coding C.C.
CHSE 136	EKG Technician	3.5 / 4	1442 – EKG Technician C.C.
CHSE 143	Phlebotomy Technician	2 / 3	1010 – Phlebotomy Technician C.C.
CHSE 144	Phlebotomy Externship	4 / 4	1010 – Phlebotomy Technician C.C.

Course Code	Course Title	Credit / Billing Hours	Certificate Pathway
CHSE 145	Sterile Processing Tech I	5 / 7	1017 – Sterile Processing Technician C.C.
CHSE 148	Sterile Processing Externship	3 / 3	1017 – Sterile Processing Technician C.C.
CHSE 151	Patient Care Technician	6 / 9.25	1784 – Patient Care Technician C.C.
CHSE 235	Pharmacy Technician	4 / 4	1024 – Pharmacy Technician C.C.
CHSE 236	Pharmacy Technician Externship	3 / 3	1024 – Pharmacy Technician C.C.
EMTA 101	Basic EMT I	4 / 4	1817 – Basic Emergency Medical Technician C.C.
EMTA 102	Basic EMT II	2 / 4	1817 – Basic Emergency Medical Technician C.C.
EMTA 103	Basic EMT III	4 / 4	1817 – Basic Emergency Medical Technician C.C.
EMTA 104	Basic EMT IV	2 / 4	1817 – Basic Emergency Medical Technician C.C.
EMTA 112	Basic EMT Clinical	4 / 4	1817 – Basic Emergency Medical Technician C.C.
MASG 131	Therapeutic Massage I	4.5 / 4.5	1255 – Massage Therapy C.A.
MASG 132A	Body Systems for Massage I	1.5 / 2	1255 – Massage Therapy C.A.
MASG 132B	Body Systems for Massage II	1.5 / 2	1255 – Massage Therapy C.A.
MASG 137	Medical Elements of Massage	2 / 2	1255 – Massage Therapy C.A.
MASG 139A	Medical Conditions Massage I	1 / 1	1255 – Massage Therapy C.A.
MASG 139B	Medical Conditions Massage II	1 / 1	1255 – Massage Therapy C.A.
MASG 141	Massage Clinic I	1.5 / 2.5	1255 – Massage Therapy C.A.
MASG 151A	Research Literacy	1 / 1	1255 – Massage Therapy C.A.
MASG 151B	Event Massage	1 / 1	1255 – Massage Therapy C.A.
MASG 151C	Maternal/Infant Massage	1 / 1	1255 – Massage Therapy C.A.
MASG 151D	Special Populations	1 / 1	1255 – Massage Therapy C.A.
MASG 231	Massage II	4.5 / 4.5	1255 – Massage Therapy C.A.
MASG 232	Massage III	4.5 / 4.5	1255 – Massage Therapy C.A.
MASG 235	Licensing Exam Prep	1 / 1	1255 – Massage Therapy C.A.
MASG 241	Massage Clinic II	1.5 / 2.5	1255 – Massage Therapy C.A.
MASG 242	Massage Clinic III	1.75 / 3	1255 – Massage Therapy C.A.
MASG 251A	Polarity Therapy	1 / 1	1255 – Massage Therapy C.A.
MASG 251B	Reflexology	1 / 1	1255 – Massage Therapy C.A.
MASG 251C	Asian Body Therapy	1 / 1	1255 – Massage Therapy C.A.
MASG 251D	Positional Release	1 / 1	1255 – Massage Therapy C.A.
MASG 254	Busn App for Massage	2 / 2	1255 – Massage Therapy C.A.

Course Code	Course Title	Credit / Billing Hours	Certificate Pathway
MASG 256	Clinical Assess for Massage	1 / 1	1255 – Massage Therapy C.A.
MEDA 116	Intro: MA Clinical & Adm Skills	6 / 8	1811 - Medical Assistant C.A.
MEDA 126	MA Administrative Skills	5 / 6	1811 - Medical Assistant C.A.
MEDA 135	MA Pharmacology & Med Math	2 / 2	1811 - Medical Assistant C.A.
MEDA 145	Legal & Ethical Concepts	2 / 2	1811 - Medical Assistant C.A.
MEDA 156	MA Clinical Procedures I	5 / 7	1811 - Medical Assistant C.A.
MEDA 166	MA Clinical Procedures II	5 / 7	1811 - Medical Assistant C.A.
MEDA 175	MA Certification Review	3 / 3	1811 - Medical Assistant C.A.
MEDA 177	MA Practice Immersion	3 / 3	1811 - Medical Assistant C.A.
NCHE 102	AHA BLS Provider CPR	0 / 0 Flat-rated, not covered by financial aid	
PFFT 104	Massage Fitness Lab	1 / 2	1255 – Massage Therapy C.A.
PFHW 123	Human Nutrition	3 / 3	1704 – Group Fitness Instructor C.C.
PFHW 163	Healthy Lifestyles	2 / 3	1255 – Massage Therapy C.A.
PFHW 181	Stress Management	1 / 1	1255 – Massage Therapy C.A. 1704 – Group Fitness Instructor C.C.
PFKN 106	Group Fitness Instructor Prep	3 / 4	1704 – Group Fitness Instructor C.C.
PFKN 170	Foundations of Kinesiology	3 / 3	1704 – Group Fitness Instructor C.C.
PFKN 200	Exercise Physiology	3 / 3	1704 – Group Fitness Instructor C.C.
PFKN 201	Exercise Physiology Lab	1 / 2	1704 – Group Fitness Instructor C.C.
PFKN 250	Measurements in Kinesiology	3 / 4	1704 – Group Fitness Instructor C.C.

*The courses that make up the following health certificate pathways are all part of Option B.*

Certificate Pathways	Credit / Billing Hours
<a href="#">1010 – Phlebotomy Technician C.C.</a>	6 / 7
<a href="#">1017 - Sterile Processing Technician C.C.</a>	12 / 14
<a href="#">1024 – Pharmacy Technician C.C.</a>	7 / 7
<a href="#">1025 – Long-Term Care Nurse Aide C.C.</a>	4 / 6.5
<a href="#">1255 – Massage Therapy CA</a>	40.25 / 46.5
<a href="#">1442 – EKG Technician C.C.</a>	7.5 / 8
<a href="#">1488 – Medical Insurance Billing and Coding C.C.</a>	22 / 22
<a href="#">1704 – Group Fitness Instructor C.C.</a>	27-32 / 34-40
<a href="#">1784 – Patient Care Technician C.C.</a>	10 / 15.75
<a href="#">1811 – Medical Assistant C.A.</a>	31 / 38
<a href="#">1817 – Basic Emergency Medical Technician C.C.</a>	16 / 20

## **General Education MTA Courses, Recommended Choices** - *Select 0 – 30 credits*

(For the full list of options, see [General Education](#). Any MTA courses may be selected in consultation with a Health Careers advisor based on academic goals for transfer.)

- English Composition – *Select one*  
ENGL 121, Composition I, 4 credits / 4 billing hours  
ENGL 131, Honors Composition I, 4 credits / 4 billing hours
- English Composition (second course) or Communications – *Select one*  
COMM 120, Dynamics of Communication, 3 credits / 3 billing hours  
COMM 130, Fundamentals Public Speaking, 3 credits / 3 billing hours  
ENGL 122, Composition II, 4 credits / 4 billing hours
- Humanities and Fine Arts – *Select no more than two, each from a different discipline*  
ARTS 102, Design & Communication, 3 credits / 4 billing hours  
HIST 211, U.S. History to 1877, 4 credits / 4 billing hours  
HIST 212, U.S. History: 1877 to Present, 4 credits / 4 billing hours  
HUMS 213, World Civilizations to 1600, 4 credits / 4 billing hours  
HUMS 214, World Civilizations from 1600, 4 credits / 4 billing hours  
THEA 110, Introduction to Theatre, 3 credits / 3 billing hours
- Mathematics – *Select one*  
MATH 119, Math - Applications for Living, 4 credits / 4 billing hours  
MATH 120, College Algebra, 4 credits / 4 billing hours  
STAT 170, Introduction to Statistics, 4 credits / 4 billing hours  
STAT 215, Intro to Probability and Stats, 4 credits / 4 billing hours
- Natural Sciences – *Select no more than two, each from a different discipline, one must be a lab course*  
BIOL 121, Biol Foundation for Physiology, 4 credits / 6 billing hours  
BIOL 145, Intro Anatomy and Physiology, 4 credits / 6 billing hours  
BIOL 201, Human Anatomy, 4 credits / 6 billing hours  
BIOL 202, Human Physiology, 4 credits / 5 billing hours  
BIOL 203, Microbiology, 3 credits / 3 billing hours  
BIOL 204, Microbiology Lab, 1 credit / 3 billing hours  
CHEM 125, Basic Chemistry, 4 credits / 4 billing hours  
CHEM 151, General Chemistry Lecture I, 4 credits / 4 billing hours  
CHEM 161, General Chemistry Lab I, 1 credit / 3 billing hours  
PHYS 120, The Art of Physics, 4 credits / 5 billing hours  
PHYS 200, Intro to Applied Physics, 4 credits / 5 billing hours
- Social Science – *Select no more than two, each from a different discipline*  
ANTH 270, Cultural Anthropology, 3 credits / 3 billing hours  
PSYC 200, Introduction to Psychology, 4 credits / 4 billing hours  
PSYC 205, Human Growth and Development, 3 credits / 3 billing hours  
SOCL 120, Introduction to Sociology, 4 credits / 4 billing hours

## **Total Minimum Credit Hours**

60 credits / 60 billing hours

## **Course Sequence**

Students will work with an advisor to determine the course sequence specific to their educational goals.

## **Medical Education and Training Campus (METC) - Radiologic Technology Option**

*METC Radiologic Technologist Program Graduates may receive up to 51 college transfer credits (31 credits didactic courses and 20 credits clinical courses) upon submission and review of METC Transcript and Joint Service Transcript to Lansing Community College. The 51 college transfer credits awarded include the satisfaction of the General Education Natural Sciences requirement. An additional 15-17 semester credits to be earned toward the curriculum and completed at LCC are required to award an associate degree. Transfer credit does not satisfy those additional 15-17 credits required to award the degree.*

### **Joint Service Transcript Program Number:**

Air Force: L5AQJ4R031 01AA Diagnostic Imaging Apprenticeship (Phase 1)

Army: 313-68P10 Radiologist Specialist (Phase 1)

Navy: B-313-0126 Advanced Radiographer (Phase 1)

### **METC Course Dates: Start date: January 2017 - End Date: February 1, 2021**

METC courses completed prior to the above date must be submitted to Lansing Community College's Radiologic Technology Program Director for review of course transfer credit.

## **General Education - Applied Degrees, Recommended Choices – Minimum 14 credits**

(For the full list of options, see [General Education](#))

- English Composition – *Select one*  
ENGL 121, Composition I, 4 credits / 4 billing hours  
ENGL 122, Composition II, 4 credits / 4 billing hours  
ENGL 131, Honors Composition I, 4 credits / 4 billing hours  
ENGL 132, Honors Composition II, 4 credits / 4 billing hours
- English Composition (second course)/Communications or Applied Communications – *Select one*  
COMM 110, Oral Communication in the Workplace, 3 credits / 3 billing hours  
COMM 120, Dynamics of Communication, 3 credits / 3 billing hours  
COMM 130, Fundamentals Public Speaking, 3 credits / 3 billing hours
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences – *Select one*  
ANTH 271, Medical Anthropology, 3 credits / 3 billing hours  
SOCL 120, Introduction to Sociology, 4 credits / 4 billing hours
- Mathematics or Applied Mathematics – *Select one*  
MATH 119, Math – Applications for Living, 4 credits / 4 billing hours
- Natural Sciences Lab or Applied Science and Technology Lab  
Satisfied by the 51 credit transfer agreement

**Program of Study Recommended Courses** - *Select one or more if needed to reach 15 LCC credits.*

Course Code	Course Title	Credit / Billing Hours
PFFT 109	Introduction to Fitness	1 / 2
PFHW 163	Healthy Lifestyles	2 / 3
PFHW 181	Stress Management	1 / 1

**METC Total**

66-68 credits / 15-18 billing hours