



Allied Health A.A.S.

Curriculum Code: 1814

Effective: Fall 2019 – Summer 2024

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 Core 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 [2019-2020 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 LC.C. 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 Core Courses, Recommended Choices

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

- Communication – *Select one*
SIGN 160, Intro to the Deaf Community, 3 credits / 3 billing hours
- Global Perspective and Diversity – *Select one*
- Math – *Select one*
- Science – *Select one*
- Writing – *Select one*

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

Students with Medical Education and Training Campus Radiologic Technology Transfer Credit should see the Medical Education and Training Campus Radiologic Technology section at the end of this pathway for specific Core options required for their program.

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 – Pre-Dental Hygiene	30 – 34 / 31 – 37
P002 – Pre-Diagnostic Medical Sonography	23 – 28 / 25 – 32
P006 – Pre-Nursing, PN/RN, 2Yr Program	31 – 33 / 36 – 38
P006 – Pre-Nursing, PN/RN, 2nd Degree Program	31 – 33 / 36 – 38
P006 – Pre-Nursing, PN/RN, Advanced Standing Program	31 – 33 / 36 – 38
P007 – Pre-Paramedic	4 – 8 / 6 – 11
P008 – Pre-Radiologic Technology	14 / 17
P009 – Pre-Surgical Technology	30 – 33 / 34 – 37

Option B – Health Certificates - *Select a minimum of 24 credits. One or more certificate pathways may be completed.*

Course Code	Course Title	Credit / Billing Hours	Certificate Pathway
CHSE 108	Long-Term Care Nurse Aide	5 / 8	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 / 3	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.
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	1018 – Basic Emergency Medical Technician C.C.
EMTA 102	Basic EMT II	2 / 4	1018 – Basic Emergency Medical Technician C.C.
EMTA 103	Basic EMT III	4 / 4	1018 – Basic Emergency Medical Technician C.C.
EMTA 104	Basic EMT IV	2 / 4	1018 – Basic Emergency Medical Technician C.C.
EMTA 112	Basic EMT Clinical	2 / 4	1018 – Basic Emergency Medical Technician C.C.
MASG 131	Therapeutic Massage I	4.5 / 4.5	1255 – Massage Therapy C.A.

Course Code	Course Title	Credit / Billing Hours	Certificate Pathway
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	Therapeutic Massage II	4.5 / 4.5	1255 – Massage Therapy C.A.
MASG 232	Therapeutic 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	1.5 / 2.5	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	Bus App Therapeutic Massage	2 / 2	1255 – Massage Therapy C.A.
MASG 256	Clinical Assess Therap 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.

Course Code	Course Title	Credit / Billing Hours	Certificate Pathway
NCHE 102	AHA BLS Provider CPR	0 / 0 Flat-rated, not covered by financial aid	
PFFT 104	Therapeutic 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.

Certificate Pathways	Credit / Billing Hours
1010 – Phlebotomy Technician C.C.	6 / 7
1017 - Sterile Processing Technician C.C.	12 / 14
1018 – Basic Emergency Medical Technician C.C.	14 / 20
1024 – Pharmacy Technician C.C.	7 / 7
1025 – Long-Term Care Nurse Aide C.C.	5 / 8
1255 – Massage Therapy CA	40 / 46
1442 – EKG Technician C.C.	7 / 7
1488 – Medical Insurance Billing and Coding C.C.	22 / 22
1704 – Group Fitness Instructor C.C.	26-30 / 30-35
1784 – Patient Care Technician C.C.	11 / 17.25
1811 – Medical Assistant C.A.	31 / 38

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.

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

Course Code	Course Title	Credit / Billing Hours
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

General Education MTA Courses, Recommended Choices - *Select 0 – 30 credits*
(For the full list of options, see [Michigan Transfer Agreement](#). 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
- English Composition (second course) or Communication – *Select one*
ENGL 122, Composition II, 4 credits / 4 billing hours
COMM 120, Dynamics of Communication, 3 credits / 3 billing hours
COMM 130, Fund of Public Speaking, 3 credits / 3 billing hours
- Humanities and Fine Arts – *Select 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 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 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. An additional 15-17 credits completed at LCC are required for graduation.

Joint Service Transcript Program Number:

Air Force: L5AQJ4R031 01AA Diagnostic Imaging Apprentice (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 Core Courses, Recommended Choices – Minimum 14 credits

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

- Communication – *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, Fund of Public Speaking, 3 credits / 3 billing hours
- Global Perspectives and Diversity – *Select one*
ANTH 271, Medical Anthropology, 3 credits / 3 billing hours
SOCL 120, Introduction to Sociology, 4 credits / 4 billing hours
- Math – *Select one. MATH 120 or above and STAT 170 and STAT 215 implicitly demonstrate proficiency and therefore satisfy the Core area requirement.*
MATH 119, Math – Applications for Living, 4 credits / 4 billing hours
- Science – *Waived with METC BIOL 101*
- Writing – *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

Program of Study Recommended Courses - *Select one 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