



Allied Health A.A.S.

Career Community: Health and Human Service Careers

Curriculum Code: 1814

Effective: Fall 2023 – Summer 2028

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.

The Career Community block of courses includes courses that are common to all degree options included in the Allied Health area (Dental Hygiene, Emergency Medical Services, Kinesiology/Exercise Science, Magnetic Resonance Imaging, Neurodiagnostic Technology, Nursing, Radiologic Technology, Surgical Technology, Ultrasound: Diagnostic Medical Sonography). Students may choose to move into one of the specific degree pathways or continue to complete the Allied Health degree by following Option A or Option B.

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. New students may complete the classes in Option B and earn the certificate(s) prior to completing the Career Community block of classes.

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.

Courses appearing in more than one section on the pathway can be counted only once toward the credit total. Not all courses in this pathway transfer to all colleges. Students who wish to transfer to a four-year institution should select coursework indicated for that institution and may also complete coursework for an Allied Health, Enhanced AAS degree. The Allied Health Enhanced AAS option allows students to transfer additional credits toward a Bachelor's degree.

Milestone

Completion of the required General Education courses in Math and English with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in these courses is the foundation for learning in other required courses. Students are encouraged to

contact their faculty if they need additional assistance with learning the concepts presented in these courses.

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 the [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 Prior 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 the Prior Learning Coordinator, Jobs Training Center, West Campus Building, 517-483-1857 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 Courses

Select courses as indicated for specific majors and/or for transfer. The recommended courses in each General Education category may also meet Michigan Transfer Agreement (MTA) requirements. A minimum grade of 2.0 is required for each General Education course.

- English Composition or Applied English
Health and Human Service Career Community Courses meet this requirement.
- English Composition (second course)/Communication or Applied Communication
Health and Human Service Career Community Courses meet this requirement.
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences
Health and Human Service Career Community Courses meet this requirement.
- Mathematics or Applied Mathematics
Health and Human Service Career Community Courses meet this requirement.
- Natural Sciences Lab or Applied Sciences and Technology Lab
Health and Human Service Career Community Courses meet this requirement.

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.

Military (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.

Health and Human Service Career Community Required Courses - *These courses are required for students completing the Allied Health degree, the Emergency Medical Services, Human Services, or Kinesiology/Exercise Science degree, and for all degree programs included under Option A. Some courses meet General Education requirements for Michigan Transfer Agreement (MTA). A minimum grade of 2.0 is required to meet LCC degree requirements for General Education courses and for all courses to transfer to other colleges (some colleges, and some programs within colleges, require a higher grade in a course.)*

Course Code	Course Title	Credit / Billing Hours
ACAD 100	First-Year Experience	1 / 1
BIOL 145 or BIOL 201 and BIOL 202	Intro Anatomy and Physiology Human Anatomy and Human Physiology	4 / 6 8 / 11
COMM 110 or COMM 120 or COMM 130 or ENGL 122 or ENGL 132	Communication in the Workplace Dynamics of Communication Fundamentals Public Speaking Composition II Honors Composition II	3 / 3 3 / 3 3 / 3 4 / 4 4 / 4
ENGL 121 or ENGL 131	Composition I Honors Composition I	4 / 4 4 / 4
MATH 117 or MATH 119 or MATH 120 or MATH 126 or MATH 151 or STAT 170 or STAT 215	Math for Business Math – Applications for Living College Algebra Precalculus Calculus I Introduction to Statistics Intro to Probability and Stats	4 / 4 4 / 4 4 / 4 5 / 5 4 / 4 4 / 4 4 / 4
SOCL 120	Introduction to Sociology	4 / 4

Notes:

ACAD 100 may be waived when students meet one of the following College-approved waiver criteria:

- Completion of 12 college-level credits with minimum grades of 2.0 shown on the LCC transcript (including transfer, if applicable), or
- Employment in the field of, or a field related to, the degree being sought, or
- For Health Careers students, successful completion of CHSE 100.

Students wishing to waive ACAD 100 should contact their advisor.

For future major areas:

- Dental Hygiene students choose MATH 119 or MATH 120.
- Emergency Medical Services students choose MATH 120 or MATH 126.
- Human Services students choose BIOL 145, and ENGL 121 or ENGL 131, and ENGL 122 or ENGL 132, and MATH 119 or MATH 120 or STAT 170.
- Kinesiology/Exercise Science students choose MATH 120 or MATH 126 or MATH 151 or STAT 170. Students planning to transfer choose MATH 120 or MATH 126 or MATH 151. Non-transfer students may choose STAT 170.
- Magnetic Resonance Imaging students choose BIOL 201 and BIOL 202, and MATH 120 or STAT 170 or STAT 215.
- Neurodiagnostic Technology students choose MATH 119 or MATH 120.
- Nursing (PN or RN option) students choose BIOL 201 and BIOL 202, and MATH 119 or STAT 170 or STAT 215.
- Radiologic Technology students choose MATH 119 or MATH 120 or STAT 170.
- Surgical Technology students choose BIOL 201 and BIOL 202, and MATH 117 or MATH 119 or STAT 170 or STAT 215.
- Ultrasound: Diagnostic Medical Sonography students choose MATH 120 or STAT 170 or STAT 215.
- Students considering transfer, for all majors, choose BIOL 201 and BIOL 202, and COMM 130.

Program of Study Required Courses – *Select Option A, Option B, or a combination of courses from each option for a minimum of 30 credits.*

Option A – Selective Admission – *Students choosing this option select courses in one or more pre-programs as indicated in the advising guide(s). Students choosing only option A must have a minimum of 30 credits.*

Selective Admission Pre-Programs Advising Guides	Credit / Billing Hours
Pre-Dental Hygiene Advising Guide	30 – 39 / 32 – 44
Pre-Magnetic Resonance Imaging Technology Advising Guide	27 / 31
Pre-Neurodiagnostic Medical Technology Advising Guide	31 – 35 / 34 – 39
Pre-Nursing PN or RN Option 2 Year Track Advising Guide	30 – 32 / 34 – 38
Pre-Nursing PN or RN Option 2nd Degree Track Advising Guide	30 – 32 / 34 – 38
Pre-Nursing PN or RN Option Advanced Standing Track	30 – 32 / 34 – 38
Pre-Radiologic Technology Advising Guide	24 – 29 / 26 – 32
Pre-Surgical Technology Advising Guide	30 – 32 / 33 – 36
Pre-Ultrasound: Diagnostic Medical Sonography Advising Guide	22 – 27 / 25 – 31

Option B – Health Certificates and Health Related Courses – *Students choosing only option B select a minimum of 30 credits. One or more certificate pathways may be completed. There is a 3-credit maximum for MGMT courses, a 2-credit maximum for PFFT/PFWT courses, and a 12-credit maximum for Science (BIOL/CHEM/PHYS) courses.*

Course Code	Course Title	Credit / Billing Hours	Certificate Pathway
BIOL or CHEM or PHYS XXX	Various Science courses	1-5 / 3-7 (12-credit maximum)	
CHSE 100	Intro to Health Professions	3 / 3	
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 114	Pathophysiology-Allied Health	3 / 3	
CHSE 117	Health Law and Ethics	2 / 2	
CHSE 120	Medical Terminology	4 / 4	1017 – Sterile Processing Techn. 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.
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 100	Emergency Medical Responder	4 / 6	
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.

Course Code	Course Title	Credit / Billing Hours	Certificate Pathway
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.
IDMS 250	Vascular Technology I	6 / 6	1604 – Vascular Technology C.C.
IDMS 251	Vascular Technology II	6 / 6	1604 – Vascular Technology C.C.
IDMS 255	Vascular Scan Lab I	2.5 / 4	1604 – Vascular Technology C.C.
IDMS 256	Vascular Scan Lab II	2.5 / 4	1604 – Vascular Technology C.C.
MSGE 131	Massage I	2.13 / 4	1826 – Massage Therapy C.C.
MSGE 132A	Anatomy/Physiology Massage I	2.13 / 4	1826 – Massage Therapy C.C.
MSGE 132B	Anatomy/Physiology Massage II	1.06 / 2	1826 – Massage Therapy C.C.
MSGE 137	Medical Terminology in Massage	1.06 / 2	1826 – Massage Therapy C.C.
MSGE 139A	Pathology for Massage I	.53 / 1	1826 – Massage Therapy C.C.
MSGE 139B	Pathology for Massage II	.53 / 1	1826 – Massage Therapy C.C.
MSGE 141	Massage Clinic I	1.33 / 2.5	1826 – Massage Therapy C.C.
MSGE 151A	Research Literacy	.80 / 1.5	1826 – Massage Therapy C.C.
MSGE 151B	Event Massage	.80 / 1.5	1826 – Massage Therapy C.C.
MSGE 151C	Maternal/Infant Massage	.53 / 1	1826 – Massage Therapy C.C.
MSGE 151D	Special Populations	.80 / 1.5	1826 – Massage Therapy C.C.
MSGE 231	Massage II	2.13 / 4	1826 – Massage Therapy C.C.
MSGE 232	Massage III	2.13 / 4	1826 – Massage Therapy C.C.
MSGE 235	Licensing Exam Prep	.53 / 1	1826 – Massage Therapy C.C.
MSGE 241	Massage Clinic II	1.33 / 2.5	1826 – Massage Therapy C.C.
MSGE 242	Massage Clinic III	1.60 / 3	1826 – Massage Therapy C.C.
MSGE 252	Energy-Based Modalities	1.06 / 2	1826 – Massage Therapy C.C.
MSGE 253	Spa & Clinic Modalities	1.06 / 2	1826 – Massage Therapy C.C.
MSGE 254	Busn App for Massage	1.06 / 2	1826– Massage Therapy C.C.
MSGE 256	Clinical Assess for Massage	1.06 / 2	1826 – Massage Therapy C.C.
MSGE 258	Career Longevity	1.06 / 2	1826– Massage Therapy C.C.
MEDA 110	Intro MA Med Terms & Pathology	5 / 5	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	7 / 11	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.

Course Code	Course Title	Credit / Billing Hours	Certificate Pathway
MEDA 177	MA Practicum Immersion	3 / 3	1811 - Medical Assistant C.A.
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	
NCHE 102	AHA BLS Provider CPR	0 / 0*	
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 109	Introduction to Fitness	1 / 2	1704 – Group Fitness Instructor C.C.
PFHW 123	Human Nutrition	3 / 3	1704 – Group Fitness Instructor C.C.
PFHW 163	Healthy Lifestyles	2 / 3	
PFHW 181	Stress Management	1 / 1	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	1705 – Personal Trainer C.A.
PFKN 201	Exercise Physiology Lab	1 / 2	1705 – Personal Trainer C.A.
PFKN 205	Sport & Exercise Psychology	3 / 3	1705 – Personal Trainer C.A.
PFKN 208	Biomechanics	3 / 3	1705 – Personal Trainer C.A.
PFKN 210	Athletic Training Principles	3 / 4	1705 – Personal Trainer C.A.
PFKN 250	Measurements in Kinesiology	3 / 4	1704 – Group Fitness Instructor C.C.
PFKN 260	Growth and Motor Behavior	3 / 3	1704 – Group Fitness Instructor C.C.
PFKN 270	Personal Trainer Preparation	4 / 5	1705 – Personal Trainer C.A.
PFKN 280	Kinesiology Internship	3 / 3	1705 – Personal Trainer C.A.
PFWT 112	Intro to Weight Training	1 / 2	1704 – Group Fitness Instructor C.C.
PFWT 123	Weight Training I	2 / 3	
SOWK 101	Introduction to Social Work	3 / 3	
STPR 145	Foundations Sterile Processing	5 / 6.5	1017 – Sterile Processing Techn. C.C.
STPR 148	Sterile Processing Externship	2 / 2	1017 – Sterile Processing Techn. C.C.
SURG 103	Surgical Asepsis	2 / 2	

*Flat-rated, not covered by financial aid

Elective Courses, General Education – Transfer Degrees (MTA) Recommended

Courses – Any MTA courses may be selected in consultation with a Health Careers advisor based on academic goals for transfer. Select courses to reach the minimum 60 total credits for this degree (maximum of 30 credits). (For the full list of options, see [General Education](#)).

Minimum Total 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 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, 2024

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 Courses – *Minimum 14 credits*

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

- English Composition or Applied English – *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)/Communication or Applied 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, 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 from the Transfer Degrees (MTA) category*
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

Minimum METC Total

66 credits / 15 billing hours

LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree title changes, and make course changes as needed, without prior notice.