

INSTITUTIONAL LEARNING COMPETENCIES

PROGRAM MAP

ASSESSMENT COMMITTEE

Spring 2022

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Associate in Arts in Business

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ACCO 201		R			
ACCO 202		R			
ART 110	I				
BUSI 207				M	
BUSI 200			M		
ECON 201		R			
ECON 202		M			
EDUC 120			I		
ENGL 103	M				
ENST 112					R
GEOG 110					I
HUMA 210					M
MATH 150		I			
PSYC 101				R	
SPEE 102	R				
SOCI 201			R		
	PLO 3 Develop solutions to business problems, using appropriate language and tools.	PLO 5 Explain effective business decisions and solutions.	PLO 2 Demonstrate professional demeanor.	PLO 1 Apply ethical frameworks to business situations.	PLO 4 Discuss the effects of culture and ethics in current global and domestic business environment.

Associate in Arts in Communications

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
COMM 110		R			
COMM 115		M			
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
ENGL 261			M		
ENST 112					R
GEOG 110					I
HUMA 210					M
MATH 128		I			
PSYC 101				M	
SOCI 201			R		
SPEE 102	I				
SPEE 104	R				
	PLO 2 Create messages appropriate to diverse audiences, purposes, and contexts.	PLO 4 Explain communication theories, perspectives, principles, and concepts when thinking critically about rhetorical situations.	PLO 5 Take part in communication inquiry through curricular and co-curricular experiences.	PLO 1 Choose ethical communication principles and practices when making decisions for oneself as well as the community.	PLO 3 Evaluate local, national, and/or global issues from a communication's perspective in order to influence public discourse and embrace difference.

Associate in Arts in Creative Writing

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
ENGL 261		M			
ENGL 263			M		
ENGL 265			R		
ENST 112					R
GEOG 110					I
HUMA 210					M
MATH 128		I			
PSYC 101				M	
SOCI 201			R		
SPEE 102	I				
SPEE 104	R				
	PLO 2 Compare verbal and non-verbal ideas and information used in the discussion of creative literature.	PLO 3 Deduce the core elements of the writer's craft in fiction, creative nonfiction, and poetry when they presented with a variety of literature.	PLO 5 Verify interest, curiosity, and passion for fiction, nonfiction, and poetry genres.	PLO 1 Assess the impact of creative writing voice and ideas among the creative writing genres	PLO 4 Differentiate between creative literature dealing with cultural and global issues.

Associate in Arts in Elementary Education

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
BISC 111		I			
EDUC 101			R		
EDUC 120			I		
EDUC 220					M
EDUC 260			M		
EDUC 217		M			
EDUC 222				M	
EDUC 215			R		
PSYC 296		R			
ENGL 103	R				
ENGL 104	M				
ENGL 251					R
HIST 201		R			
HIST 230		R			
MATH 128		I			
MATH 153		R			
MATH 154		R			
POSC 201			R		
PSYC 101				R	
SCIE 190		R			
SPEE 102	I				
	PLO 4 Generate effective communication both oral and	PLO 2 Design learning opportunities based on	PLO 5 Value collaborative work environments	PLO 3 Design learning opportunities based on	PLO 1 Compare and contrast global

	written used in educational settings.	core teaching practices in lower elementary settings.	identified in education as a (PLC) Professional Learning Community.	ethical anti-bias practices.	educational practices.
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Associate in Arts in English Literature

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ART 110	I				
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
ENGL 232		M			
ENGL 235			R		
ENGL 261			M		
ENGL 282				M	
ENST 112					R
GEOG 110					I
HUMA 210					M
MATH 128		I			
PSYC 101				R	
SOCI 201			R		
SPEE 102	I				
SPEE 104	R				
	PLO 5 Write with an awareness of audience, purpose, form, and other rhetorical concepts.	PLO 2 Choose critical and theoretical approaches during the reading and analysis of literary and cultural texts in	PLO 4 Integrate own attention, curiosity, interest, optimism, and passion for literature into classroom and non-classroom experiences.	PLO 1 Compose writings that exhibit the ability to ethically gather, understand, evaluate, and synthesize information from sources.	PLO 3 Explain the diverse social, cultural, and historical contexts in which literary texts are produced, read, and analyzed.

		multiple genres.			
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Associate in Arts in Entrepreneurship

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ACCO 201		R			
ART 110	I				
BUSI 200			R		
BUSI 210			R		
BUSI 220			M		
BUSI 240	R				
ECON 202		M			
EDUC 120			I		
ENGL 103	R				
ENST 112					R
GEOG 110					I
HUMA 210					M
MATH 150		I			
PSYC 101				M	
SPEE 104	M				
	PLO 3 Develop solutions to business problems, using appropriate language and tools.	PLO 5 Explain effective business decisions and or solutions.	PLO 2 Demonstrate professional demeanor.	PLO 1 Apply ethical frameworks to business situations.	PLO 4 Discuss the effects of culture and ethics in current global and domestic business environments.

Associate in Arts in General Studies

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ART 110	I				
ENGL 103 or ENGL 104 or SPEE 102 Or SPEE 104	M				
EDUC 120			I		
ENST 112					R
GEOG 110					I
HUMA 210					M
MATH 127 or MATH 128 or MATH 150		M			
PSYC 101				M	
SOCI 201			M		
	PLO 3 Effectively organize ideas through listening, speaking, reading, and writing in interpersonal and professional settings.	PLO 4 Evaluate information and its sources critically.	PLO 1 Develop the ability to productively participate in group situations.	PLO 5 Value ethical and respectful behavior when working with campus community and the general community.	PLO 2 Develop respect for human diversity and awareness of own assumptions, stereotypes and biases when confronting differences.

Note:
Major-specific Required Courses

Completion of enough other courses until 60 or more course total credits are accumulated.
Coursework can be from any filed.

Associate in Arts in Graphic Design

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ART 100					I
ART 101					R
ART 102				I	
ART 105 or ART 225	I				
ART 203					R
ART 204					R
ART 213		R			
ART 219	R				
ART 220					M
ART 230		M			
ART 265				M	
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
ENST 112					R
GEOG 110					I
HUMA 202			R		
MATH 128		I			
PSYC 101				R	
SOCI 201			M		
	PLO 3 Compile a specific repertoire of dialogue and terminology for informed interaction with industry professionals.	PLO 2 Build iterative systems for visual problem solving.	PLO 4 Develop habits conductive to building a creative and active learning community.	PLO 1 Analyze visual communication designs for sensitivity towards specific and global audiences.	PLO 5 Establish an informed relationship between visual communication and its specific audience using contemporary systems and client-driven, design-based practices.

Associate in Arts in Health Services

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
BIOL 214		R			
BIOL 215		M			
CHEM 101				I	
EDUC 120			I		
EDUC 215			R		
ENGL 103	I				
ENGL 104	M				
HEED 101					I
HEED 163				R	
HUMA 210					R
MATH 127		I			
PHIL 210				M	
PSYC 101				I	
SOCI 201			M		
SOCI 240					M
SPEE 104	R				
	PLO 2 Demonstrate strong communication skills that are fundamental in the field of Health Services.	PLO 3 Demonstrate the ability to think critically in the Health Services field.	PLO 1 Apply Health Services theories to real life situations.	PLO 5 Demonstrate an understanding of Health Services ethical standards and theories of practice and apply knowledge and skills gained in the classroom in a professional setting or in obtaining an advanced degree.	PLO 4 Demonstrate the ability to work and communicate with others in a culturally competent manner.

Associate in Arts in Music

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
EDUC 120			I		
EDUC 215			R		
ENGL 103	R				
ENGL 104	M				
ENST 112					
GEOG 110					I
HUMA 204					R
MATH 128		R			
MUSI 101			R		
MUSI 102			M		
MUSI 201		R			
MUSI 202		M			
MUSI 203				M	
MUSI 204					M
PSYC 101				R	
	PLO 3 Engage in constructive critical dialogue around their performances and the works of their peers, synthesizing personal exploration with contemporary research models and practices.	PLO 5 Theorize critically and gain proficiency utilizing divergent thinking strategies allowing for deeper understanding, reflection or metacognition of concepts.	PLO 1 Build proficiency within a rehearsal environment, sharing responsibility for the success of the course in the service of creating expansive and enhanced spaces for	PLO 2 Develop an understanding of the context of the works presented by identifying and interpreting the conditions— cultural, technological, and historical— expressed	PLO 4 Expand habits of mind conducive to building a creative & active learning community by promoting curiosity, flexibility, and openness to new

			persistence and engagement.	through diverse performance and/or compositional practices.	information systems and approaches to learning.
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Associate in Arts in Psychology

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ART 110	I				
BIOL 110		R			
EDUC 120			I		
ENGL 103	R				
ENST 112					R
MATH 150		I			
PHED 103				I	
PHIL 210				R	
PSYC 101				R	
PSYC 102	M				
PSYC 180				M	
EDUC 215			R		
PSYC 260				R	
PSYC 296		M			
SOCI 201			R		
SOCI 203			M		
SOCI 240					M
SOWK 100					I
SOWK 120					R
SOWK 200		R			
SPEE 102	R				
	PLO 1 Assimilate key factors associated with	PLO 5 Solve real world challenges	PLO 2 Determine applications of	PLO 3 Establish values that espouse the	PLO 4 Integrate sociocultural factors,

	effective communication in order to interact successfully with others.	utilizing innovative and integrative thinking and problem solving.	psychological content and skills to real world situations through focused attention, curiosity, and interest gleaned from their classes, as well as through out – of – class experiences.	application of ethical values set forth by the American Psychological Institute, while building community at local, national, and global levels.	including societies, issues, trends, and systems into psychological, scientific inquiry.
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Associate in Arts in Social Science

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ART 110	I				
BISC 111		R			
ECON 201		R			
ECON 202		R			
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
ENST 112					I
HIST 101		I			
HIST 202		M			
HUMA 210					R
MATH 150		I			
PHED 103				I	
PHIL 201				M	
POSC 201			R		
PSYC 101				R	
SOCI 201			R		
SOCI 203			M		
SOCI 240					M
SPEE 102 or SPEE 104	R				
	PLO 3 Develop skills to communicate clearly and	PLO 1 Analyze concepts and	PLO 5 Value community development	PLO 4 Examine the ethical implications of	PLO 2 Develop a sense of social

	effectively, in both writing and speaking, in academic and professional careers.	theories in real world situations.	and engagement.	social science inquiry.	responsibility to apply knowledge and experience to foster appreciation for the diverse social world in which we live.
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Associate in Arts in Visual Arts

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ART 100	I				
ART 101		R			
ART 102			R		
ART 120		R			
ART 203				M	
ART 204		M			
EDUC 120			I		
ENGL 103	M				
ENST 112					R
GEOG 110					I
HUMA 204					M
MATH 128		I			
PSYC 101				R	
SOCI 201			M		
SPEE 104	R				
	PLO 3 Engage in constructive critical dialogue around their projects and the works of their peers, synthesizing personal exploration with contemporary research models and practices.	PLO 5 Theorize critically and gain proficiency utilizing divergent thinking strategies allowing for deeper understanding, reflection or metacognition of concepts.	PLO 1 Actively build proficiency within a studio environment, sharing responsibility for the success of the course in the service of creating expansive and enhanced spaces for	PLO 2 Develop an understanding of the context of the works presented by identifying and interpreting the conditions—cultural, technological, and historical—expressed through	PLO 4 Expand habits of mind conducive to building a creative & active learning community by promoting curiosity, flexibility, and openness to new

			persistence and engagement.	diverse artistic practices.	information systems and approaches to learning.
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Associate in Science in Biology and Medical Pre-Professional

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
Art 110	I				
BIOL 101		I			
BIOL 102		M			R
CHEM 101				I	
CHEM 102				R	
CHEM 201				R	
CHEM 202				M	
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
MATH 130		R			
PHIL 201					M
PHYS 101			R		I
PHYS 102			M		I
PSYC 101				R	
SOCI 201			R		
	PLO 4 Illustrate effective communication methods including oral, written, scientific, and mathematical.	PLO 3 Develop a fundamental understanding of key concepts in math and science.	PLO 5 Take part in active learning activities both in and out of the classroom.	PLO 1 Analyze the context of problems and the ramifications of various courses of action.	PLO 2 Assess the interdependence of systems.

Associate in Science in Environmental Sciences

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ART 110	I				
BIOL 101		I			
BIOL 102		M			
CHEM 101				I	
CHEM 102				R	
CHEM 201				R	
CHEM 202				M	
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
ENST 112					M
GEOG 110					I
MATH 130		R			
PHIL 201					R
PSYC 101				R	
SOCI 201			M		
	PLO 4 Illustrate effective communication methods including oral, written, scientific, and mathematical.	PLO 3 Develop a fundamental understanding of key concepts in math and science.	PLO 5 Take part in active learning activities both in and out of the classroom.	PLO 1 Analyze the context of problems and the ramifications of various courses of action.	PLO 2 Assess the interdependence of systems.

Associate in Science in General Studies

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ART 110	I				
BIOL 101		I			
BIOL 102		M			R
CHEM 101				I	
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
HUMA 210					M
MATH 130		R			
PSYC 101				M	
SOCI 201			M		
SPEE 102 or SPEE 104	R				
	PLO 3 Develop effective communication strategies, in both writing and speaking, in interpersonal and professional setting.	PLO 1 Determine a problem to be solved and information needed to solve the problem.	PLO 2 Develop the ability to effectively participate in group situations.	PLO 4 Recognize ethical principles and their application in personal and professional life.	PLO 5 Value other cultures and global societies.

Note:

Major-specific Required Courses

Completion of enough other courses until 60 or more course total credits are accumulated.
Coursework can be from any field.

Associate in Science in Science, Engineering, and Math Professional

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ART 110	I				
CHEM 101				I	
CHEM 102				R	
EDUC 120			I		
ENGL 103	R				
MATH 130		I			
MATH 141		R			
MATH 142		R			
MATH 201		R			
MATH 205		M			
PHIL 201					M
PHYS 201			R		I
PHYS 202			M		I
POSC 201			R		
SOCI 201			R	M	
SPEE 104	M				
	PLO 4 Illustrate effective communication methods including oral, written, scientific, and mathematical.	PLO 3 Develop a fundamental understanding of key concepts in math and science.	PLO 5 Take part in active learning activities in both in and out of the classroom.	PLO 2 Analyze the context of problems and the ramifications of various courses of action.	PLO 1 Assess the interdependence of systems.

Associate in Applied Science in Accounting

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ACCO 201		I			
ACCO 202		R			
ACCO 204		R			
ACCO 211		R			
ACCO 212		M			M
BUSI 200			R		
BUSI 201			M		
BUSI 207				M	
BUSI 214	R				
BUSI 240	R				
ECON 201		R			
ECON 202		R			
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
ISYS 110		I			
ISYS 181		I			
MATH 150		I			
SPEE 102	I				
	PLO 5 Verify effective communication methods in both oral and written English used in accounting and business.	PLO 1 Analyze both financial and managerial accounting theories,	PLO 4 Value collaborative work environment.	PLO 2 Discuss ethical and non-ethical behavior in the business environment.	PLO 3 Interpret global business and accounting implications.

		practices and laws that govern accounting.			
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Associate in Applied Science in Agricultural Business
(This degree is a shared program with Michigan State University and is currently under review)

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ACCO 201		R			
BIOL 118		R			
BUSI 201			R		
BUSI 207				M	
BUSI 212		M			
BUSI 220			M		M
CHEM 100				I	
BUSI 200			R		
ECON 202		R			
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
ISYS 110		I			
MATH 150		I			
SPEE 102	I				
	PLO 3 Compose effective written, verbal, and electronic communications for agricultural settings.	PLO 2 Assess the needs of farming business systems	PLO 5 Expand their agricultural knowledge using their base knowledge gained in this program.	PLO 4 Distinguish their ethical position and priorities to the challenges facing the agricultural industry.	PLO 1 Analyze agricultural marketing and business systems from global to local perspectives.

Note:

Upon completion of this degree, students will earn either a Certificate in Agricultural Operations or a Certificate in Fruit and Vegetable Crop Management from Michigan State University (MSU) in addition to the A.A.S. degree from Southwestern Michigan College.

The MSU Certificate requires students to complete 30 or 34 credits.

Associate in Applied Science in Agricultural Technology

(This degree is a shared program with Michigan State University and is currently under review)

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
BIOL 118		R			
BUSI 200			M		
CHEM 100				I	
CHEM 101				I	
ECON 201		R			
ECON 202		M			M
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
HIST 101		R			
ISYS 110		I			
MATH 127		I			
POSC 201			R	M	
SPEE 104	R				
	PLO 2 Compose effective written, verbal, and electronic communications for agricultural settings.	PLO 3 Diagnose various crop related issues in production agriculture systems.	PLO 5 Expand their agricultural knowledge using their base training gained in this program.	PLO 4 Discern and articulate their ethical responsibilities to the challenges in production agriculture systems.	PLO 1 Analyze agricultural systems from global to local perspectives as they relate to the needs, supplies and markets of the crop production setting.

Note:

Upon completion of this degree, students will earn either a Certificate in Agricultural Operations or a Certificate in Fruit and Vegetable Crop Management from Michigan State University (MSU) in addition to the A.A.S. degree from Southwestern Michigan College.

The MSU Certificate requires students to complete 30 or 34 credits.

Associate in Applied Science in Automotive Technology

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
AUTO 103			R		
AUTO 116			R		
AUTO 119		I			
AUTO 122					I
AUTO 131					I
AUTO 147				I	
AUTO 148				R	
AUTO 216				M	
AUTO 222		I			
AUTO 223			M		
AUTO 227		R			
AUTO 228		R			
AUTO 229		M			
AUTO 232					R
AUTO 234					R
AUTO 246					M
BUSI 240	R				
EDUC 120			I		
ENGL 103	M				
MATH 101				I	
MATH 102				R	
SPEE 102	I				
SPEE 104	R				
	PLO 4	PLO 1	PLO 5	PLO 2	PLO 3

	Select appropriate and professional communication techniques.	Assess the condition of a vehicle and its systems and choose the appropriate repair or maintenance methodology.	Work and assimilate as a contributing member of a task-oriented team.	Determine safe working conditions and establish a safe working environment.	produce results consistent with the Automotive Service Excellence (ASE) industry standards and practices.
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Associate in Applied Science in Business

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ACCO 201		R			
ACCO 202		R			
BUSI 200			R		
BUSI 201			R		
BUSI 207				M	
BUSI 210			R		
BUSI 214	M				
BUSI 220			M		
BUSI 225		M			
BUSI 240	R				
ECON 201		R			
ECON 202		R			
EDUC 120			I		
ENGL 103	R				
ENST 112					R
HUMA 210					M
ISYS 110		I			
MATH 150		I			
SPEE 102	I				
	PLO 3 Develop solutions to business problems, using appropriate language and tools.	PLO 5 Explain effective business decisions and or solutions.	PLO 2 Demonstrate professional demeanor.	PLO 1 Apply ethical frameworks to business situations.	PLO 4 Discuss the effects of culture and ethics in current global and domestic business environments.

Associate in Applied Science in Construction Trades Green Technology

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
BUSI 200			R		
BUSI 240	R				
CADD 101				I	
CONS 114			I		
CONS 115		I			
CONS 117		R			
CONS 131			R		
CONS 132				R	
CONS 140	I				
CONS 145	R				
CONS 150					M
CONS 161		R			
CONS 165			R	M	
CONS 169		M			R
CONS 180			M		
EDUC 120			I		
ENGL 103	M				
ISYS 110		I			
MATH 102				R	
SPEE 102	I				
	PLO 1 Assess the communication practices necessary for a positive safety	PLO 3 Determine the logical progression of a project from building	PLO 5 Explain the importance of attention to detail in building	PLO 2 Decide what constitutes ethical business behavior.	PLO 4 Evaluate the impact global products and trade have on

	culture in the workplace.	plans and specifications.	energy evaluations.		green residential buildings.
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Associate in Applied Science in Criminal Justice

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
BIOL 110		R			
BUSI 200			R		
BUSI 207				R	
CRIM 102				I	
CRIM 110					R
CRIM 111		M			
CRIM 113				M	
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
ENST 112					I
HUMA 210					R
MATH 127		I			
MATH 128		I			
MATH 150		I			
POSC 201					
PSYC 101				R	
SOCI 201			M		
SOCI 240					M
SPEE 102	I				
	PLO 3 Develop effective written and verbal capabilities in a variety of	PLO 1 Analyze the components of the criminal justice system;	PLO 2 Assemble knowledge gained from participating in curricular and co-	PLO 5 Value the ethics and moral abilities of criminal justice professionals.	PLO 4 Evaluate the history of the American criminal justice

	situations in the field.	police, courts, and corrections, as well as the juvenile justice system	curricular activities to enhance one's education and student experience.		system and how many aspects of it originated in England.
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Associate in Applied Science in Early Childhood Education

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
BISC 111		I			
BUSI 240	R				
EDUC 120			I		
EDUC 101			R		
EDUC 115	I				
EDUC 208	M				
EDUC 210				M	I
EDUC 217		M			R
EDUC 220					M
EDUC 230			R		
EDUC 260			M		
ENGL 103	R				
HIST 230		R			
PHED 103				I	
PSYC 101				R	
PSYC 296		R			
	PLO 4 Generate effective communication both oral and written used in care and educational settings.	PLO 3 Design learning opportunities based on NAEYC (National Association for the Education of Young Children) in various early childhood settings.	PLO 5 Value collaborative work environments identified in education as a (PLC) Professional Learning Community.	PLO 2 Design learning opportunities based on ethical anti- bias practices.	PLO 1 Compare and contrast global educational practices.

Associate in Applied Science in Engineering Technology

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
CADD 101				I	
CHEM 101				R	
ECON 202		M			
EDUC 120			I		
ENGL 103	R				
HIST 102					R
HUMA 210					M
INTE 126				M	
INTE 140	I				
ISYS 110		I			
MATH 130		R			
MATH 141		R			
PHED 103				I	
PHYS 101			R		I
PHYS 102			M		I
POSC 201			R		
SPEE 104	M				
	PLO 4 Illustrate effective communication methods including oral, written, scientific, and mathematical.	PLO 4 Develop a fundamental understanding of key concepts in math and science.	PLO 5 Take part in active learning activities both in and out of the classroom.	PLO 2 Analyze the context of problems and the ramifications of various courses of action.	PLO 1 Assess the interdependence of systems.

Associate in Applied Science in Fire Science

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
CHEM 100				I	
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
FISC 102		I			
FISC 110		R			
FISC 111		M			
FISC 112			M		
FISC 210					I
FISC 211					R
FISC 213					M
HEED 131				I	
HEED 132				M	
ISYS 110		I			
MATH 101				I	
PHED 103				I	
POSC 201			R		
PSYC 101				R	
SOCI 201			R		
SPEE 104	R				

Associate in Applied Science in Graphic Design Technology

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
ART 100					I
ART 101					R
ART 105	I				
ART 204					R
ART 213		R			
ART 219	R				
ART 220					M
ART 230		M			
ART 261			M		
ART 265				M	
BUSI 200			R		
ENGL 103	R				
ENGL 104	M				
MATH 128		I			
PSYC 101				R	
	PLO 3 Compile a specific repertoire of dialogue and terminology for informed interaction with industry professionals.	PLO 2 Build iterative systems for visual problem solving.	PLO 4 Develop habits conducive to building a creative and active learning community.	PLO 1 Analyze visual communication designs for sensitivity towards specific and global audiences.	PLO 5 Establish an informed relationship between visual communication and its specific audience using contemporary systems and client-driven, design-based practices.

Associate in Applied Science in Health Information Technology

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
BIOL 110		I			
EDUC 120			I		
ENGL 103	I				
ENGL 104	R				
HEED 101	I				
HEED 137					I
HEED 163					R
HIMS 101				I	
HIMS 180				R	
HIMS 201					R
HIMS 202					R
HIMS 203		R			
HIMS 205			R		
HIMS 210			R		
HIMS 255	M	M	M	M	M
HIMS 290			M		
MATH 101				R	
MEDA 221		R			
PHED 103				I	
SOCI 240					R
SPEE 104	R				
	PLO 3 Design appropriate	PLO 5 Understand, evaluate and	PLO 2 Appraise the positive	PLO 1 Apply privacy strategies to	PLO 4 Implement the AHIMA

	graphs for successful display, interpretation, and comparison of data.	apply health information/record laws and regulations, including retention, patient rights/advocacy, advanced directives and privacy issues.	impact of information technology advancement on performance improvement plans.	health information.	Code of Ethics to the coding process.
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Associate in Applied Science in Industrial Technology

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
EDUC 120			I		
ENGL 103	R				
ENGL 104	M				
SPEE 102	I				
SPEE 104	R				
INTE 227				M	
ISYS 110		I			
	PLO 4 Select appropriate and professional communication techniques.	PLO 2 Chooses the appropriate welding methodology to use.	PLO 1 Assimilates as a contributing member of a task-oriented team.	PLO 5 Selects the requirements of a safe work environment.	PLO 3 Differentiates the use of various metals in welding.

Note:

This program as outlined does not meet MTA requirements. Students interested in satisfying the MTA need a higher-level math course, two natural science courses, two social science courses, and two humanities courses. The Institutional Learning Competencies (ILCs) are mapped into these courses. Hence, the graduate of the Industrial Technology, A.A.S. Program will progress into the mastery level on each ILC.

Associate in Applied Science in Information Technology Networking
Transfer Track to Ferris State University

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
BISC 111		R			
ECON 202		R			
EDUC 120			I		
ENGL 103	R				
GEOG 110					R
HUMA 210					M
ISYS 115	I				
ISYS 201					I
ISYS 207			M		
ISYS 271		R			
ISYS 272				I	
ISYS 281				M	
ISYS 282	M				
ISYS 284		R			
ISYS 285		M			
MATH 150		I			
PHIL 210				R	
SOCI 201			R		
SPEE 102	R				
	PLO 1 Develop project management skills by communicating effectively, both orally and in writing.	PLO 4 Investigate and resolve IT- related issues through a logical troubleshooting process.	PLO 2 Establish a professional demeanor as a member of a task- oriented team.	PLO 3 Integrate general business principles to develop ethical	PLO 5 Provide organizational support for both internal and external users.

				decision-making skills.	
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Associate in Applied Science in Medical Assisting

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
BIOL 110		I			
BUSI 214	R				
EDUC 120			I		
ENGL 103	I				
ENGL 104	R				
HEED 101	I				
HEED 137	R				
HEED 175					I
ISYS 110		R			
MATH 101				I	
MEDA 210				I	R
MEDA 211		R			
MEDA 212			R		
MEDA 220				R	
MEDA 221		R			
MEDA 240	M	M	M	M	M
MEDA 250	M	M	M	M	M
PSYC 101				R	
SPEE 104	R				
	PLO 5 Demonstrate effective communication and professionalism with patients, family, and the healthcare team evidenced by the internship evaluations.	PLO 1 Apply Critical Thinking and Reasoning skills in patient care as a medical assistant as evidenced by the internship evaluation.	PLO 4 Demonstrate competency in administrative and clinical skills as an entry-level medical assistant as evidenced by the Internship Evaluations.	PLO 2 Apply the medical assisting standards of practice in the healthcare field as evidenced by the internship evaluations.	PLO 3 Apply the learning expectation of an entry-level medical assistant in the domains of Cognitive (knowledge), Psychomotor, (skills), and Affective (behavior). Measurement of success will be evidenced in the internship evaluation.

Associate in Applied Science in MRI Technology

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
BIOL 214		R			
BIOL 215		R			
CHEM 100				I	
EDUC 120			I		
ENGL 103	M				
HEED 101	I				
MATH 127		I			
MRI 200	R				
MRI 201					M
MRI 220		R			
MRI 222		M			
MRI 230		R			
MRI 232				R	
MRI 240			R		
MRI 241			M		
MRI 260	R				
MRI 261				R	
MRI 262				R	
MRI 263				M	
PSYC 101				R	
	PLO 4 Provide patient education related to MRI procedures.	PLO 5 Recognize emergency patient conditions and initiate life-saving	PLO 1 Apply knowledge of anatomy, physiology, positioning, and MRI	PLO 2 Participate in MRI quality assurance programs.	PLO 3 Provide care and comfort in regard to the holistic health of the patient,

		first aid and basic life-support procedures.	sequence parameters to accurately demonstrate anatomical structures.		technologist, and others.
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in Applied Science in Neurodiagnostic Technology (EEG)

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
BIOL 214		R			
BIOL 215		R			
CHEM 100				I	
EDUC 120			I		
ENGL 103	M				
HEED 101	I				
MATH 127		I			
NDXT 100		I			
NDXT 101	I				
NDXT 102	R				
NDXT 120			R		
NDXT 130	R				
NDXT 131					R
NDXT 132				I	
NDXT 200			R		
NDXT 201				R	
NDXT 202				R	
NDXT 220			R		
NDXT 221			M		
NDXT 230					M
NDXT 231		R			
NDXT 232		M			
PHIL 210				M	

PSYC 101				R	
SOCI 201			R		
	PLO 5 Provide patient education related to NDT procedures.	PLO 1 Apply knowledge of providing a quality electroencephalogram following guidelines provided by ACNS.	PLO 2 Become a productive, responsible and professional member of society as a skilled member of the healthcare workforce.	PLO 3 Exhibit professionalism, integrity, and high standards in the classroom, laboratory and clinical site, incorporating legal and ethical responsibilities of a Neurodiagnostic Technologist.	PLO 4 Provide care and comfort in regard to the holistic health of the patient, technologist, and others.

Associate in Applied Science in Nursing (LPN to RN)

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
PSYC 101				I	I
BIOL 214					
BIOL 215					
CHEM 100				I	
ENGL 103	I				
MATH 127		I			
NURS 167		R	I	R	R
NURS 178		R		R	R
NURS 186		R		R	R
NURS 187	R	R	R	R	R
NURS 194		R		R	R
NURS 195	R	R	R	R	R
NURS 204		R		R	R
NURS 205	R	R	R	R	R
NURS 208		R		M	R
NURS 209	M	M	M	M	M
NURS 212		R		M	M
NURS 228		R		R	R
NURS 238		R		R	R
NURS 239	R	R	R	R	R
NURS 248		R		M	R
NURS 249	M	M	M	M	M

Associate in Applied Science in Nursing (RN)

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
EDUC 120			I		
PSYC 101				I	
BIOL 214		I			
BIOL 215		I			
CHEM 100				I	
ENGL 103	I				
MATH 127		I			
NURS 160	R	R		R	R
NURS 167	R	R		R	R
NURS 168	R	R	R	R	R
NURS 170	R	R	R	R	R
NURS 178		R		R	R
NURS 186	R	R		R	R
NURS 187	R	R	R	R	R
NURS 194	R	R		R	R
NURS 195	R	R	R	R	R
NURS 204	R	R		R	R
NURS 205	R	R	R	R	R
NURS 208	R	R		R	R
NURS 209	M	M	M	M	M
NURS 212		R		M	M
NURS 228		R		R	R
NURS 238	R	R		R	R

Associate in Applied Science in Robotics

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
CADD 101				I	
EDUC 120			I		
ELEC 118	I				
ELEC 119					M
ELEC 131					I
ELEC 140				R	
ELEC 208	M				
ELEC 212		R			
ELEC 218		R			
ELEC 233		R			
ELEC 234		M			
ENGL 103	R				
INTE 126				R	
INTE 159					R
INTE 227				M	
INTE 229					R
INTE 245			M		
MATH 127		I			
SPEE 102	R				
WELD 159			R		
	PLO 1 Demonstrates an understanding of the fundamentals of networked	PLO 4 Evaluates electrical and/or electronic equipment and be	PLO 3 Exhibits professional demeanor. Completes tasks in timely	PLO 5 Recognizes potential safety and electrical safety issues with an	PLO 2 Demonstrates an understanding of robots and robotic systems, both

	process controls and be able to communicate with multiple generations of equipment	able to install, maintain, and repair said equipment.	manner, understands accountability and responsibility, is punctual, cooperates with peers and supervisors.	understanding of their responsibility to both themselves and others regarding keeping an automated workplace safe.	how to program them and a larger understanding of their impact on manufacturing and society in general.
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Associate in Applied Science in Social Work

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
BIOL 110		R			
EDUC 120			I		
EDUC 215			R		
ENGL 103	R				
ENGL 104	M				
ENST 112					R
MATH 150		I			
PHED 103				I	
PHIL 210				M	
POSC 201			R		
PSYC 101				R	
SOCI 201			R		
SOCI 203			M		
SOCI 240					M
SOWK 100					I
SOWK 120					R
SOWK 200		M			
SPEE 102	I				
	PLO 3 Discuss program and policies with clients utilizing effective interviewing skills, and oral, written, and electronic communication.	PLO 1 Analyze research findings to formulate, and advocate for policies that advance human rights and social, racial,	PLO 4 Evaluate client needs in comparison to current practice, policy, and programs.	PLO 2 Construct a values statement congruent with their views on the advancement social, racial, economic, and	PLO 5 Explain the impact of diversity in the human experience and identity development.

		economic, and environmental justice.		environmental justice.	
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Associate in Applied Science in Sports Management

Course	ILC 1 Communication	ILC 2 Critical Thinking	ILC 3 Engagement	ILC 4 Ethical Responsibility	ILC 5 Global Awareness
BISC 111		R			
BUSI 200			R		
BUSI 220			R		
CHEM 100				I	
ECON 202		R			
EDUC 120			I		
ENGL 103	R				
HUMA 210					M
ISYS 110		I			
MATH 150		I			
PHED 103				I	
PHED 111					R
PHED 210		M			
PHED 215			M		
PHIL 210				M	
PSYC 101				R	
SPEE 102	I				
SPEE 104	M				
	PLO 1 Compare effective communication methods in both oral and written English used in sports business.	PLO 2 Discern the different uses and values of resources in sports management.	PLO 5 Synthesize fundamental marketing concepts.	PLO 3 Assess ethical standards when analyzing the context of problems for making decisions purposes.	PLO 4 Evaluate international sport issues.

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