



**Statewide Articulation Partnership between
Ferris State University
and
Michigan Department of Education
Effective July 1, 2013**

Ferris State University is pleased to be able to provide statewide secondary articulated credit agreements to benefit Michigan high school students. Ferris State is proud to partner with the Michigan Department of Education, Michigan Office of Career and Technical Education, Michigan High Schools and Michigan Career and Technical Education Centers.

Purpose of this Partnership

Secondary articulation agreements are formal agreements between a secondary and postsecondary institution that are designed to assist students in continuing their education after high school. Articulation agreements provide a systematic, seamless transition process from secondary to postsecondary education that maximizes the use of resources and minimizes content duplication.

By streamlining the articulation agreements into a statewide format, Ferris State is able to strengthen its collaboration with career and technical education centers and high schools while maintaining consistency when awarding articulated credit to students.

This partnership recognizes the quality of content and rigor in the Michigan Career and Technical Education programs. Where there is an alignment of secondary CTE programs to Ferris State programs, all Michigan state-approved CTE programs will be covered under this agreement.

Additionally, these statewide agreements may help high school students to reduce their time to a college degree and student debt for college.

These statewide articulation agreements are formal contracts between the Michigan Department of Education and Ferris State University. Agreements were developed based on the secondary state-approved programs that met all of the required technical skills and standards. A list of State-approved programs along with the technical, pathway, foundation and career and employability standards can be found at <http://ctenavigator.org/>.

About the Articulation Creation Process

Ferris State University has evaluated the Michigan Career Technical Education program standards. Members of the corresponding Ferris State faculty have also reviewed these standards and have determined which Ferris State courses are compatible with the secondary program so students may apply for articulated credit as well as the criteria that a student must meet to be granted articulated credit.

As all state-approved programs offered at Michigan's career technical centers and high schools adhere to the same state-wide curriculum and standards, offering statewide agreements allows for greater consistency and academic integrity when granting articulated credit to students.

Ferris State University will award articulated credit to students for the Michigan state-approved secondary programs, provided the students meet the requirements set forth in the Ferris State University statewide articulation agreements. This partnership agreement is valid until one or both parties choose to dissolve the partnership.

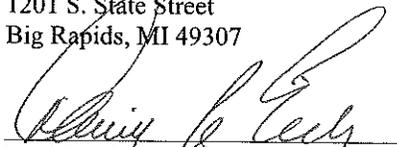
Michigan Department of Education
608 W. Allegan Street
Lansing, MI 48909



Mike Flanagan
Michigan, State Superintendent of Education

4/11/13
Date

Ferris State University
1201 S. State Street
Big Rapids, MI 49307



David Eisler
President, Ferris State University

4/11/13
Date

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

The purpose of this agreement is to facilitate the transition of students from high school and/or Career and Technical Education (CTE) program to Ferris State University. Program is offered at all State-Approved Career and Technical Education Programs in Michigan.

General Conditions & Requirements:

1. Student must apply for Articulated Credit at Ferris State within two years of high school graduation.
2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.
4. To earn credit for HEQT 101, student must pass the FSU articulation assessment with a score of 80% or higher.
5. To earn credit for HEQT 110, student must present ASE Exam T6 Electrical Systems credentials.
6. To earn credit for HEQT 120, student must present ASE Exam T2 Diesel Engines credentials.
7. To earn credit for HEQT 240, student must present ASE Exam T4 Brakes and ASC Exam T6 Suspension and Steering credentials.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Engineering, Manufacturing & Industrial Technology Perkins Approved: True
 Federal Career Cluster (Secondary): Transportation, Distribution & Logistics
 PSN from CTEIS: (Use individual school PSN in MEGS)

STATE-APPROVED SECONDARY PROGRAM	
Medium/Heavy Truck Technician	
CIP Code Number:	47.0613

Aligned/Articulated Programs

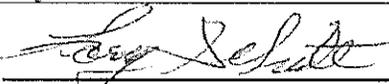
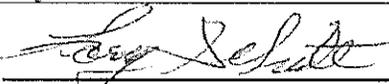
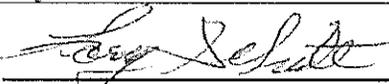
POSTSECONDARY PROGRAM	
Heavy Equipment Technology	
CIP Code Number:	47.0302

LOCAL SECONDARY COURSE	PSN
Medium/Heavy Truck Technician	I-12

Aligned/Articulated with

Postsecondary Course	Course Number	College Credits
HEQT Maintenance Fundamentals	HEQT 101	2
HEQT Electromechanics Fundamentals	HEQT 110	4
HEQT Engine Technology	HEQT 120	4
HEQT Brakes-Suspension Systems	HEQT 240	4
Total PS Credit(s) Possible:		14

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Department of Education	Ferris State University												
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307												
	<table border="1"> <tr> <td></td> <td>4/7/14</td> </tr> <tr> <td>Dan Wanink Program Coordinator</td> <td>Date</td> </tr> <tr> <td></td> <td>4/14/14</td> </tr> <tr> <td>Larry Schmitt, MA Dean</td> <td>Date</td> </tr> <tr> <td></td> <td>4/15/14</td> </tr> <tr> <td>Dr. William Potter Associate Provost for Retention and Student Success</td> <td>Date</td> </tr> </table>		4/7/14	Dan Wanink Program Coordinator	Date		4/14/14	Larry Schmitt, MA Dean	Date		4/15/14	Dr. William Potter Associate Provost for Retention and Student Success	Date
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Larry Schmitt, MA Dean	Date												
	4/15/14												
Dr. William Potter Associate Provost for Retention and Student Success	Date												

For the purposes of students enrolling and receiving articulated credit, this agreement remains effective for two additional years after expiration date to permit student access to agreed upon credits.

FOR OFFICE USE ONLY			
Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016

Articulation Agreement



Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctnavigator.org/>.

Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Heavy Equipment Technology

Secondary Program CIP Code Number: 47.0302

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	U.S. History/Geography		
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts	Career Tech Center-Medium/Heavy Truck Technician HEQT 101- Maintenance Fundamentals (2 credits) HEQT 110-Electronics Fundamentals (4 credits) HEQT 120-Engine Technology (4 credits) HEQT 240-Brakes-Suspension Systems (4 credits)	
World Language	World Language		

Ferris State Degree: Heavy Equipment Technology

State-Approved CTE/Occupation Program Name: Medium/Heavy Truck Technician

State Approved CTE/Occupational Program Postsecondary CIP Code Number: 47.0613

Ferris State University General Education/HEQT (AAS) Courses*

Freshman-Grade 13			Sophomore-Grade 14	
1 st Semester	2 nd Semester	3 rd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	Social Awareness (3 credits)	HEWT 193 (4 credits)	ENGL 211 (3 credits)	Cultural Enrichment (3 credits)
FSUS 100 (1 credit)	PHYS 130 (4 credits)		Scientific Understanding (3 credits)	Social Awareness (3 credits)
COMM 121/105/221/251 (3 credits)	Cultural Enrichment (3 credits)		Cultural Enrichment (3 credits)	HEQT 270 (3 credits)
MATH 115 (3 credits)	HEQT 160 (4 credits)		HEQT 200 (2 credits)	HEQT 271 (4 credits)
Social Awareness (3 credits)	WELD 150 (2 credits)		HEQT 201 (3 credits)	
HEQT 100 (2 credits)			HEQT 210 (3 credits)	

To be completed by Secondary Institution

PSN: _____

* please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

The purpose of this agreement is to facilitate the transition of students from high school and/or Career and Technical Education (CTE) program to Ferris State University. Program is offered at all State-Approved Career and Technical Education Programs in Michigan.

General Conditions & Requirements:

1. Student must apply for Articulated Credit at Ferris State within one year of high school graduation.
2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.
4. To earn credit for AUTO 111, student must present current Michigan B.A.R. or ASE Certifications in Manual Transmissions
5. To earn credit for AUTO 112, student must present current Michigan B.A.R. or ASE Certifications in Brakes.
6. To earn credit for AUTO 114, student must present current Michigan B.A.R. or ASE Certifications in Engine Repair.
7. To earn credit for AUTO 115, student must present current Michigan B.A.R. or ASE Certifications in Steering and Suspension.
8. Automotive program must be NATEF certified and be teaching to the NATEF MAST level in each area that is articulated.
9. School must submit documentation that certification area is being taught at MAST level.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Engineering, Manufacturing & Industrial Technology Perkins Approved: True
 Federal Career Cluster (Secondary): Transportation, Distribution & Logistics
 PSN from CTEIS: (Use individual school PSN in MEGS)

STATE APPROVED SECONDARY PROGRAM NAME
Automotive Technician-Electrical & Brakes
CIP Code Number:

Aligned/Articulated Programs

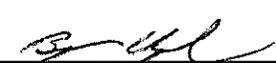
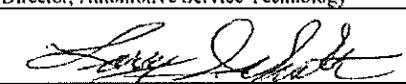
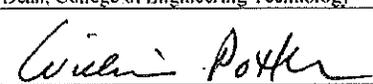
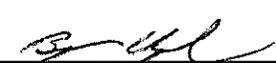
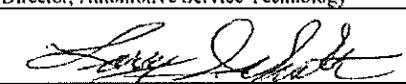
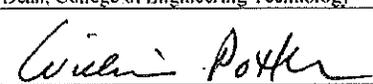
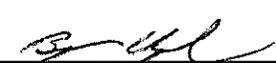
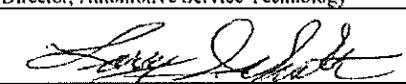
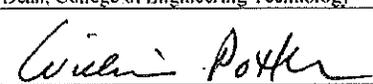
POSTSECONDARY PROGRAM NAME
Automotive Service Technology
CIP Code Number: 470604

LOCAL SECONDARY COURSE	SEMESTER
Automotive Technician-Electrical & Brakes	1-12

Aligned/Articulated with

Postsecondary Courses	Course Number	College Credits
Manual Transmission-Drivelines	AUTO 111	4
Automotive Brake Systems	AUTO 112	4
Automotive Engines	AUTO 114	4
Suspension-Steering-Alignment Service	AUTO 115	4
Total PS Credit(s) Possible:		12

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Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307												
	<table border="1"> <tr> <td></td> <td>6-24-2014</td> </tr> <tr> <td>Ben Upham Director, Automotive Service Technology</td> <td>Date</td> </tr> <tr> <td></td> <td>6/25/14</td> </tr> <tr> <td>Larry Schult Dean, College of Engineering Technology</td> <td>Date</td> </tr> <tr> <td></td> <td>7/2/14</td> </tr> <tr> <td>Dr. William Potter Associate Provost for Retention and Student Success</td> <td>Date</td> </tr> </table>		6-24-2014	Ben Upham Director, Automotive Service Technology	Date		6/25/14	Larry Schult Dean, College of Engineering Technology	Date		7/2/14	Dr. William Potter Associate Provost for Retention and Student Success	Date
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Dr. William Potter Associate Provost for Retention and Student Success	Date												

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Articulation Agreement

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Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016
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Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Automotive Technician-Electrical & Brakes

Secondary Program CIP Code Number: 47.0604

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	U.S. History/Geography		
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts	Career Tech Center-Automotive Technician-Electrical & Brakes AUTO 111-Manual Transmission-Drivelines (4 credits) AUTO 112-Automotive Brake Systems (4 credits) AUTO 114-Automotive Engines (4 credits) AUTO 115-Suspension-Steering-Alignment Service (4 credits)	
World Language	World Language		

Ferris State Degree: Automotive Service Technology

State-Approved CTE/Occupation Program Name: Automotive Technician-Electrical & Brakes State Approved

CTE/Occupational Program Postsecondary CIP Code Number: 47.0604

Ferris State University General Education/AUTO Courses*

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	PHSY 130 (4 credits) OR PHYS 211 (4 credits)	ENGL 250 (3 credits)	AUTO 213 (4 credits)
FSUS 100 (1 credit)	Social Awareness (3 credits)	AUTO 200 (6 credits)	AUTO 211 (4 credits)
COMM 121 (3 credits)	AUTO 117 (4 credits)	AUTO 213 (4 credits)	AUTO 250 (6 credits)
Cultural Enrichment (3 credits)			
MATH 115 (3 credits)			

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
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2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary):	Engineering, Manufacturing & Industrial Technology	Perkins Approved: No
Federal Career Cluster (Secondary):	Science, Technology, Engineering and Mathematics	
PSN from CTEIS:	(Use individual school PSN in MEGS)	

STATE APPROVED SECONDARY PROGRAMS
Engineering, General
CID Code Number

Aligned/Articulated Programs

PERKINS APPROVED PROGRAMS
Manufacturing Engineering Technology

Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Engineering, General

Secondary Program CIP Code Number: 15.0000

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	U.S. History/Geography		
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts	Career Tech Center-Engineering, General ETEC 140-Engineering Graphics Comprehensive (3 credits)	
World Language	World Language		

Ferris State Degree: Manufacturing Technology

State-Approved CTE/Occupation Program Name: Engineering, General

State Approved CTE/Occupational Program Postsecondary CIP Code Number: 48.0507

Ferris State University General Education/MFGT Courses*

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	MATH 120 (3 credits)	ENGL 250 or ENGL 211 (3 credits)	Social Awareness (3 credits)
FSUS 100 (1 credit)	MATH 130 (4 credits)	PDET 122 (2 credits)	MFGT Concentration Courses (14-28 credit hours)
COMM 121 (3 credits)	CHEM 114 or PHYS 211 (4 credits)	MFGT 140 (2 credits)	
Cultural Enrichment (3 credits)	MFGT 113 (1 credit)	MFGT 141 (1 credit)	
MATH 115 (3 credits)	MFGT 114 (2 credits)	MFGT 220 (2 credits)	
MFGT 110 (3 credits)	MFGT 160 (1 credit)	MFGT 222 (1 credit)	

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
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All State-Approved Career and Technical Education Programs in Michigan

The purpose of this agreement is to facilitate the transition of students from high school or other career or technical education (CTE) programs to Ferris State University. Program is offered at all State-Approved Career and Technical Education Programs in Michigan.

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2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.
4. Student must be recommended by career tech program's welding instructor.
5. Secondary instructor must sign-off on student's ability to complete skills from WELD 113.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Engineering, Manufacturing, and Industry Perkins Approved: Yes
 Federal Career Cluster (Secondary): Manufacturing
 PSN from CTEIS: (Use individual school PSN in MEGS)

STATE	ADDRESS	SECONDARY PROGRAM NAME
		Welding, Brazing and Soldering
CIP Code Number:	48.058	

Aligned/Articulated Programs

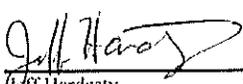
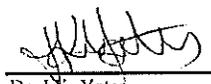
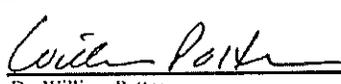
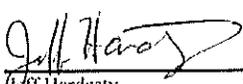
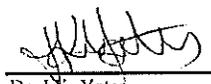
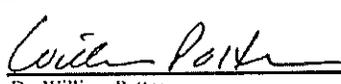
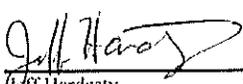
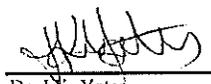
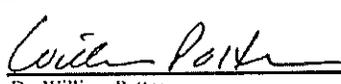
POSTSECONDARY PROGRAM NAME
Welding Technology
CIP Code Number: 48.0508

LOCAL SECONDARY COURSE	SEQUENCE
Welding, Brazing and Soldering	1-12

Aligned/Articulated with

Postsecondary Course	Course Number	College Credits
Welding Processes Lab	WELD 113	4
Total PS Credit(s) Possible:		4

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Dr. J.K. Yates Dean, College of Engineering Technology	Date												
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Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Welding, Brazing and Soldering

Secondary Program CIP Code Number: 48.0508

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester			
English Language Arts 9	English Language Arts 10	English Language Arts 11	English Language Arts 12
Algebra I	Algebra II	Geometry	4 th Year Science
Biology	Physics or Chemistry	Biology	4 th Year Math
World History & Geography	U.S. History & Geography	Civics/Economics	
Physical Education	Visual, Performing & Applied Arts	Career Technical Center- WELD 113 (4 credits)	
Elective	Foreign Language		
Elective	Elective		

Ferris State Degree: Welding Technology

State-Approved CTE/Occupation Program Name: Welding, Brazing and Soldering

State Approved CTE/Occupational Program Postsecondary CIP Code Numbers: 480508

Ferris State University Welding Technology (AAS) Program Courses*

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	Social Awareness (3 credits)	ENGL 250 (3 credits)	WELD 212 (4 credits)
MATH 116 (4 credits)	EEET 201 (3 credits)	WELD 121 (3 credits)	WELD 221 (4 credits)
Cultural Enrichment (3 credits)	MATL 240 (4 credits)		WELD 222 (3 credits)
PHYS 211 (4 credits)	WELD 111 (3 credits)	WELD 123 (4 credits)	
MFTG 150 (2 credits)	WELD 112 (3 credits)	WELD 211 (5 credits)	
FSUS 100 (1 credit)			

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.

**Ferris State University
College of Engineering Technology
Welding Program Office**

Memo

To: Welding Instructor
From: Jeffrey Hardesty, Program Coordinator, Ferris State Welding Programs
Date: 6/5/2014
Re: WELD 113 – Welding Processes I (Lab) Project Details and Expectations for Articulation Applicants

Enclosed please find the "WELD 113 Project Summary – Fall 2011" document. This is intended to serve as a guideline to yourself and any student who may be interested in the articulation of secondary welding courses in to post-secondary credit from your institution to Ferris State University.

Please note that the expectation we have as faculty in the Department of Welding Engineering Technology is that the welding instructor will confirm the ability of any articulation applicant to demonstrate the following pertaining to the WELD 113 projects:

- ability to interpret drawings for the described projects
- perform proper material preparation methods
- determine welding parameters to successfully complete the projects
- set up and proper operation of welding equipment
- demonstrate ability to complete welds to industry standards (i.e.: AWS D1.1 – Structural Welding Code-Steel)
- perform visual inspection of completed welds

If I can be of further assistance, please do not hesitate to contact me at (231) 591-3496 or via email at hardesj@ferris.edu

Ferris State
Welding Technology AAS Degree
WELD 113 - Welding Processes I
Laboratory Projects

Proj #	Process(es)	Weld Joint	Position	Consumable(s)	Base Metal Dimensions	Material	Notes:
1	SMAW	Tee	1F	1/8" and 5/32" E6010/E6011	1/4"x6"	HRS	Multiple pass welds demonstrating proper arc initiation and termination to deposit a 1" fillet weld with a convex face. Final weld passes must demonstrate arc start and stop midweld
		Tee	2F	1/8" E6013			
		Tee	2F	1/8" and 5/32" E7018			
		Tee	1F	1/8" and 5/32" E7024			
2	SMAW	Tee	3F up	1/8" and 5/32" E6010/E6011	1/4"x6"	HRS	Multiple pass welds demonstrating proper arc initiation and termination to deposit a 1" fillet weld with a convex face. Final weld passes must demonstrate arc start and stop midweld
		Tee	3F down	1/8" E6010/E6011			
		Tee	3F up	1/8" and 5/32" E7018			
		Tee	3F down	1/8" E6013			
3	SMAW	Tee	4F	1/8" E6011	1/4"x6"	HRS	Multiple pass welds demonstrating proper arc initiation and termination to deposit a 1" fillet weld with a convex face. Final weld passes must demonstrate arc start and stop midweld
		Tee	4F	1/8" and 5/32" E7018			
		Tee	4F	5/32" E6010			
		Tee	4F	1/8" E6013			
4	SMAW	Open Butt	1G	1/8" E6010	3/8"x6"	HRS	Demonstrate weld joint preparation, root pass deposit, hot/fill pass deposit(s), weave cap. Root pass reinforcement not to exceed 1/16" and face reinforcement not to exceed 1/8"
		Open Butt	2G	1/8" E6010 1/8" E7018 Cap			
		Open Butt	3G down	1/8" E6010			
		Open Butt	3G up	1/8" E6010 1/8" E7018 Cap			
5	SMAW	Tee	2F	1/8" E7018	1/4"x12"	HRS	1/4" fillet weld one side, 3/8" multiple-pass fillet weld on the other
		Lap	2F	1/8" E6010			1/4" fillet weld both sides with one side using an intermittent weld pattern of 2-3. Fully welded side must have a stop and start in the middle.
		Tee	2F	5/32" E6010			1/4" fillet weld one side, 3/8" multiple-pass fillet weld on the other
		Lap	2F	1/8" E7018			1/4" fillet weld both sides with one side using an intermittent weld pattern of 2-3. Fully welded side must have a stop and start in the middle.
6	SMAW	Tee	3F	1/8" E6010	1/4"x12"	HRS	1/4" fillet weld one side, 3/8" multiple-pass fillet weld on the other
		Tee	3F	1/8" E7018			1/4" fillet weld one side, 3/8" multiple-pass fillet weld on the other
		Lap	3F	1/8" E7018			1/4" fillet weld both sides with one side using an intermittent weld pattern of 2-3. Fully welded side must have a stop and start in the middle.
		Outside Corner	3G	1/8" E6010 Root & Hot; 1/8" E7018 Cap			Weld must be performed with vertical up progression. E6010 Root and Hot Pass. E7018 weave cap.
7	SMAW	Lap	2F	1/8" 7024	1/4"x12"	HRS	1/4" fillet weld both sides with one side using an intermittent weld pattern of 2-3. Fully welded side must have a stop and start in the middle.
		Tee	2F	1/8" 7024			1/4" fillet weld one side, 3/8" multiple-pass fillet weld on the other
		Tee	2F	5/32" 7024			5/16" fillet weld both sides with one side using an intermittent weld pattern of 2-3. Fully welded side must have a stop and start in the middle.

Ferris State
Welding Technology AAS Degree
WELD 113 - Welding Processes I
Laboratory Projects

		Tee	2F	3/16" 7024			5/16" fillet both sides. Must demonstrate start and stop in center of weld.	
8	SMAW	Tee	2F	1/8" E308L-15	1/4"x6"	HRS or SS	1/4" fillet weld both sides - 90 Amps	
		Tee	2F	1/8" E308L-16			1/4" fillet weld both sides	
		Tee	2F	1/8" E308L-17			1/4" fillet weld both sides	
		Tee	3F	1/8" E308L-XX			1/4" fillet weld both sides. Vertical up progression	
9	SMAW	Tee	4F	E7018	1/4" x 6"	HRS	1/4" fillet weld one side, 3/8" multiple-pass fillet weld on the other	
		Lap	4F	1/8" E6010 1/8" E7018			1/4" fillet weld both sides	
		Outside Corner	4G	1/8" E6010 1/8" E7018			E6010 Root and Hot Pass. E7108 weave cap.	
		Tee	4F	E6010			1/4" fillet weld one side, 3/8" multiple-pass fillet weld on the other	
10	SMAW	Tee	1F/2F	1/8" 6013 or 7014	1/8"x12"	HRS	1F on one side; 2F on the other	
		Lap	2F/3F	1/8" 6013 or 7014			2F on one side; 3F vertical down on the other	
		Outside Corner	3G	1/8" 6013 or 7014			3G Vertical down	
11	OAW	Outside Corner	1G	AUTOGENOUS	<.100"x6"	HRS		
		Tee	2F	RG80				
		Edge	1G	AUTOGENOUS				
		Lap	2F/3F	RG80				
		Butt	1G	RG80				
12	OFC	N/A	N/A	N/A	1/4" AND 1/2"	HRS	Demonstrate consistent square cutting on 1/4" and 1/2" HRMS material measuring greater than 8" long	
		N/A	N/A	N/A	Variable		Make three proficient cuts using both the automatic and manual OF pipe beveling equipment	
		N/A	N/A	N/A	Variable		Make a square cut on a piece of structural steel (I-Beam, Channel, Tubing, etc.) Must be inspected and then rewelded using the SMAW process as instructed.	
	CAC-A	N/A	N/A	N/A	Variable	Flat plate gouging; Removal of fillet weld from tee or lap joint.		
13	TB	Butt	1G	RBCUZn-C	3/8"	HRS	Braze weld Single V Butt, 60 deg. Included angle	
		Lap	2F	RBCUZn-C	1/8"		Braze weld both sides	
		Tee	2F	RBCUZn-C	1/8"		Braze weld both sides	
		Tee	3F	RBCUZn-C	1/8"		Braze weld both sides	
14	TB	Butt	1G	RBCUZn	Variable	Cast Iron	Simulation of crack repair - 800dF	
	SMAW	Butt	1G	99Ni; Est; 55Ni			400-500dF	
	OFW	Butt	1G	Cast Iron				
15	TB	Tee	2F	125 Silver Braze / S-200 Flux	Variable	Copper/ Stainless	Silver Braze Copper Tube to Stainless Sheet	
	TS	Tee	2F	Dynagrip 430 / Duzall Flux	1/16"		CRS	Solder two pieces of carbon steel sheet
	TS	Lap	2F	Aquasafe 100 / Aquasafe Flux	1/2" Copper Pipe		Copper	Solder a coupler to copper pipe
16	GMAW	Tee	1F/2F	ER70S-X/Ar-CO2	1/8" x 12"	HRS	3/16" fillet weld both sides	
		Lap	1F/2F	ER70S-X/Ar-CO2	1/8" x 12"		3/16" fillet weld both sides	
		Outside Corner	3G	ER70S-X/Ar-CO2	1/8" x 12"		Vertical down progression	
		Lap	3F	ER70S-X/Ar-CO2	1/4" x 12"		Vertical up progression one side, Vertical down progression on other side	
17	SMAW	Tee	5F	1/8" E7018	1/4" Plate 6" dia. pipe	HRS	Weld pipe to plate with vertical up progression. Demonstrate proper three pass fillet weld technique	
	SMAW	Tee	5F	1/8" E6010			Weld pipe to plate with vertical up progression. Demonstrate proper three pass fillet weld technique	
	GMAW	Tee	2F	ER70S-X/Ar-CO2			Weld pipe to plate. Demonstrate proper three pass fillet weld technique	
18	SMAW	Open Butt	1G	E6010	3/8"	HRS	Complete test plate per AWS D1.1; Prepare root, face and tensile specimens; Prepare AWS D1.1 PQR documentation. Welding procedure developed by student.	
19	SMAW	Open Butt	3G	E6010 R/H/F E7018 Cap	3/8"	HRS	Complete test plate per AWS D1.1; Prepare root, face and tensile specimens; Prepare AWS D1.1 PQR documentation. Welding procedure developed by student.	

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

The purpose of this agreement is to facilitate the transition of students from high school and/or Career and Technical Education (CTE) program to Ferris State University. Program is offered at all State-Approved Career and Technical Education Programs in Michigan.

General Conditions & Requirements:

1. Student must apply for Articulated Credit at Ferris State within two years of high school graduation.
2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.
4. To earn credit for MFGT 113, the student must submit a project portfolio and receive sign-off from FSU faculty.
5. To earn credit for MFGT 114, the student must submit a project portfolio and receive sign-off from FSU faculty.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Engineering, Manufacturing & Industrial Technology
Perkins Approved: True
Federal Career Cluster (Secondary): Manufacturing
PSN from CTEIS: (Use individual school PSN in MEGS)

STATE-APPROVED SECONDARY PROGRAM NAME	
Machine Tool Operation/Machine Shop	
CIP Code Number:	48.0501

Aligned/Articulated Programs

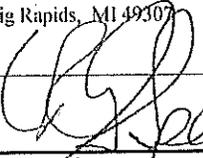
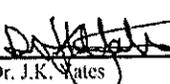
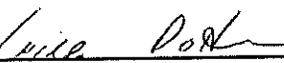
POSTSECONDARY PROGRAM NAME	
Manufacturing Technology	
CIP Code Number:	48.0507

POSTSECONDARY COURSE	SIGNATURE
Machine Tool Operation/Machine Shop	I-12

Aligned/Articulated with

Postsecondary Course	Course Number	College Credits
Overview of Prod Machined Comp	MFGT 113	1
Prod Machined Comp	MFGT 114	2
Total PS Credit(s) Possible:		3

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Career and Technical Education	Postsecondary School Information	
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307	
	 Jim Rumpf Program Coordinator	5/31/13 Date
	 Dr. J.K. Yates Dean	6/10/13 Date
	 Dr. William Potter Associate Provost for Retention and Student Success	6/12/13 Date

For the purposes of students enrolling and receiving articulated credit, this agreement remains effective for two additional years after expiration date to permit student access to agreed upon credits.

FOR OFFICE USE ONLY			
Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016

Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctenavigator.org/>.

Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Machine Tool Operation/Machine Shop

Secondary Program CIP Code Number: 48.0501

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	U.S. History/Geography		
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts	Career Tech Center-Machine Tool Operation/Machine Shop MFGT 113-Overview of Prod Machined Comp (1 credit) MFGT 114-Prod Machined Comp (2 credits)	
World Language	World Language		

Ferris State Degree: Manufacturing Technology

State-Approved CTE/Occupation Program Name: Machine Tool Operation/Machine Shop

State Approved CTE/Occupational Program Postsecondary CIP Code Number: 48.0507

Ferris State University General Education/MFGT Courses*

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	MATH 120 (3 credits)	ENGL 250 or ENGL 211 (3 credits)	Social Awareness (3 credits)
FSUS 100 (1 credit)	MATH 130 (4 credits)		MFGT Concentration Courses (14-28 credit hours)
COMM 121 (3 credits)	CHEM 114 or PHYS 211 (4 credits)	MFGT 140 (2 credits)	
Cultural Enrichment (3 credits)		MFGT 141 (1 credit)	
MATH 115 (3 credits)	MFGT 160 (1 credit)	MFGT 220 (2 credits)	
MFGT 110 (3 credits)	PDET 122 (2 credits)	MFGT 222 (1 credit)	
	MFGE 113 (2 credits)		

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

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3. Student must complete secondary career technical education course competencies with a "B" or better final grade.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary):
Federal Career Cluster (Secondary):
PSN from CTEIS:

Human Services
Law, Public Safety, Corrections & Security
(Use individual school PSN in MEGIS)

Perkins Approved: Yes

STATE-APPROVED SECONDARY PROGRAM NAME	
Law, Public Safety, & Security	
CIP Code Number:	43.0100

Aligned/Articulated Programs

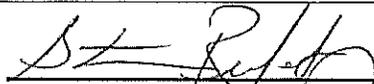
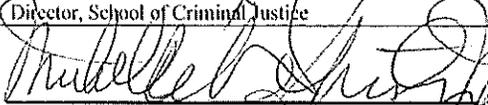
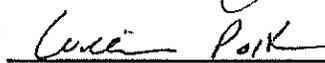
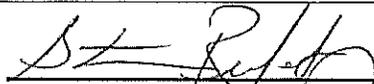
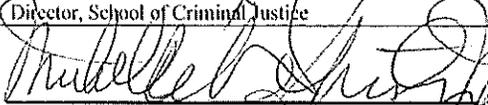
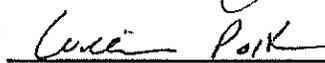
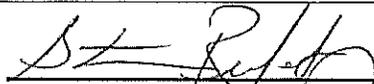
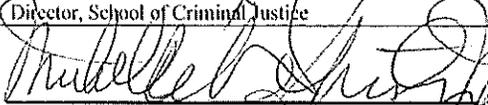
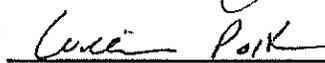
POSTSECONDARY PROGRAM NAME	
Pre-Criminal Justice	
CIP Code Number:	430107

LOCAL SECONDARY COURSE	SEGMENT
Law, Public Safety, & Security	I-12

Aligned/Articulated with

Postsecondary Course	Course Number	College Credits
Introduction to Criminal Justice	CRIM 110	3
Total PS Credit(s) Possible:		3

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

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Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307												
	<table border="1"> <tr> <td></td> <td>March 21, 2013</td> </tr> <tr> <td>Dr. Steve Reifert Director, School of Criminal Justice</td> <td>Date</td> </tr> <tr> <td></td> <td>March 21, 2013</td> </tr> <tr> <td>Dr. Michelle Johnston Dean, College of Education and Human Services</td> <td>Date</td> </tr> <tr> <td></td> <td>4/1/13</td> </tr> <tr> <td>Dr. William Potter Associate Provost for Retention and Student Success</td> <td>Date</td> </tr> </table>		March 21, 2013	Dr. Steve Reifert Director, School of Criminal Justice	Date		March 21, 2013	Dr. Michelle Johnston Dean, College of Education and Human Services	Date		4/1/13	Dr. William Potter Associate Provost for Retention and Student Success	Date
	March 21, 2013												
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	4/1/13												
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Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Law, Public Safety & Security

Secondary Program CIP Code Number: 43.0100

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	U.S. History/Geography		
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts	Career Tech Center-Law, Public Safety & Security CRIM 110-Introduction to Criminal Justice (3 credits)	
World Language	World Language		

Ferris State Degree: Pre-Criminal Justice (AA)

State-Approved CTE/Occupation Program Name: Law, Public Safety & Security

State Approved CTE/Occupational Program Postsecondary CIP Code Number: 430107

Ferris State University General Education/TDMP Courses

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	SOCY 121 (3 credits)	ENGL 250 (3 credits)	LITR 286 (3 credits)
COMM 105/121/221/251 (3 credits)	Science (3-4 credits)	ACCT 201/BLAW 221/BUSN 122 (3 credits)	General Elective (3 credits)
CRIM 11 (3 credits)	CRIM 220 (3 credits)	SOCY elective (3 credits)	Cultural Enrichment (3 credits)
MATH 115 (3 credits)	CRIM 260 (3 credits)	ISYS 105/ISYS 202/ISYS 204 (3 credits)	General Elective (3 credits)
PSYCH 150 (3 credits)	RMLS (2 credits)	Cultural Enrichment (3 credits)	
FSUS 100 (1 credit)			

*please consult the Ferris State University course catalog at www.ferris.edu, for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
AND
All State-Approved Career and Technical Education Programs in Michigan

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3. Student must complete secondary career technical education course competencies with a "B" or better final grade.
4. To earn credit for ISYS 105, student must successfully complete the articulation assessment.
5. To earn credit for ISYS 307, student must submit current MCAA or MCSE on Server 2003.
6. To earn credit for ISYS 310, student must submit current CAN or CNE Certification (6.0 version).
7. To earn credit for ISYS 325, student must submit current NET+ Certification.
8. To earn credit for ISYS 216, student must submit current certification for Sun Certified Programmer for Java 2 Platform 1.4.
9. To earn credit for ISYS 316, student must submit current certification for Sun Certified Programmer for Java 2 Platform 1.2.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Business, Management, Marketing & Technology
Perkins Approved: No
Federal Career Cluster (Secondary): Information Technology
PSN from CTEIS: (Use individual school PSN in MEGS)

Michigan Career Pathway (Secondary)	
Digital/Multimedia & Information Resource Design	
CIP Code Number:	11.0801

Aligned/Articulated Programs

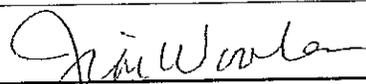
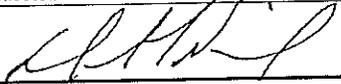
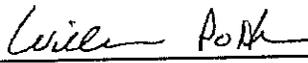
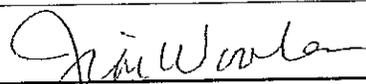
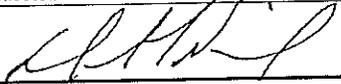
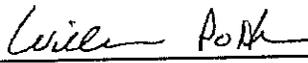
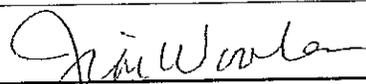
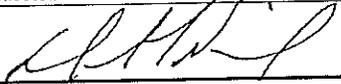
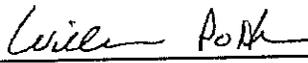
Computer Information Systems	
CIP Code Number:	11.0103

Course Title	Credits
Digital/Multimedia & Information Resource Design	1-12

Aligned/Articulated with

Postsecondary Course	Course Number	College Credits
Intro to Micros Systems-Software	ISYS 105	3
MS Network Administration	ISYS 307	3
Novell Network Administration	ISYS 310	3
Network Essentials	ISYS 325	3
Intro to Java Programming	ISYS 216	3
Advanced Java Programming	ISYS 316	3
Total PS Credit(s) Possible:		18

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307												
	<table border="1"> <tr> <td></td> <td>8/13/14</td> </tr> <tr> <td>Dr. Jim Woolen Department Head</td> <td>Date</td> </tr> <tr> <td></td> <td>8/19/14</td> </tr> <tr> <td>Dr. David Nicol Dean</td> <td>Date</td> </tr> <tr> <td></td> <td>8/21/14</td> </tr> <tr> <td>Dr. William Potter Associate Provost for Retention and Student Success</td> <td>Date</td> </tr> </table>		8/13/14	Dr. Jim Woolen Department Head	Date		8/19/14	Dr. David Nicol Dean	Date		8/21/14	Dr. William Potter Associate Provost for Retention and Student Success	Date
	8/13/14												
Dr. Jim Woolen Department Head	Date												
	8/19/14												
Dr. David Nicol Dean	Date												
	8/21/14												
Dr. William Potter Associate Provost for Retention and Student Success	Date												

Articulation Agreement

For the purposes of students enrolling and receiving articulated credit, this agreement remains effective for two additional years after expiration date to permit student access to agreed upon credits.

FOR OFFICE USE ONLY

Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016
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- Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctenavigator.org/>.

Articulation Agreement

Ferris State University
AND
All State-Approved Career and Technical Education Programs in Michigan

The purpose of this agreement is to facilitate the transition of students from high school and/or Career and Technical Education (CTE) program to Ferris State University. Program is offered at all State-Approved Career and Technical Education Programs in Michigan.

General Conditions & Requirements:

1. Student must apply for Articulated Credit at Ferris State within two years of high school graduation.
2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.
4. To earn credit for ISYS 105, student must successfully complete the articulation assessment.
5. To earn credit for ISYS 307, student must submit current MCAA or MCSE on Server 2003.
6. To earn credit for ISYS 310, student must submit current CAN or CNE Certification (6.0 version).
7. To earn credit for ISYS 325, student must submit current NET+ Certification.
8. To earn credit for ISYS 216, student must submit current certification for Sun Certified Programmer for Java 2 Platform 1.4.
9. To earn credit for ISYS 316, student must submit current certification for Sun Certified Programmer for Java 2 Platform 1.2.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Business, Management, Marketing & Technology Perkins Approved: No
 Federal Career Cluster (Secondary): Information Technology
 PSN from CTEIS: (Use individual school PSN in MEGS)

STATE-APPROVED SECONDARY PROGRAM NAME	
Computer Programming/Computer Programmer	
CIP Code Number:	11.0201

Aligned/Articulated Programs

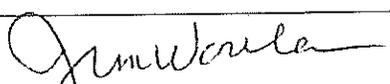
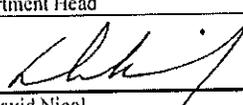
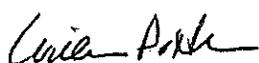
POSTSECONDARY PROGRAM NAME	
Computer Information Systems	
CIP Code Number:	11.0103

LOCAL SECONDARY COURSE	SEMESTER
Computer Programming/Computer Programmer	1-12

Aligned/Articulated with

Postsecondary Courses	Course Number	College Credits
Intro to Micros Systems-Software	ISYS 105	3
MS Network Administration	ISYS 307	3
Novell Network Administration	ISYS 310	3
Network Essentials	ISYS 325	3
Intro to Java Programming	ISYS 216	3
Advanced Java Programming	ISYS 316	3
Total PS Credit(s) Possible:		18

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Career and Technical Education	Postsecondary School Information	
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307	
	 Dr. Jim Woolen Department Head	8/13/14 Date
	 Dr. David Nicol Dean	8/19/14 Date
	 Dr. William Potter Associate Provost for Retention and Student Success	8/21/14 Date

Articulation Agreement

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Articulation Agreement

Ferris State University
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All State-Approved Career and Technical Education Programs in Michigan

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1. Student must apply for Articulated Credit at Ferris State within two years of high school graduation.
2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.
4. Student must submit a copy of the State Board Certificate with a passing grade.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Human Services
 Federal Career Cluster (Secondary): Human Services
 PSN from CTEIS: (Use individual school PSN in MEGS)

Perkins Approved: No

Michigan Career Pathway (Secondary)	
Cosmetology	
CIP Code Number:	12.0400

Aligned/Articulated Programs

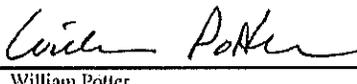
Perkins Approved: No	
General Business	
CIP Code Number:	520201

Michigan Career Pathway (Secondary)	State Board
Cosmetology	1-12

Aligned/Articulated with

Postsecondary Course	Course Number	College Credits
12 Credits of free and directed electives		12
Total PS Credit(s) Possible:		12

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Career and Technical Education	Ferris State University
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307
	 Dr. David Steenstra Management Department Head Date: 3-20-13
	 Dr. David Nicol Dean, College of Business Date: 3/21/13
	 Dr. William Potter Associate Provost for Retention and Student Success Date: 3/25/13

For the purposes of students enrolling and receiving articulated credit, this agreement remains effective for two additional years after expiration date to permit student access to agreed upon credits.

FOR OFFICE USE ONLY			
Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016

Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctenavigator.org/>.

Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Cosmetology

Secondary Program CIP Code Number: 12.0400

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	World History/Geography	Career Tech Center-Cosmetology 12 credits of free and directed electives	
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts		
World Language	World Language		

Ferris State Degree: General Business (AAS)

State-Approved CTE/Occupation Program Name: Cosmetology

State Approved CTE/Occupational Program Postsecondary CIP Code Numbers: 520201

Ferris State University General Business AAS Program Courses*

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	ENGL 250 (3 credits)	ECON 222 (3 credits)	STQM 260 (3 credits)
MATH 115 (3 credits)	ECON 221 (3 credits)	Cultural Enrichment (3 credits)	Business Elective
COMM 121 (3 credits)	ACCT 201 (3 credits)	ACCT 202 (3 credits)	Business Elective
BUSN 122 (3 credits)	MGMT 301 (3 credits)	ISYS 200 (3 credits)	Business Elective
FSUS 100 (1 credit)	ISYS 105 (3 credits)	MKTG 321 (3 credits)	Business Elective

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

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General Conditions & Requirements:

1. Student must apply for Articulated Credit at Ferris State within two years of high school graduation.
2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.
4. The student must complete one of the following NOCTI Job Ready Assessment Blueprints: Culinary Arts I: Prep Cook or Culinary Arts II: Cook or Hospitality Mgmt-Food & Beverage Option and receive a 75% or higher
OR the student may complete the American Culinary Arts Federation (ACF) Secondary Accreditation test available only to ACF accredited schools.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Business, Management, Marketing, and Technology **Perkins Approved: Yes**
Federal Career Cluster (Secondary): Hospitality and Tourism
PSN from CTEIS: (Use individual school PSN in MEGS)

STATE-APPROVED SECONDARY PROGRAM NAME	
Personal and Culinary Service including Travel/Tourism Management	
CIP Code Number:	12.9999

Aligned/Articulated Programs

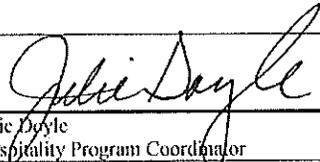
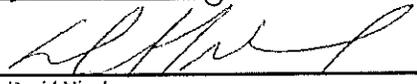
POSTSECONDARY PROGRAM NAME	
Hospitality	
CIP Code Number:	120504

LOCAL SECONDARY COURSE	SEGMENT
Personal and Culinary Service including Travel/Tourism Management	1-12

Aligned/Articulated with

Postsecondary Course	Course Number	College Credits
Sanitation and Safety	RFIM 113	3
Menu Planning-Nutrition	RFIM 114	3
Food-Labor Cost Control System	RFIM 115	3
Principles of Cooking-Baking	RFIM 127	3
Food-Bev Operation in Clubs	RFIM 204	3
Purchasing-Hospitality Ind	RFIM 211	3
Dining Room Service Mgmt	RFIM 229	3
Total PS Credit(s) Possible:		up to 9 credits

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Career and Technical Education	Postsecondary School Information
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307
	 Julie Doyle Hospitality Program Coordinator Date: 4.02.13
	 Dr. David Nicol Dean Date: 4/4/13
	 Dr. William Potter Associate Provost for Retention and Student Success Date: 4/17/13

Articulation Agreement

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FOR OFFICE USE ONLY			
Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016

- Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctenavigator.org/>.

Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Personal and Culinary Service including Travel/Tourism Management

Secondary Program CIP Code Number: 12.999

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	U.S. History/Geography		
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts	Career Tech Center-Personal and Culinary Service including Travel/Tourism Management* RFIM 113-Sanitation and Safety (3 credits) RFIM 114-Menu Planning-Nutrition (3 credits) RFIM 115-Food-Labor Cost Control System (3 credits) RFIM 127-Principles of Cooking-Baking (3 credits) RFIM 204 Food-Bev Operation in Clubs (3 credits) RFIM 211-Purchasing-Hospitality Ind (3 credits) RFIM 229-Dining Room Service Mgmt (3 credits) *students may earn up to 9 articulated credits	
World Language	World Language		

Ferris State Degree: Restaurant and Food Industry Management (Hospitality)

State-Approved CTE/Occupation Program Name: Personal and Culinary Service including Travel/Tourism Management

State Approved CTE/Occupational Program Postsecondary CIP Code Number: 120504

Ferris State University General Education/TDMP Courses

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	Scientific Understanding (3 credits)	ENGL 250 (3 credits)	MGMT 373 (3 credits)
Lab Science Elective (4 credits)	COMM 121/105 (3 credits)	MGMT 301 (3 credits)	RFIM 227 (3 credits)
MATH 115 (3 credits)	ECON 221 (3 credits)	RFIM 115 (3 credits)	RFIM 292 (3 credits)
Cultural Enrichment (3 credits)	ACCT 201 (3 credits)	RFIM 207 (3 credits)	RFIM Elective (3 credits)
RFIM 101 (1 credit)	RFIM 113 (3 credits)	RFIM 211 (3 credits)	
FSUS 100 (1 credit)	RFIM Elective (3 credits)	RFIM Elective (3 credits)	

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

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3. Student must complete secondary career technical education course competencies with a "B" or better final grade.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Health Sciences
 Federal Career Cluster (Secondary): Health Science
 PSN from CTEIS: (Use individual school PSN in MEGS)

Perkins Approved: No

STATE-APPROVED SECONDARY PROGRAM NAME	
Health/Therapeutic Services	
CIP Code Number:	51.0000

Aligned/
Articulated
Programs

POSTSECONDARY PROGRAM NAME	
College of Health Professions Programs	
CIP Code Number:	519999,510602,510910,510602,510910,511004,511005,513801,510908,510907,510908

LOCAL SECONDARY COURSE	SERIES
Health/Therapeutic Services	1-12

Aligned/
Articulated
with

POSTSECONDARY COURSE	COURSE NUMBER	COLLEGE CREDITS
Safety Issues-Health Care	CCHS 102	1
Orientation to Medical Vocabulary	MRIS 102	1
Total PS Credit(s) Possible:		2

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Michigan Career and Technical Education	Postsecondary School Institution																
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307																
	<table border="1"> <tr> <td><i>Theresa A. Raglin</i></td> <td>3/20/13</td> </tr> <tr> <td>Theresa Raglin Academic Department Head-Dental Hygiene and Medical Imaging</td> <td>Date</td> </tr> <tr> <td><i>Greg Zimmerman</i></td> <td>3/20/13</td> </tr> <tr> <td>Greg Zimmerman Academic Department Head-Clinical Science, Respiratory Care, and Health Care System Administration</td> <td>Date</td> </tr> <tr> <td><i>Dr. Matthew Adeyanju</i></td> <td>3/20/13</td> </tr> <tr> <td>Dr. Matthew Adeyanju Dean, College of Health Professions</td> <td>Date</td> </tr> <tr> <td><i>William Potter</i></td> <td>4/1/13</td> </tr> <tr> <td>Dr. William Potter Associate Provost for Retention and Student Success</td> <td>Date</td> </tr> </table>	<i>Theresa A. Raglin</i>	3/20/13	Theresa Raglin Academic Department Head-Dental Hygiene and Medical Imaging	Date	<i>Greg Zimmerman</i>	3/20/13	Greg Zimmerman Academic Department Head-Clinical Science, Respiratory Care, and Health Care System Administration	Date	<i>Dr. Matthew Adeyanju</i>	3/20/13	Dr. Matthew Adeyanju Dean, College of Health Professions	Date	<i>William Potter</i>	4/1/13	Dr. William Potter Associate Provost for Retention and Student Success	Date
<i>Theresa A. Raglin</i>	3/20/13																
Theresa Raglin Academic Department Head-Dental Hygiene and Medical Imaging	Date																
<i>Greg Zimmerman</i>	3/20/13																
Greg Zimmerman Academic Department Head-Clinical Science, Respiratory Care, and Health Care System Administration	Date																
<i>Dr. Matthew Adeyanju</i>	3/20/13																
Dr. Matthew Adeyanju Dean, College of Health Professions	Date																
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Articulation Agreement

Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016
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Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Therapeutic Services

Secondary Program CIP Code Number: 51.0000

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	World History/Geography	Career Tech Center-Therapeutic Services CCHS 102-Safety Issues-Health Care (1 credit) MRIS 102- Orientation to Med Vocabulary(1 credit)	
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts		
World Language	World Language		

Ferris State Degree: Associate Degrees in College of Health Professions Programs (AAS)

State-Approved CTE/Occupation Program Name: Therapeutic Services

State Approved CTE/Occupational Program Postsecondary CIP Code Numbers:

150501,510602,510701,510706,510707,510905,510907,510908,510910,511004,511005,513801,519999

Ferris State University General Education/Allied Health Programs (AAS) Courses*

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	ENGL 250 (3 credits)	Health Professions Course	Health Professions Course
BIOL 109 (4 Credits)	Cultural Enrichment (3 credits)	Health Professions Course	Health Professions Course
COMM 105/121 (3 credits)	Social Awareness (3 credits)	Health Professions Course	Health Professions Course
Math 115 (3 credits)	Health Professions Course	Health Professions Course	Health Professions Course
FSUS 100 (1 credit)	CCHS 101 (3 credits)	Health Professions Course	Health Professions Course

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

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3. Student must complete secondary career technical education course competencies with a "B" or better final grade.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Health Sciences
Federal Career Cluster (Secondary): Health Science
PSN from CTEIS: (Use individual school PSN in MEGS)

Perkins Approved: No

STATE-APPROVED SECONDARY PROGRAM NAME	
Health/Informatics	
CIP Code Number:	51.0707

Aligned/
Articulated
Programs

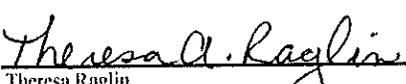
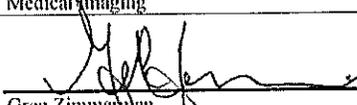
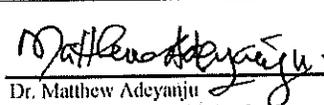
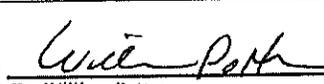
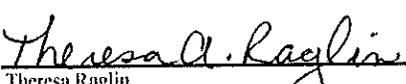
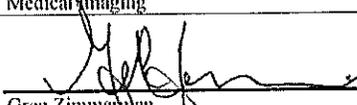
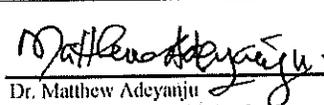
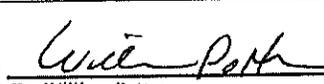
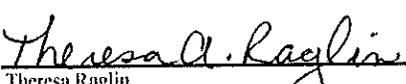
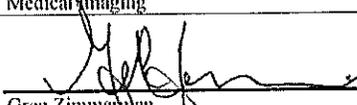
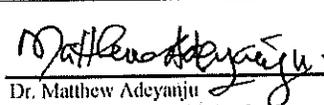
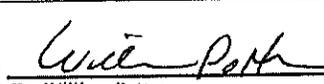
POST-SECONDARY PROGRAM NAME	
College of Health Professions Programs	
CIP Code Number:	519999,510602,510910,510602,510910,511004,511005,513801,510908,510907,510908

LOCAL SECONDARY COURSE	STUDENT
Health/Informatics	I-12

Aligned/
Articulated
with

POST-SECONDARY COURSE	Course Number	College Credits
Safety Issues-Health Care	CCHS 102	1
Orientation to Medical Vocabulary	MRIS 102	1
Total PS Credit(s) Possible:		2

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Career and Technical Education	Postsecondary/Adult Information																
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307																
	<table border="1"> <tr> <td></td> <td>3/20/13</td> </tr> <tr> <td>Theresa Raglin Academic Department Head-Dental Hygiene and Medical Imaging</td> <td>Date</td> </tr> <tr> <td></td> <td>3/20/13</td> </tr> <tr> <td>Greg Zimmermann Academic Department Head-Clinical Science, Respiratory Care, and Health Care System Administration</td> <td>Date</td> </tr> <tr> <td></td> <td>3/20/13</td> </tr> <tr> <td>Dr. Matthew Adeyanju Dean, College of Health Professions</td> <td>Date</td> </tr> <tr> <td></td> <td>4/1/13</td> </tr> <tr> <td>Dr. William Potter Associate Provost for Retention and Student Success</td> <td>Date</td> </tr> </table>		3/20/13	Theresa Raglin Academic Department Head-Dental Hygiene and Medical Imaging	Date		3/20/13	Greg Zimmermann Academic Department Head-Clinical Science, Respiratory Care, and Health Care System Administration	Date		3/20/13	Dr. Matthew Adeyanju Dean, College of Health Professions	Date		4/1/13	Dr. William Potter Associate Provost for Retention and Student Success	Date
	3/20/13																
Theresa Raglin Academic Department Head-Dental Hygiene and Medical Imaging	Date																
	3/20/13																
Greg Zimmermann Academic Department Head-Clinical Science, Respiratory Care, and Health Care System Administration	Date																
	3/20/13																
Dr. Matthew Adeyanju Dean, College of Health Professions	Date																
	4/1/13																
Dr. William Potter Associate Provost for Retention and Student Success	Date																

For the purposes of students enrolling and receiving articulated credit, this agreement remains effective for two additional years after expiration date to permit student access to agreed upon credits.

Articulation Agreement

Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016
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- Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctenavigator.org/>.

Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Health Information

Secondary Program CIP Code Number: 51.0707

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	World History/Geography	Career Tech Center-Health Information CCHS 102-Safety Issues-Health Care (1 credit) MRIS 102- Orientation to Med Vocabulary(1 credit)	
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts		
World Language	World Language		

Ferris State Degree: All Associate in College of Health Professions Programs (AAS)

State-Approved CTE/Occupation Program Name: Health Information

State Approved CTE/Occupational Program Postsecondary CIP Code Numbers:

150501,510602,510701,510706,510707,510905,510907,510908,510910,511004,511005,513801,519999

Ferris State University General Education/Allied Health Programs (AAS) Courses*

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	ENGL 250 (3 credits)	Health Professions Course	Health Professions Course
BIOI 109 (4 Credits)	Cultural Enrichment (3 credits)	Health Professions Course	Health Professions Course
COMM 105/121 (3 credits)	Social Awareness (3 credits)	Health Professions Course	Health Professions Course
Math 115 (3 credits)	Health Professions Course	Health Professions Course	Health Professions Course
FSUS 100 (1 credit)	CCHS 101 (3 credits)	Health Professions Course	Health Professions Course

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

The purpose of this agreement is to facilitate the transition of students from high school and/or Career and Technical Education (CTE) program to Ferris State University. Program is offered at all State-Approved Career and Technical Education Programs in Michigan.

General Conditions & Requirements:

1. Student must apply for Articulated Credit at Ferris State within two years of high school graduation.
2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Health Sciences
 Federal Career Cluster (Secondary): Health Science
 PSN from CTEIS: (Use individual school PSN in MEGS)

Perkins Approved: No

STATE-APPROVED SECONDARY PROGRAM NAME	
Health/Diagnostic Services	
CIP Code Number:	51.1000

Aligned/
Articulated
Programs

POST-SECONDARY PROGRAM NAME	
College of Health Professions Programs	
CIP Code Number:	519999,510602,510910,510602,510910,511004,511005,513801,510908,510907,510908

LOCAL SECONDARY COURSE	SEMESTER
Health/Diagnostic Services	1-12

Aligned/
Articulated
with

Postsecondary Course(s)	Course Number	College Credits
Safety Issues-Health Care	CCHS 102	1
Orientation to Medical Vocabulary	MRIS 102	1
Total PS Credit(s) Possible:		2

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Career and Technical Education	Postsecondary School Information	
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307	
	<i>Theresa A. Raglin</i> Theresa Raglin Academic Department Head-Dental Hygiene and Medical Imaging	<u>3/20/13</u> Date
	<i>Greg Zimmerman</i> Greg Zimmerman Academic Department Head-Clinical Science, Respiratory Care, and Health Care System Administration	<u>3/20/13</u> Date
	<i>Matthew Adeyanju</i> Dr. Matthew Adeyanju Dean, College of Health Professions	<u>3/20/13</u> Date
	<i>William Potter</i> Dr. William Potter Associate Provost for Retention and Student Success	<u>4/1/13</u> Date

For the purposes of students enrolling and receiving articulated credit, this agreement remains effective for two additional years after expiration date to permit student access to agreed upon credits.

Articulation Agreement

Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016
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- Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctenavigator.org/>.

Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Health Information

Secondary Program CIP Code Number: 51.0707

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	World History/Geography	Career Tech Center-Health Information CCHS 102-Safety Issues-Health Care (1 credit) MRIS 102- Orientation to Med Vocabulary(1 credit)	
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts		
World Language	World Language		

Ferris State Degree: All Associate in College of Health Professions Programs (AAS)

State-Approved CTE/Occupation Program Name: Health Information

State Approved CTE/Occupational Program Postsecondary CIP Code Numbers:

150501,510602,510701,510706,510707,510905,510907,510908,510910,511004,511005,513801,519999

Ferris State University General Education /Allied Health Programs (AAS) Courses*

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	ENGL 250 (3 credits)	Health Professions Course	Health Professions Course
BIOI 109 (4 Credits)	Cultural Enrichment (3 credits)	Health Professions Course	Health Professions Course
COMM 105/121 (3 credits)	Social Awareness (3 credits)	Health Professions Course	Health Professions Course
Math 115 (3 credits)	Health Professions Course	Health Professions Course	Health Professions Course
FSUS 100 (1 credit)	CCHS 101 (3 credits)	Health Professions Course	Health Professions Course

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

The purpose of this agreement is to facilitate the transition of students from high school and/or Career and Technical Education (CTE) program to Ferris State University. Program is offered at all State-Approved Career and Technical Education Programs in Michigan.

General Conditions & Requirements:

1. Student must apply for Articulated Credit at Ferris State within two years of high school graduation.
2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Health Sciences
 Federal Career Cluster (Secondary): Health Science
 PSN from CTEIS: (Use individual school PSN in MEGS)

Perkins Approved: No

STATE-APPROVED SECONDARY PROGRAM NAME	
Biotechnology Medical Services	
CIP Code Number:	26.0102

Aligned/Articulated Programs

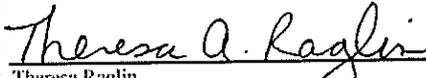
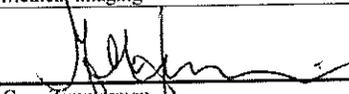
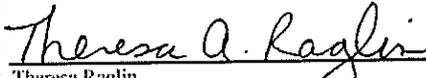
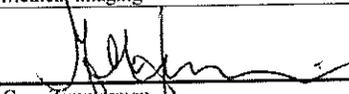
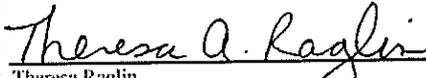
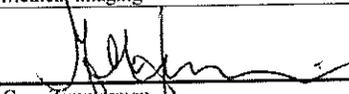
POSTSECONDARY PROGRAM NAME	
College of Health Professions Programs	
CIP Code Number:	519999,510602,510910,510602,510910,511004,511005,513801,510908,510908

LOCAL SECONDARY COURSE	SEGMENT
Biotechnology Medical Services	1-12

Aligned/Articulated with

Postsecondary Courses	Course Number	College Credits
Safety Issues-Health Care	CCHS 102	1
Orientation to Medical Vocabulary	MRIS 102	1
Total PS Credit(s) Possible:		2

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Career and Technical Education	Postsecondary School Information																
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307																
	<table border="1"> <tr> <td></td> <td>3/20/13</td> </tr> <tr> <td>Theresa Raglin Academic Department Head-Dental Hygiene and Medical Imaging</td> <td>Date</td> </tr> <tr> <td></td> <td>3/20/13</td> </tr> <tr> <td>Greg Zimmerman Academic Department Head-Clinical Science, Respiratory Care, and Health Care System Administration</td> <td>Date</td> </tr> <tr> <td></td> <td>3/26/13</td> </tr> <tr> <td>Dr. Matthew Adeyanju Dean, College of Health Professions</td> <td>Date</td> </tr> <tr> <td></td> <td>4/1/13</td> </tr> <tr> <td>Dr. William Potter Associate Provost for Retention and Student Success</td> <td>Date</td> </tr> </table>		3/20/13	Theresa Raglin Academic Department Head-Dental Hygiene and Medical Imaging	Date		3/20/13	Greg Zimmerman Academic Department Head-Clinical Science, Respiratory Care, and Health Care System Administration	Date		3/26/13	Dr. Matthew Adeyanju Dean, College of Health Professions	Date		4/1/13	Dr. William Potter Associate Provost for Retention and Student Success	Date
	3/20/13																
Theresa Raglin Academic Department Head-Dental Hygiene and Medical Imaging	Date																
	3/20/13																
Greg Zimmerman Academic Department Head-Clinical Science, Respiratory Care, and Health Care System Administration	Date																
	3/26/13																
Dr. Matthew Adeyanju Dean, College of Health Professions	Date																
	4/1/13																
Dr. William Potter Associate Provost for Retention and Student Success	Date																

For the purposes of students enrolling and receiving articulated credit, this agreement remains effective for two additional years after expiration date to permit student access to agreed upon credits.

FOR OFFICE USE ONLY			
Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016

Articulation Agreement

Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctenavigator.org/>.

Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Biotechnology Medical Services

Secondary Program CIP Code Number: 26.0102

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	World History/Geography	Career Tech Center-Biotechnology Medical Services CCHS 102-Safety Issues-Health Care (1 credit) MRIS 102- Orientation to Med Vocabulary(1 credit)	
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts		
World Language	World Language		

Ferris State Degree: Associate Degrees in College of Health Professions Programs (AAS)

State-Approved CTE/Occupation Program Name: Therapeutic Services

State Approved CTE/Occupational Program Postsecondary CIP Code Numbers:

150501,510602,510701,510706,510707,510905,510907,510908,510910,511004,511005,513801,519999

Ferris State University General Education/Allied Health Programs (AAS) Courses*

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	ENGL 250 (3 credits)	Health Professions Course	Health Professions Course
BIOL 109 (4 Credits)	Cultural Enrichment (3 credits)	Health Professions Course	Health Professions Course
COMM 105/121 (3 credits)	Social Awareness (3 credits)	Health Professions Course	Health Professions Course
Math 115 (3 credits)	Health Professions Course	Health Professions Course	Health Professions Course
FSUS 100 (1 credit)	CCHS 101 (3 credits)	Health Professions Course	Health Professions Course

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

The purpose of this agreement is to facilitate the transition of students from high school and/or Career and Technical Education (CTE) program to Ferris State University Program(s) offered at all State-Approved Career and Technical Education Programs in Michigan.

General Conditions & Requirements:

1. Student must apply for Articulated Credit at Ferris State within two years of high school graduation.
2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.
4. Student must pass the NOCTI Advanced Accounting Exam (3900) with a score of 70% or above OR pass the CLEP Financial Accounting Exam with a score at or above the national average.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Business, Management, Marketing & Technology Periods Approved: False
 Federal Career Cluster (Secondary): Business, Management & Administration
 PSN from CTEIS: (Use individual school PSN in MEGS)

STATE APPROVED SECONDARY PROGRAM NAME
Finance
CIP Code Number: 52.0800

Aligned/Articulated Programs

POSTSECONDARY PROGRAM NAME
Accountancy
CIP Code Number: 52.032

LOCAL SECONDARY COURSE	SEGMENT
Finance	1-12

Aligned/Articulated with

Postsecondary Courses	Course Number	College Credits
Principles of Accounting 1	ACCT 201	3
Total PS Credit(s) Possible:		3

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Career and Technical Education	Postsecondary School Information	
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307	
		3/28/2014
	Dr. Jim Woolen Department Head	Date
		3/28/14
	Dr. David Nicol Dean	Date
		4/2/14
	Dr. William Potter Associate Provost for Retention and Student Success	Date

For the purposes of students enrolling and receiving articulated credit, this agreement remains effective for two additional years after expiration date to permit student access to agreed upon credits.

FOR OFFICE USE ONLY			
Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016

Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctenavigator.org/>.

Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Finance

Secondary Program CIP Code Number: 52.0800

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	U.S. History/Geography		
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts	Career Tech Center-Finance* ACCT 201-Principles of Accounting 1 (3 credits)	
World Language	World Language		

Ferris State Degree: Accountancy

State-Approved CTE/Occupation Program Name: Finance

State Approved CTE/Occupational Program Postsecondary CIP Code Number: 52.032

Ferris State University General Education/Accountancy (AAS) Courses

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	Scientific Understanding (3 credits)	ENGL 250 (3 credits)	BLAW 321 (3 credits)
Scientific Understanding (4 credits)	COMM 121 (3 credits)	MGMT 301 (3 credits)	ACCT 321 (3 credits)
MATH 115 (3 credits)	Cultural Enrichment (3 credits)	BLAW 301 (3 credits)	ACCT 301/305 (3 credits)
ISYS 105 (3 credits)	ECON 221 (3 credits)	ACCT 310 (3 credits)	ECON 222 (3 credits)
ACCT 202 (3 credits)	STQM 260 (3 credits)	ACCT 231/241 (3 credits)	ACCT Elective (6 credits)

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu. for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

The purpose of this agreement is to facilitate the transition of students from high school and/or Career and Technical Education (CTE) program to Ferris State University. Program is offered at all State-Approved Career and Technical Education Programs in Michigan.

General Conditions & Requirements:

1. Student must apply for Articulated Credit at Ferris State within two years of high school graduation.
2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.
4. To earn credit of EDCE 104, student must pass the written portion of the NOCTI Job Readiness test for Early Childhood Care & Education with a score of 70% or higher.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Human Services
Federal Career Cluster (Secondary): Human Services
PSN from CTEIS: (Use individual school PSN in MEGS)

Perkins Approved: True

STATE-APPROVED SECONDARY PROGRAM NAME
Child & Custodial Care Services
CIP Code Number:

Aligned/Articulated Programs

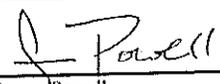
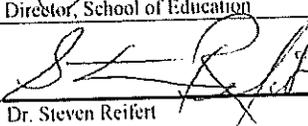
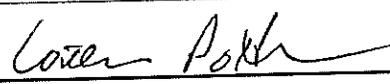
FERRIS STATE UNIVERSITY PROGRAM NAME	
Early Childhood Education	
CIP Code Number:	19.0708

GENERAL SECONDARY COURSE	SEGMENTS
Child & Custodial Care Services	1-12

Aligned/Articulated with

COURSE TITLE	CIP Code Number	Credit(s)
Free Elective		3
Child Development Practicum	EDCD 104	1
Total PS Credit(s) Possible:		4

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Career and Technical Education	Ferris State University
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307
	 Dr. James Powell Director, School of Education Date: 3/6/2014
	 Dr. Steven Reifert Interim Dean Date: 3/6/14
	 Dr. William Potter Associate Provost for Retention and Student Success Date: 3.2.14

For the purposes of students enrolling and receiving articulated credit, this agreement remains effective for two additional years after expiration date to permit student access to agreed upon credits.

FOR OFFICE USE ONLY			
Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016

Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctemvigator.org/>.

Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Early Childhood Education

Secondary Program CIP Code Number: 19.0708

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	U.S. History/Geography		
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts	Career Tech Center-Child & Custodial Care Services EDCD 104 Child Development Practicum (1 credit) Free Elective (3 credits)	
World Language	World Language		

Ferris State Degree: Early Childhood Education

State-Approved CTE/Occupation Program Name: Child & Custodial Care Services

State Approved CTE/Occupational Program Postsecondary CIP Code Number: 19.0708

Ferris State University General Education/ECED (AAS) Courses*

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	SOCY 121 (3 credits)	ENGL 250 (3 credits)	Social Awareness (3 credits)
FSUS 100 (1 credit)	Scientific Understanding (4 credits)	Scientific Understanding (3 credits)	LITR 325 (3 credits)
COMM 121 (3 credits)	EDCD 111 (3 credits)	EDCD 210 (4 credits)	EDCD 291 (4 credits)
MATH 115 (3 credits)	EDCD 160 (3 credits)	EDCD 211 (4 credits)	EDCD 298 (1 credit)
EDCD 105 (3 credits)	EDCD 205 (3 credits)	RMLS 122 (2 credits)	EDCD 299 (1 credit)
EDCD 110 (3 credits)	EDCD 285 (1 credit)		CAHS 205 (3 credits)

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

The purpose of this agreement is to facilitate the transition of students from high school and/or Career and Technical Education (CTE) program to Ferris State University. Program is offered at all State-Approved Career and Technical Education Programs in Michigan.

General Conditions & Requirements:

1. Student must apply for Articulated Credit at Ferris State within two years of high school graduation.
2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.
4. Student must receive approval from FSU program advisor to earn 3 credits of marketing electives.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Business/Management/Marketing & Technology **Perkins Approved: False**
 Federal Career Cluster (Secondary): Marketing, Sales and Service
 PSN from CTEIS: (Use individual school PSN in MEGS)

STATE-APPROVED SECONDARY PROGRAM NAME	
Marketing, Sales & Services Marketing & Entrepreneurship	
CIP Code Number:	52.1999

Aligned/Articulated Programs

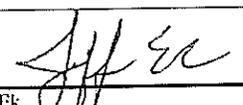
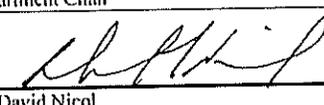
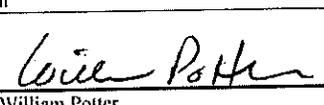
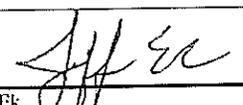
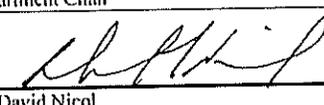
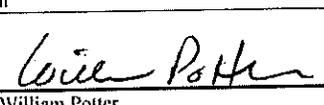
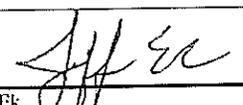
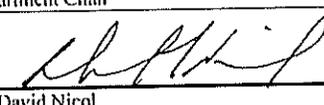
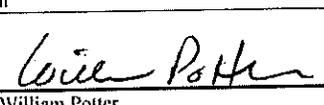
POSTSECONDARY PROGRAM NAME	
Marketing	
CIP Code Number:	52.1401

LOCAL SECONDARY COURSE	GRADE(S)
Marketing, Sales & Services Marketing & Entrepreneurship	1-12

Aligned/Articulated with

POSTSECONDARY COURSES	COURSE NUMBER	COLLEGE CREDITS
Marketing Elective		3
Total PS Credit(s) Possible:		3

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Career and Technical Education	Postsecondary School Information												
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307												
	<table border="1"> <tr> <td></td> <td>3/20/14</td> </tr> <tr> <td>Jeff Ek Department Chair</td> <td>Date</td> </tr> <tr> <td></td> <td>3/25/14</td> </tr> <tr> <td>Dr. David Nicol Dean</td> <td>Date</td> </tr> <tr> <td></td> <td>4/1/14</td> </tr> <tr> <td>Dr. William Potter Associate Provost for Retention and Student Success</td> <td>Date</td> </tr> </table>		3/20/14	Jeff Ek Department Chair	Date		3/25/14	Dr. David Nicol Dean	Date		4/1/14	Dr. William Potter Associate Provost for Retention and Student Success	Date
	3/20/14												
Jeff Ek Department Chair	Date												
	3/25/14												
Dr. David Nicol Dean	Date												
	4/1/14												
Dr. William Potter Associate Provost for Retention and Student Success	Date												

For the purposes of students enrolling and receiving articulated credit, this agreement remains effective for two additional years after expiration date to permit student access to agreed upon credits.

FOR OFFICE USE ONLY			
Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016

Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctenavigator.org/>.

Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Marketing, Sales & Services Marketing & Entrepreneurship

Secondary Program CIP Code Number: 52.1999

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	U.S. History/Geography		
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts	Career Tech Center-Marketing, Sales & Services Marketing & Entrepreneurship* Marketing Elective (3 credits)	
World Language	World Language		

Ferris State Degree: Marketing

State-Approved CTE/Occupation Program Name: Marketing, Sales & Services Marketing & Entrepreneurship

State Approved CTE/Occupational Program Postsecondary CIP Code Number: 52.1401

Ferris State University General Education/Marketing (AAS) Courses

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	Scientific Understanding (4 credits)	ENGL 250 (3 credits)	AIMC 300 (3 credits)
MATH 115 (3 credits)	COMM 121 (3 credits)	BLAW 321 (3 credits)	MKTG 231 (3 credits)
PSCY 150 (3 credits)	STQM 260 (3 credits)	MKTG 321 (3 credits)	PREL 240 (3 credits)
ACCT 201 (3 credits)	ECON 221 (3 credits)	ECON 222 (3 credits)	Marketing Directed Elective (3 credits)
Cultural Enrichment (3 credits)	ACCT 202 (3 credits)		Marketing Directed Elective (3 credits)

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu. for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

The purpose of this agreement is to facilitate the transition of students from high school and/or Career and Technical Education (CTE) program to Ferris State University. Program is offered at all State-Approved Career and Technical Education Programs in Michigan.

General Conditions & Requirements:

1. Student must apply for Articulated Credit at Ferris State within two years of high school graduation.
2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary): Business Management/Marketing & Technology **Perkins Approved: False**
Federal Career Cluster (Secondary): Business Management and Administration
PSN from CTEIS: (Use individual school PSN in MEGS)

STATE ABBREVIATION	STATE CIP CODE	PROGRAM NAME
	52.0299	Business Administration, Management & Operations

Aligned/Articulated Programs

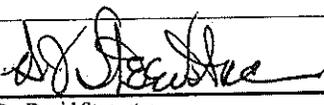
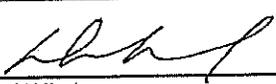
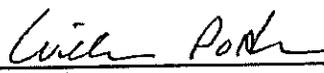
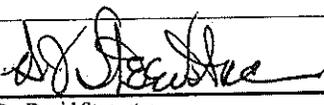
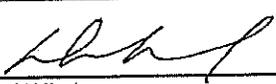
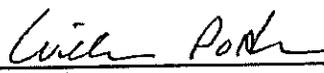
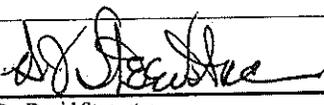
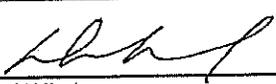
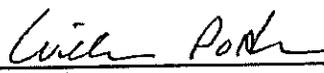
POSTSECONDARY COURSE NUMBER	COURSE TITLE
520201	General Business

LOCAL SECONDARY COURSE	SEGMENT
Business Administration, Management & Operations	1-12

Aligned/Articulated with

POSTSECONDARY COURSE	COURSE NUMBER	COURSE CREDITS
3 credits of directed electives		3
Total PS Credit(s) Possible:		3

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Career and Technical Education	Ferris State University												
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307												
	<table border="1"> <tr> <td></td> <td>3-20-13</td> </tr> <tr> <td>Dr. David Steenstra Management Department Head</td> <td>Date</td> </tr> <tr> <td></td> <td>3/21/13</td> </tr> <tr> <td>Dr. David Nicol Dean, College of Business</td> <td>Date</td> </tr> <tr> <td></td> <td>3/25/13</td> </tr> <tr> <td>Dr. William Potter Associate Provost for Retention and Student Success</td> <td>Date</td> </tr> </table>		3-20-13	Dr. David Steenstra Management Department Head	Date		3/21/13	Dr. David Nicol Dean, College of Business	Date		3/25/13	Dr. William Potter Associate Provost for Retention and Student Success	Date
	3-20-13												
Dr. David Steenstra Management Department Head	Date												
	3/21/13												
Dr. David Nicol Dean, College of Business	Date												
	3/25/13												
Dr. William Potter Associate Provost for Retention and Student Success	Date												

For the purposes of students enrolling and receiving articulated credit, this agreement remains effective for two additional years after expiration date to permit student access to agreed upon credits.

FOR OFFICE USE ONLY			
Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016

Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctenavigator.org/>.

Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Business Administration, Management, & Operations

Secondary Program CIP Code Number: 52.0299

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	World History/Geography	Career Tech Center-Business Administration, Management, & Operations 3 credits of directed electives	
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts		
World Language	World Language		

Ferris State Degree: General Business (AAS)

State-Approved CTE/Occupation Program Name: Business Administration, Management, & Operations

State Approved CTE/Occupational Program Postsecondary CIP Code Numbers: 520201

Ferris State University General Business AAS Program Courses*

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	ENGL 250 (3 credits)	ECON 222 (3 credits)	STQM 260 (3 credits)
MATH 115 (3 credits)	ECON 221 (3 credits)	Cultural Enrichment (3 credits)	Business Elective
COMM 121 (3 credits)	ACCT 201 (3 credits)	ACCT 202 (3 credits)	Business Elective
BUSN 122 (3 credits)	MGMT 301 (3 credits)	ISYS 200 (3 credits)	Business Elective
FSUS 100 (1 credit)	ISYS 105 (3 credits)	MKTG 321 (3 credits)	Business Elective

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.

Articulation Agreement

Ferris State University
AND

All State-Approved Career and Technical Education Programs in Michigan

The purpose of this agreement is to facilitate the transition of students from high school and/or Career and Technical Education (CTE) program to Ferris State University. Program is offered at all State-Approved Career and Technical Education Programs in Michigan.

General Conditions & Requirements:

1. Student must apply for Articulated Credit at Ferris State within two years of high school graduation.
2. Student must complete the Articulated Credit Application/Verification form, gather necessary documentation, obtain appropriate signatures, and request that the career technical center/high school send the form and documentation to Ferris State University's Transfer Services Center.
3. Student must complete secondary career technical education course competencies with a "B" or better final grade.
4. To receive credit for TDMP 136, the student needs to submit a Demo Reel (portfolio) for TDMP faculty review.
5. To receive credit for TDMP 243, the student needs to submit a Demo Reel (portfolio) for TDMP faculty review.

Aligned/Articulated Courses:

Michigan Career Pathway (Secondary):
Federal Career Cluster (Secondary):
PSN from CTEIS:

Arts and Communication
Arts, A/V Technology & Communication
(Use individual school PSN in MEGS)

Perkins Approved: No

STATE-APPROVED SECONDARY PROGRAM NAME	
Radio & TV Broadcasting Technology	
CIP Code Number:	10.0202

Aligned/Articulated Programs

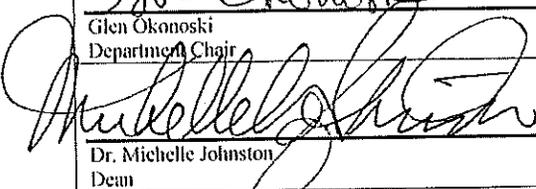
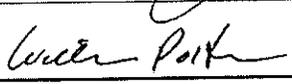
POSTSECONDARY PROGRAM NAME	
Television and Digital Media Production	
CIP Code Number:	100202

LOCAL SECONDARY COURSE	SEGMENT
Radio & TV Broadcasting Technology	1-12

Aligned/Articulated with

Postsecondary Courses	Course Number	College Credits
Audio Production	TDMP 136	3
Field Production	TDMP 243	3
Total PS Credit(s) Possible:		6

Ferris State University will award articulated credit to students for the secondary program according to the condition/requirements as outlined in this agreement. Articulated Credit applies to degrees and certificates. This agreement is valid until date of discard. Attached to this agreement is a 2+2 program of study for this agreement.

Michigan Career and Technical Education	Postsecondary School Information
Michigan Department of Education Career and Technical Education 608 W. Allegan Street PO Box 30008 Lansing, MI 48909	Ferris State University 1201 S. State Street Big Rapids, MI 49307
	 Date: 3-21-13 Glen Okonoski Department Chair
	 Date: 3-21-13 Dr. Michelle Johnston Dean
	 Date: 4/1/13 Dr. William Potter Associate Provost for Retention and Student Success

For the purposes of students enrolling and receiving articulated credit, this agreement remains effective for two additional years after expiration date to permit student access to agreed upon credits.

FOR OFFICE USE ONLY			
Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016

Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctenavigator.org/>.

Articulation Agreement (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Radio & TV Broadcasting Technology

Secondary Program CIP Code Number: 10.0202

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	U.S. History/Geography		
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts	Career Tech Center-Radio & TV Broadcasting Technology (10.0202) TDMP 110-Video Communications (3 credits) TDMP 243-Field Production (3 credits)	
World Language	World Language		

Ferris State Degree: Television & Digital Media Production (B.S.)

State-Approved CTE/Occupation Program Name: Radio & TV Broadcasting

State Approved CTE/Occupational Program Postsecondary CIP Code Number: 100202

Ferris State University General Education/TDMP Courses

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	ENGL 211/250 (3 credits)	ENGL 311/321/325 (3 credits)	Cultural Enrichment (3 credits)
COMM 105/121/221/251 (3 credits)	Science (3-4 credits)	COMM 336/385 (3 credits)	Social Awareness/Global Consciousness (3 credits)
Science with a Lab (4 credits)	Cultural Enrichment (3 credits)	Cultural Enrichment (3 credits)	Social Awareness/Global Consciousness/Race Ethnicity Gender (3 credits)
Math 115 or higher (3 credits)	Social Awareness/Global Consciousness (3 credits)	TVPR 326 (3 credits)	TVPR 343 (3 credits)
TVPR 132 (3 credits)		TVPR 345 (4 credits)	Elective
FSUS 100 (1 credit)			

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu. for up-to-date General Education and program requirements.

Articulation Agreement

For the purposes of students enrolling and receiving articulated credit, this agreement remains effective for two additional years after expiration date to permit student access to agreed upon credits.

FOR OFFICE USE ONLY

Implementation Date:	July 1, 2013	Expiration Date:	June 30, 2016
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- Documentation of secondary instructional delivery/segments, which includes the postsecondary delivery (Examples-GAP Analysis, CIP Program Review Summary Document, (2010) Assessment Taken/Passed) is available for review at <http://ctnavigator.org/>.

Tech Prep Articulation Agreement

Tech Prep (2+2) Program of Study

School Year: 2013-2016

State-Approved CTE Program Name: Graphics and Printing Technology and Communications

Secondary Program CIP Code Number: 10.0301

PSN from CTEIS: (use individual school PSN in MEGS)

Secondary

Freshman-9 th Grade	Sophomore-10 th Grade	Junior-11 th Grade	Senior-12 th Grade
1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester	1 st Semester/2 nd Semester
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Math Credit
Biology	Physics or Chemistry	Civics/Economics	Science Credit
World History/Geography	U.S. History/Geography		
PE/Health	Fine Arts/Music/Visual/Performing and Applied Arts	Career Tech Center-Graphics and Printing Technology and Communications GRDE 116 Computers in Visual Media (3 credits)	
World Language	World Language		

Ferris State Degree: Graphic Design

State-Approved CTE/Occupation Program Name: Graphics and Printing Technology and Communications

State Approved CTE/Occupational Program Postsecondary CIP Code Number: 500409

Ferris State University General Education/GRDE Courses

Freshman-Grade 13		Sophomore-Grade 14	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
ENGL 150 (3 credits)	Art History Elective (3 credits)	ENGL 250 (3 credits)	GRDE 226 (3 credits)
COMM 105/121 (3 credits)	ECON 221 (3 credits)	Art History Elective (3 credits)	GRDE 228 (3 credits)
Science with a Lab (4 credits)	MKTG 231 (3 credits)	GRDE 120 (3 credits)	GRDE 299 (3 credits)
Math 115 or higher (3 credits)	GRDE 110 (3 credits)	GRDE 210 (3 credits)	Elective
GRDE 109	GRDE 114	GRDE 216 (3 credits)	
FSUS 100 (1 credit)			

To be completed by Secondary Institution

PSN: _____

*please consult the Ferris State University course catalog at www.ferris.edu for up-to-date General Education and program requirements.