

**FERRIS STATE UNIVERSITY**



***STATEWIDE ARTICULATED  
ADVANCED PLACEMENT CREDIT  
2009-2010 HANDBOOK***

for

**CAREER TECHNICAL CENTERS  
HIGH SCHOOL CAREER PROGRAMS  
& CONSORTIUMS**

Prepared by FSU Articulation Office  
Division of Academic Affairs



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**INTRODUCTION TO  
THE MICHIGAN CAREER TECHNICAL CENTERS  
HIGH SCHOOL CAREER PROGRAMS  
& CONSORTIUMS**

The articulation process with Michigan's Career Technical Centers, High School Career Programs, and Consortiums and Ferris State University began in 1995 and includes an ever-growing number of career technical centers, high schools, and consortiums throughout the State. The partnership that Ferris has with the centers/high schools was established to provide more post-secondary educational options for capable students and better prepare students to enter the world of work.

The initiatives and partnership with Michigan's Career Technical Centers, High School Career Programs, and Consortiums will be on-going. The standards and guidelines will change as the knowledge and practices associated with the articulation process continue to evolve.

This handbook is a summary of the Ferris' Career Technical Centers, High School Career Programs, and Consortiums articulation process. Please visit our website or feel free to contact the Articulation Office when you have questions.

<http://www.ferris.edu/admissions/articulation/>



## Introduction to Ferris State University

At Ferris State University, we enhance people's lives through wide ranging quality educational opportunities; we embody a personalized, caring, innovative, learner-centered environment; we embrace excellence, dedication, integrity, responsiveness, and respect; and we empower people to make positive changes in their lives and communities.

Ferris State University holds all its students, faculty, and staff to the following values:

- Quality** – We will stress excellence in all we do.
- Integrity** – We will treat everyone—our students, employees, and community members—fairly and with respect.
- Agility** – We will proactively seek to meet the needs of the community, our students, and our employees, responding quickly as needs change.

Ferris State University  
1201 S. State St., CSS 310  
Big Rapids, MI 49307  
Fax: 231-591-3592

<http://www.ferris.edu/htmls/administration/academicaffairs/articulation>



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## Listing of Schools with current Articulation Agreements for 2009-2010

- Allegan County Area Technical & Education Center
- Alma Technical Center
- Anchor Bay High School
- Bay Arenac ISD Career Center
- Benzie Frankfort – Traverse Bay Area
- Boyne City High School CHAR-EM ISD
- Branch Area Career Center
- Brighton High School
- Byron Center High School
- Cadillac High School
- Caledonia High School
- Calhoun Area Tech Center
- Careerline Tech Center
- Centerline High School
- Cheboygan High School
- Clare-Gladwin RESD CTC
- Clarenceville High School
- Copper Country ISD
- Crockett Vocational Center
- Cuyahoga Valley Career Center
- Delta Schoolcraft ISD
- Dickinson-Iron Technical Education Center
- Elkhart Area Career Center
- Farmington High School
- Flint Northern Academy
- Fowlerville High School
- GASC Technology Center
- Gogebic-Ontonagon ISD
- Golightly Career and Technical Academy
- Grand Blanc High School
- Hartland High School
- Hazel Park High School
- Heartlands Institute of Technology
- Herbert Henry Dow High School
- Hill Career Academy
- Howell High School
- Huron Area Technical Center
- IOSCO Regional Educational Service Agency
- Kalamazoo RESA
- Kenowa Hills High School
- Kent Career Technical Center
- Kettering High School
- Lake Orion High School
- Lake Shore High School
- Lakeland High School
- Lakeshore High School
- Lamphere High School
- Lapeer Education & Technology Center
- Lenawee Vocational Technical Center
- Livonia Career Technical Center
- Ludington High School
- Mason-Lake ISD
- Mecosta-Osceola ISD
- Midland High School
- Montcalm Area Career Center
- Mt. Pleasant Area Technical Center
- Muskegon Area Career Center
- Newaygo County RESA
- North Farmington High School
- Northeastern Michigan's Area Career & Technical Education Center
- Oak Park High School
- Oakland Technical Center – All Campuses
- Oxford High School
- Petowsky High School
- Pinckney High School
- Plymouth-Canton Public Schools
- Prosser Career Center
- Randolph CTC
- Rockford Public Schools
- Royal Oak High School
- Saginaw Career Complex
- Saline High School
- Sault Area Career Center
- Schoolcraft High School – Kalamazoo RESA
- Southfield High School
- St. Clair County Technical Education Center
- St. John's High School
- Standish-Sterling Central High School
- Stevenson High School
- Traverse Bay Area ISD
- Van Buren Technology Center
- Walled Lake Central HS
- Walled Lake Northern HS
- Waterford-Mott High School
- Walled Lake Western HS
- Warren Career Preparation Center
- West Bloomfield High School
- West Iron County Schools
- Wexford-Missaukee Area Career Technical Center
- William D. Ford Career Technical Center

\*To view a specific institutional articulation agreement, please visit the FSU website at [www.ferris.edu](http://www.ferris.edu), click on "Academic Affairs", then "Articulation", then "Career Technical Education Centers" then click on the school you wish to view.



**Michigan Area Career Technical Centers  
High School Career Programs & Consortiums  
Statewide Articulated Advanced Placement Agreement**

***Conditions of Agreement***

1. Career Technical Centers, High School Career Programs, and Consortiums must have adopted and utilize the state CTE curriculum.
2. Student must take a mutually acceptable assessment (i.e. Job Readiness, ASE, etc.) and achieve the established passing score (National Standard).
3. Student must have **B** average in the Career Technical Centers, High School Career Programs, and Consortiums.
4. Student must be recommended by Career Technical Centers', High School Career Programs', and Consortiums' teachers, counselors and/or administrators.
5. Student must complete the following documents/materials, to be considered for articulated credit:
  - Application/Verification (A/V) form
  - Required test(s) and/or examination scores
  - Official signatures from the centers' teachers, counselor and/or administrator, as required by the applicable Ferris program on the A/V form
6. Ferris credit shall not be granted to the student until the student has completed and earned not less than twelve (12) credits at Ferris. Students shall have one (1) year from the date of their first class at Ferris to complete the required twelve (12) credits at Ferris.
7. Students must apply for articulated credit within one (1) year of high school graduation.

Notes:

- ❖ Students must meet Ferris State University program admissions criteria at the time of entry to complete the FSU program in two (2) years or less. In other cases, advanced placement in Ferris technical courses is available, but it may take longer than two (2) years to complete the associate degree.



## **Articulation Agreement Implementation for Articulated Advanced Placement Credit**

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In order for the articulation program to be successful and effective, each of the participants must remain active in the process. The implementation timeline is included in the FLOW CHART section of the handbook on pages 8 to 9. The responsibilities of the participants involved in the articulation agreement program are as follows:

### The Secondary School Teacher's Role:

- Contact the Ferris State University instructor to express interest in articulating courses.
- Provide the Ferris State University instructor with current task sheets, which include a detailed list of competencies covered in the courses taught.
- Align the secondary education curriculum in a manner that supports a seamless transition for students from high school to college.
- Sign the articulation agreement and forward the document to the appropriate administrator with signatory authority.
- Encourage students to perform well and promote the use of articulated credit with Ferris State University.
- Fulfill the learning objectives and competencies as specified in the task lists for the articulated courses.
- Advise students on whether they meet the conditions for articulated college credit.
- Review and sign the students' application for articulated credit form to verify the applicant meets the conditions stipulated in the articulation agreement.

### The Secondary School Administrator's Role:

- Coordinate and administer the articulation agreement program as necessary at the secondary education level.
- Ensure that the competencies listed in the task lists are being followed by secondary school teachers in all courses articulated with Ferris State University.
- Review and sign the articulation agreements and forward the documents to the academic dean at Ferris State University for processing.
- Promote the use of articulation agreements with Ferris State University so eligible students can take advantage of this seamless transition to college programs.
- Review the articulation agreements as often as necessary to ensure they remain current and appropriate.
- Review and sign the student's application forms and forward it to the academic dean at Ferris State University.



#### The College Instructor's Role:

- Be receptive to the possibility to articulate entry-level college courses.
- Communicate regularly with the secondary teaching counterpart to address curricular issues and possible program changes.
- Review the secondary course task sheets for competencies taught.
- Prepare a draft articulation agreement utilizing the template and forward the template to the academic dean for review and final printing.
- Assist the secondary school teachers with the alignment of their courses so that a seamless path to college can be achieved.
- Review the student application for articulated credit and forward the form to the academic dean for processing.
- Monitor the performance of students receiving articulated credit and report any problems or concerns to the academic dean.

#### The College Dean's Role:

- Coordinate and administer the articulation agreements for courses listed under their purview and within their divisions.
- Review the proposed articulation agreements for completeness and appropriateness.
- Prepare a finalized articulation agreement on Ferris State University letterhead and disseminate the agreements for signatures.
- Upon the receipt of all signatures, forward the articulation agreements to the registrar's office for recording.
- Distribute copies of the signed articulation agreements to all signatory parties listed on the agreements.
- Review and sign the students' application form for articulated credit and forward it to the registrar's office.
- Send copies of the approved student application form to the signatory instructor listed on the application.
- Maintain copies of all articulation agreements and applications.
- Evaluate the articulation agreement program on an annual basis.



University Articulation Role:

- Give credit for competencies mastered outside the classroom
- Offer college in classes higher than entry level
- Transfer community college credits to replace the general education requirements of a four-year university
- Transfer lower level program course work programmatically to the four year university rather than transferring as elective credit

Articulation agreements are formal, written documents agreed upon by two or more institutions.

Student's Role:

- Meet the conditions as set forth in the articulation agreement for each course to ensure the eligibility for college credit.
- Register to become a full-time student at Ferris State University within 12 months from high school graduation.
- Meet with the secondary school teacher for advising prior to filling out the paperwork.
- Complete the application form and have the secondary school teacher and administrator sign the form.
- Forward the application form to the appropriate academic dean at Ferris State University.
- Meet with the designated college program advisor to discuss a plan of study in the selected career path.



**FLOW CHART**  
**FOR**  
**APPLICATION OF ARTICULATED ADVANCED PLACEMENT CREDIT**  
**2009-2010**

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**ARTICULATION AGREEMENT IMPLEMENTATION TIMELINE**

Time Period	Activity	Participants
Fall Semester 2009	Articulation Agreement Handbook Approved and adopted by the college.	Academic deans and college president.
Fall Semester 2009	Handbook contents are distributed to secondary school administrators and counselors.	The Ferris State University Tech Prep Contact person will be responsible for the distribution.
Winter Semester 2010	Secondary school task sheets and list of competencies are submitted to the appropriate Ferris State University faculty for review. Educators will meet or correspond to discuss differences in course competencies and align curriculum.	Secondary school teachers and Ferris State University faculty in areas being articulated.
Winter Semester 2010	Articulation agreements are reviewed and processed for approval.	Secondary school teachers, Ferris State University faculty, secondary school administrators, academic deans and Academic Affairs at Ferris State University.
Spring Semester and each subsequent spring semester	The articulation agreement program and handbook are reviewed for effectiveness.	Academic deans with feedback from all participants.



### FLOW CHART

- **AUGUST THROUGH DECEMBER**

High school seniors are to have a Ferris State University admission application on file and be accepted to the University prior to making application for Articulated Advanced Placement credits. Students may go to the Ferris online admissions webpage and apply for *free* at:

<http://www.ferris.edu/admissions/application/>

- **JANUARY THROUGH JUNE**

(1) High school seniors are to complete required programmatic assessments, tests, portfolio reviews, etc. with required test scores that is required for each articulated credit for which s/he is making application. Refer to AAP Handbook.

(2) High school seniors are to complete the Application/Verification Form (A/V Form) and submit it to the Articulation Office at Ferris State University. This form must be completed with signatures, noted with each articulated credit applying for, and have appropriate copies of assessments attached. The A/V Form may be downloaded at:

<http://www.ferris.edu/htmls/administration/academicaffairs/articulation>

(3) A/V Forms must be received no later than **May 15th of the students senior year** in the Articulation Office at the following address:

Articulation Office  
Ferris State University  
1201 South State Street  
CSS 310  
Big Rapids, MI 49307

- Once the A/V Form has been received and processed by the Articulation Office, it will be forwarded to the department(s) from which the articulated credit(s) are being requested by the student. It will then be reviewed by the department head and dean's office for approval. When approved and once the student has completed 12 credits at Ferris, the AAP credits will be posted to the student's transcript.



## APPLICATION PROCESS FOR ARTICULATED ADVANCED PLACEMENT CREDIT 2009-2010

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### **STEP 1: MAKE APPLICATION TO FERRIS STATE UNIVERSITY**

The first step in applying for articulated advanced placement credit is that the student makes application for admission to Ferris State University. This should be done in the fall of the student's senior year, August through December. Make sure that the student completes the section on the admissions application that asks for the name of the career center, high school career program, or consortium s/he is attending. Students may go to the Ferris online admissions webpage and apply for free at:

<http://www.ferris.edu/admissions/application/>

### **STEP 2: COMPLETE ALL REQUIRED ASSESSMENTS**

The second step in applying for articulated advanced placement credit is the scheduling and completion of assessments, portfolio reviews, etc. that are required for the credit(s) the senior will be attempting to articulate. This process begins shortly after the beginning of the winter semester, mid-January, and should be completed by April, in most instances.

To determine what kind of assessment is required for the credit(s) the student will be attempting to articulate, please refer to the Articulation Handbook. If a hardcopy of the Handbook is not available to you, you can access it on the Articulation website at:

<http://www.ferris.edu/admissions/articulation/>

If the assessment is noted as "NOCTI," then you are expected to contact NOCTI to schedule the exam; if the assessment is noted as "Articulation Assessment," then you are expected to contact the Ferris department chair of the college offering the credit(s) to schedule an exam time and place. If the assessment indicates "Portfolio Review," you are to contact the Ferris department of the college offering the credit(s) and schedule a time and place for the review to take place. If the assessment indicates "No Assessment" and the "Required Score" indicates "B" this means that the student must complete the career center program with a "B" grade and is, therefore, not required to take an assessment. For your reference, the Articulation Handbook has a complete listing of all the colleges and their department personnel to help you in scheduling Articulation Assessments and Portfolio Reviews.

### **STEP 3: MAKE APPLICATION FOR ARTICULATED CREDITS**

The third and final step in making application for articulated credits is the actual act of filling out the application form and applying for the articulated credits. This form is called the Application- Verification Form (A/V Form) and it is in the Articulation Handbook and can be copied. Again, if you do not have access to the handbook, the A/V form can be downloaded from the Articulation website at the link noted above. Please note that when filling out the A/V form, it must be filled out completely with signatures, assessments must be attached to verify scores, and articulated credits must be identified on the second page in order for the form to be processed. This form and accompanying materials must be received in the Articulation Office by **May 15th**.



ACADEMIC AFFAIRS

ARTICULATED ADVANCED PLACEMENT CREDIT  
**Career Technical Center/High School**  
Application/Verification Form  
**(2009-10 A/V Form)**

*\*NOTE: Prior to making application for articulated advanced placement credit, student must have submitted Ferris admission application and be admitted to the University.*

This form must be received in the  
Articulation office by May 15<sup>th</sup>

\_\_\_\_\_   
Date of Application

**SECTION I**

**STUDENT INFORMATION (Please print)**

Student Name: \_\_\_\_\_  
Last First M.I.

E-mail Address: \_\_\_\_\_

Home Address: \_\_\_\_\_  
Street  
City State Zip Phone

High School: \_\_\_\_\_ Anticipated Grad Date: \_\_\_\_\_

**SECTION II**

**CAREER TECHNICAL CENTER INFORMATION**

**Career/Technical Center:** \_\_\_\_\_

CTC Phone Number & Contact Person: \_\_\_\_\_  
(Please do not abbreviate)

Student's Career Pathway: \_\_\_\_\_

Student's Career Program: \_\_\_\_\_

**SECTION III**

**FERRIS STATE UNIVERSITY INFORMATION**

Ferris Program: \_\_\_\_\_  
(Name of program/major student plans to enter at Ferris)

Date of Anticipated Ferris Enrollment: (\_\_\_) Fall – August (\_\_\_) Winter – January (\_\_\_) Summer - May  
Year: 20\_\_\_\_

Campus: (please circle) Big Rapids Grand Rapids





## ARTICULATED ADVANCED PLACEMENT CREDIT

Below is the list of Articulated Advanced Placement credits Ferris offers to eligible students at Michigan career technical centers, high school career programs, and consortiums who are pursuing the *Arts & Communications Career Pathway*. These are just guidelines, please contact the articulation office with any questions.



### Michigan Career Pathways

### ARTS & COMMUNICATIONS

Tech Center Program Title	FSU College & Program Title	Test Required	Score Required	Ferris Course	Cr.
Arts, A/V Technology & Communications	<b>COLLEGE OF EDUCATION &amp; HUMAN SERVICES</b> <ul style="list-style-type: none"> <li>Television and Digital Media Production (TVDMP)</li> </ul>	No Test Required: (Completion of CTC TV program)	3.0 (B)	TVPR Directed Elective	3
Arts, A/V Technology & Communications	<b>COLLEGE OF ENGINEERING TECHNOLOGY</b> <ul style="list-style-type: none"> <li>Printing Imaging Technology</li> </ul>	Project Portfolio*	FSU Instructor sign-off	PTEC 101	2
Arts, A/V Technology & Communications	<b>COLLEGE OF BUSINESS</b> <ul style="list-style-type: none"> <li>Graphic Design</li> </ul>	GRDE 116 Course Competency Form	CTC Instructor sign-off	GRDE 116	3
Arts, A/V Technology & Communications	<b>COLLEGE OF PROFESSIONAL AND TECHNOLOGICAL STUDIES</b> <ul style="list-style-type: none"> <li>Digital Animation &amp; Game Design</li> </ul>	No test required	-----	DAGD 100	3

\*Student must schedule portfolio review prior to end of Ferris Summer Orientation (mid-July)

February 2010

\*For information on specific credit available to your students, please refer to your CTC articulation agreement with Ferris State University



## ARTICULATED ADVANCED PLACEMENT CREDIT

Below is the list of Articulated Advanced Placement credits Ferris offers to eligible students at Michigan career technical centers, high school career programs, and consortiums who are pursuing the *Business, Management, Marketing, and Technology Career Pathway*. These are just guidelines, please contact the articulation office with any questions.



### Michigan Career Pathways

### BUSINESS, MANAGEMENT, MARKETING and TECHNOLOGY

Tech Center Program Title	FSU College & Program Title	Test Required	Score Required	Ferris Course	Cr.
Business, Management & Administration	<b>COLLEGE OF BUSINESS –</b> <ul style="list-style-type: none"> <li>• Accountancy (Public Accounting Track)</li> </ul>	NOCTI Accounting Complete Test (2900) OR CLEP Financial Accounting Exam	Equal to or above National Standard	ACCT 201	3
Marketing I and Marketing II	<b>COLLEGE OF BUSINESS -</b> <ul style="list-style-type: none"> <li>• Marketing</li> </ul>	As approved by program advisor		MKTG Elective	3
Business, Management & Administration	<b>COLLEGE OF BUSINESS –</b> <ul style="list-style-type: none"> <li>• General Business and Business Administration               <ul style="list-style-type: none"> <li>(1) Business Administration</li> <li>(2) Associate Degree in General Business</li> </ul> </li> </ul>	No test required	----	3 credits of directed electives	3

\*Students must schedule portfolio review prior to end of Ferris Summer Orientation (mid-July)  
February 2010

\*For information on specific credit available to your students, please refer to your CTC articulation agreement with Ferris State University



**FERRIS STATE UNIVERSITY**  
 Career Pathway: Business, Management, Marketing, and Technology  
 Articulated Advanced Placement Credit

Tech Center Program Title	FSU College & Program Title	Test Required	Score Required	Ferris Course	Cr.
Information Technology	<b>COLLEGE OF BUSINESS –</b> <ul style="list-style-type: none"> <li>• Computer Information Systems</li> </ul>	Articulation Assessment (to be taken at orientation)	70%	ISYS 105	3
		Current A+ Certification	--	ISYS 270	3
		CNA or CNE Certification (6.0 version)	--	ISYS 310	3
		Current MCSA or MCSE on Server 2003	--	ISYS 307	3
		Current NET+ Certification	--	ISYS 325	3
		Current PMP Certification from PMI	--	ISYS 411	3
		Sun Certified Programmer for Java 2 Platform 1.4	--	ISYS 216	3
		Sun Certified Programmer for Java 2 Platform 1.2	--	ISYS 216 & ISYS 316	6
Hospitality & Tourism	<b>COLLEGE OF BUSINESS –</b> <ul style="list-style-type: none"> <li>• Hospitality Management</li> </ul>	NOCTI Job Ready Assessment Blueprints: Culinary Arts I: Prep Cook or Culinary Arts II: Cook or Hospitality Mgmt – Food & Beverage Option	Composite Score of 75% or higher	RFIM 113 RFIM 114 RFIM 115 RFIM 127 RFIM 204 RFIM 211 RFIM 229	3 3 3 3 3 3 3
		OR American Culinary Arts Federation (ACF) Secondary Accreditation Test		(up to 9 credits)	

\*Students must schedule portfolio review prior to end of Ferris Summer Orientation (mid-July) February 2010

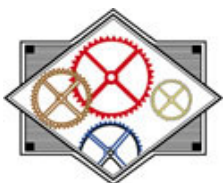
\*For information on specific credit available to your students, please refer to your CTC articulation agreement with Ferris State University



## ARTICULATED ADVANCED PLACEMENT CREDIT

Below is the list of Articulated Advanced Placement credits Ferris offers to eligible students at Michigan career technical centers, high school career programs, and consortiums who are pursuing the *Engineering, Manufacturing and Industrial Technology Career Pathway*. These are just guidelines, please contact the articulation office with any questions.

Michigan Career Pathways



### ENGINEERING, MANUFACTURING and INDUSTRIAL TECHNOLOGY

Tech Center Program Title	FSU College & Program Title	Test Required	Score Required	Ferris Course	Cr.
Architecture & Construction	<b>COLLEGE OF ENGINEERING TECHNOLOGY –</b> <ul style="list-style-type: none"> <li>Building Construction Technology</li> </ul>	Articulation Assessment	B (3.0)	BCTM 213	3
Architecture & Construction	<b>COLLEGE OF ENGINEERING TECHNOLOGY –</b> <ul style="list-style-type: none"> <li>HVACR</li> </ul>	Articulation Assessment	C	HVAC 101	4
Architecture & Construction	<b>COLLEGE OF ENGINEERING TECHNOLOGY –</b> <ul style="list-style-type: none"> <li>Surveying Technology</li> </ul>	Articulation Assessment	C	ETEC 140 SURE 115	3 1
Manufacturing	<b>COLLEGE OF ENGINEERING TECHNOLOGY –</b> <ul style="list-style-type: none"> <li>Manufacturing Technology</li> </ul>	Project Portfolio*	FSU Instructor sign-off	MFGT 113	1
		Project Portfolio*	FSU Instructor sign-off	MFGT 114	2
Manufacturing	<b>COLLEGE OF ENGINEERING TECHNOLOGY –</b> <ul style="list-style-type: none"> <li>Mechanical Engineering</li> </ul>	Articulation Assessment (on board and CAD) OR Accepted Project Portfolio	C	ETEC 140	3
Manufacturing	<b>COLLEGE OF ENGINEERING TECHNOLOGY</b> <ul style="list-style-type: none"> <li>Facility Management</li> </ul>	No test required	----	RMLS 130 RMLS 211 RMLS 231 RMLS 232 RMLS 235 RMLS 236	3 3 2 2 2 2

\*Students must schedule portfolio review prior to end of Ferris Summer Orientation (mid-July) February 2010

\*For information on specific credit available to your students, please refer to your CTC articulation agreement with Ferris State University



FERRIS STATE UNIVERSITY  
 Career Pathway: Engineering, Manufacturing and Industrial Technology  
 Articulated Advanced Placement Credits

Tech Center Program Title	FSU College & Program Title	Test Required	Score Required	Course	Cr.
Manufacturing	<b>COLLEGE OF ENGINEERING TECHNOLOGY –</b> • CAD Drafting and Tool Design	Articulation Assessment (taken at orientation)	B (3.0)	CDTD 111	6
		Check sheet	FSU Instructor sign-off	CDTD 112	3
Manufacturing	<b>COLLEGE OF ENGINEERING TECHNOLOGY –</b> • Welding Technology	Confirmation of completed WELD 113- Practical Welding Processes and Projects	Instructor Recommendation	WELD 113 (Lab)	5
Science, Technology, Engineering, & Mathematics	<b>COLLEGE OF ENGINEERING TECHNOLOGY –</b> • Industrial Electronics Technology	Project Portfolio*	B (3.0)	EEET 111	1
		and/or		and/or	
		Articulation Assessment	C C C	EEET 114 EEET 115 EEET 122	4 3 4
Transportation, Distribution, & Logistics	<b>COLLEGE OF ENGINEERING TECHNOLOGY –</b> • Automotive Service Technology	Articulated Curriculum/ NATEF certified MI B.A.R. or ASE	Passing	AUTO 111	4
				AUTO 112	4
				AUTO 113	4
				AUTO 114	4
				AUTO 115	4
Information Technology	<b>COLLEGE OF ENGINEERING TECHNOLOGY –</b> • Computer Networks & Systems	Articulation Assessment AND CCNA (CISCI Certified Network Associate ) for ECNS 115-225	C C C C	ECNS 115	3
				ECNS 125	3
				ECNS 215	3
				ECNS 225	3
Transportation, Distribution, & Logistics	<b>COLLEGE OF ENGINEERING TECHNOLOGY –</b> • Heavy Equipment Technology	Pass ASE certified in Medium/Heavy Truck Diesel Engines  Articulation Assessment – Job Readiness Test (NOCTI)	Math ACT score of 19 or higher	HEQT 120	4
				HEQT 101	2

\*Students must schedule portfolio review prior to end of Ferris Summer Orientation (mid-July) February 2010

\*For information on specific credit available to your students, please refer to your CTC articulation agreement with Ferris State University



## ARTICULATED ADVANCED PLACEMENT CREDIT

Below is the list of Articulated Advanced Placement credits Ferris offers to eligible students at Michigan career technical centers, high school career programs, and consortiums who are pursuing the *Health Sciences Career Pathway*. These are just guidelines, please contact the articulation office with any questions.



### Michigan Career Pathways

#### HEALTH SCIENCES

Tech Center Program Title	FSU College & Program Title	Test Required	Score Required	Ferris Course	Cr.
Health Science	<b>COLLEGE OF ALLIED HEALTH SCIENCES –</b> <ul style="list-style-type: none"> <li>Dental Hygiene</li> </ul>	Completion of Medical Terminology Unit	B	MRIS 102	1
		Completion of Safety Issues Unit	B	CCHS 102	1
		OR CNA Certification	Verification	CCHS 102	1
		Completion of Emergency Care Program	B	CCHS 103	1
Health Science	<b>COLLEGE OF ALLIED HEALTH SCIENCES –</b> <ul style="list-style-type: none"> <li>Diagnostic Medical Sonography (Ultrasound)</li> </ul>	Completion of Medical Terminology Unit	B	MRIS 102	1
		Completion of Safety Issues Unit	B	CCHS 102	1
		OR CNA Certification	Verification	CCHS 102	1
		Completion of Emergency Care Program	B	CCHS 103	1
Health Science	<b>COLLEGE OF ALLIED HEALTH SCIENCES –</b> <ul style="list-style-type: none"> <li>Health Information Technology</li> </ul>	Completion of Medical Terminology Unit	B	MRIS 102	1
		Completion of Safety Issues Unit	B	CCHS 102	1
		OR CNA Certification	Verification	CCHS 102	1
		Completion of Emergency Care Program	B	CCHS 103	1

NOTE: Students must meet individual program admissions requirements and program prerequisites, if any, to be eligible to begin the professional sequence of the program. You can find these requirements at [ferris.edu/htmls/colleges/alliedhe/require.htm](http://ferris.edu/htmls/colleges/alliedhe/require.htm)



**FERRIS STATE UNIVERSITY**  
 Career Pathway: Health Sciences  
 Articulated Advanced Placement Credit

Tech Center Program Title	Ferris College & Program Title	Test Required	Score Required	Ferris Course	Cr.
Health Science	<b>COLLEGE OF ALLIED HEALTH SCIENCES –</b>  • Medical Laboratory Technology	Completion of Medical Terminology Unit	B	MRIS 102	1
		Completion of Safety Issues Unit	B	CCHS 102	1
		OR CNA Certification	Verification	CCHS 102	1
		Completion of Emergency Care Program	B	CCHS 103	1
Health Science	<b>COLLEGE OF ALLIED HEALTH SCIENCES –</b>  • Nuclear Medicine Technology	Completion of Medical Terminology Unit	B	MRIS 102	1
		Completion of Safety Issues Unit	B	CCHS 102	1
		OR CNA Certification	Verification	CCHS 102	1
		Completion of Emergency Care Program	B	CCHS 103	1
Health Science	<b>COLLEGE OF ALLIED HEALTH SCIENCES –</b>  • Nursing	Completion of Medical Terminology Unit	B	MRIS 102	1
		Completion of Safety Issues Unit	B	CCHS 102	1
		OR CNA Certification	Verification	CCHS 102	1
		Completion of Emergency Care Program	B	CCHS 103	1
Health Science	<b>COLLEGE OF ALLIED HEALTH SCIENCES –</b>  • Radiography	Completion of Medical Terminology Unit	B	MRIS 102	1
		Completion of Safety Issues Unit	B	CCHS 102	1
		OR CNA Certification	Verification	CCHS 102	1
		Completion of Emergency Care Program	B	CCHS 103	1
Health Science	<b>COLLEGE OF ALLIED HEALTH SCIENCES –</b>  • Respiratory Care	Completion of Medical Terminology Unit	B	MRIS 102	1
		Completion of Safety Issues Unit	B	CCHS 102	1
		OR CNA Certification	Verification	CCHS 102	1
		Completion of Emergency Care Program	B	CCHS 103	1

NOTE: Students must meet individual program admissions requirements and program prerequisites, if any, to be eligible to begin the professional sequence of the program. You can find these requirements at [ferris.edu/htmls/colleges/alliedhe/require.htm](http://ferris.edu/htmls/colleges/alliedhe/require.htm)

\*For information on specific credit available to your students, please refer to your CTC articulation agreement with Ferris State University

## ARTICULATED ADVANCED PLACEMENT CREDIT

Below is the list of Articulated Advanced Placement credits Ferris offers to eligible students at Michigan career technical centers, high school career programs, and consortiums who are pursuing the *Human Services Career Pathway*. These are just guidelines, please contact the articulation office with any questions.



### Michigan Career Pathways

### HUMAN SERVICES

Tech Center Program Title	FSU College & Program Title	Test Required	Score Required	Ferris Course	Cr.
Education & Training	<b>COLLEGE OF EDUCATION &amp; HUMAN SERVICES –</b> <ul style="list-style-type: none"> <li>School of Education -- Early Childhood Education</li> </ul>	NOCTI Job Readiness test	70% on written exam	Free Elective	3
				EDCD 104	1
Law, Public Safety & Security	<b>COLLEGE OF EDUCATION &amp; HUMAN SERVICES –</b> <ul style="list-style-type: none"> <li>School of Criminal Justice -- Pre-Criminal Justice</li> </ul>	Recommendation by CTC State CTE Curriculum	3.0 (B)	CRIM 110	3
Human Services	<b>COLLEGE OF BUSINESS –</b> <ul style="list-style-type: none"> <li>Cosmetology               <ol style="list-style-type: none"> <li>Business Administration</li> <li>Associate Degree in General Business</li> </ol> </li> </ul>	State Board Certificate	Passing	Free and Directed Electives	12

\*For information on specific credit available to your students, please refer to your CTC articulation agreement with Ferris State University

## ARTICULATED ADVANCED PLACEMENT CREDIT

Below is the list of Articulated Advanced Placement credits Ferris offers to eligible students at Michigan career technical centers, high school career programs, and consortiums who are pursuing the *Natural Resources and Agriscience Career Pathway*. These are just guidelines, please contact the articulation office with any questions.



### Michigan Career Pathways

### NATURAL RESOURCES and AGRISCIENCE

Tech Center Program Title	FSU College & Program Title	Test Required	Score Required	Ferris Course	Cr.
Natural Resources Agriscience	<b>COLLEGE OF ARTS and SCIENCES –</b> <ul style="list-style-type: none"> <li>Ornamental Horticulture Technology</li> </ul>	No Test Required: Completion of CTC program	B or better (3.0)	HORT 297	4
		Articulation Assessment	B or better (3.0)	BIOL 113	3

\*For information on specific credit available to your students, please refer to your CTC articulation agreement with Ferris State University



## ARTICULATED ADVANCED PLACEMENT CREDIT

Below is the list of Articulated Advanced Placement credits available to eligible students at Michigan career technical centers, high school career programs, and consortiums who plan to enroll at Ferris State University Fall 2009.

COURSE	CR.	COLLEGE	COURSE TITLE	FERRIS MAJOR
ACCT 201	3	COB	Principles of Accounting 1	Accountancy
AUTO 111	4	COT	Manual Transmission and Drivelines	Auto Service Tech • Must be an Articulated curriculum
AUTO 112	4	COT	Automotive Brake Systems	Auto Service Tech • Must be an Articulated curriculum
AUTO 113	4	COT	Auto Electricity and Electronics	Auto Service Tech • Must be an Articulated curriculum
AUTO 114	4	COT	Automotive Engines	Auto Service Tech • Must be an Articulated curriculum
AUTO 115	4	COT	Suspension Steering Alignment Service	Auto Service Tech • Must be an Articulated curriculum
BCTM 213	3	COT	Wood and Steel Framing and Finishes	Building Construction Technology
BIOL 113	3	A&S	Basic Botany	Ornamental Horticulture
BUS Electives	3-12	COB	Free and Directed Electives	Business Administration, General Business (3 credits directed electives) OR Cosmetology (12 credits free and directed electives) Must be a Cosmetology Articulated Curriculum
CCHS 101	3	AHS	Orientation – Health Care	Some Allied Health Services Curriculums
CCHS 102	1	AHS	Safety Issues – Health Care	Most Allied Health Services Curriculums
CCHS 103	1	AHS	Clinical Skills for Health Care Providers	Most Allied Health Services Curriculums
CTD 111	6	COT	Fundamentals of Drafting	CAD Drafting/Tool Design Tech
CTD 112	3	COT	Fundamentals of Computer Aided Design	CAD Drafting/Tool Design Tech
CRIM 110	3	COEHS	Introduction to Criminal Justice	Pre-Criminal Justice
DAGD 100	3	CPTS	3D Modeling – Animation 1	Digital Animation & Game Design
ECNS 115	3	COT	Networks 1	Computer Networks & Systems



FERRIS STATE UNIVERSITY  
 Articulated Advanced Placement Credit  
 2009-2010

COURSE	CR.	COLLEGE	COURSE TITLE	FERRIS MAJOR
ECNS 125	3	COT	Networks 2	Computer Networks & Systems
ECNS 215	3	COT	Networks 3	Computer Networks & Systems
ECNS 225	3	COT	Networks 4	Computer Networks & Systems
ECNS 115-225	12	COT	Networks 1 through 4 CCNA (CISCO Certified Network Association)	Computer Networks & Systems
EDCD Elective	3	COEHS	EDCD Elective	Early Childhood Education
EDCD 104	1	COEHS	Child Development Practicum	Early Childhood Education
EEET 111	1	COT	IET Technical Preparation	Industrial Electronics Technology
EEET 114	4	COT	Electric Circuits 1	Industrial Electronics Technology
EEET 115	3	COT	Electronic Technology HVACR Available to FSU-HVAC students only	Industrial Electronics Technology
EEET 122	4	COT	Digital 1	Industrial Electronics Technology
ETEC 140	3	COT	Engineering Graphics, Comprehensive	Surveying Technology or Mechanical Engineering
GRDE 116	3	COB	Computers in Visual Media	Graphic Design
HEQT 101	2	COT	Heavy Equipment Maintenance Fundamentals	Heavy Equipment Technology Must be an Articulated Curriculum
HEQT 120	4	COT	Heavy Equipment Engine Technology	Heavy Equipment Technology Must be an Articulated Curriculum
HORT 297	4	A&S	Independent Studies in OHT	Ornamental Horticulture Tech
HVAC 101	4	COT	Introduction to Refrigeration and Air Conditioning Systems	HVACR
ISYS 105	3	COB	Introduction to Microcomputer Systems and Software	Computer Information Systems
ISYS 270	3	COB	Microcomputer Hardware Systems	Computer Information Systems
ISYS 307	3	COB	Fundamentals of Hardware & Operating Systems	Computer Information Systems
ISYS 310	3	COB	Networking Administration	Computer Information Systems
ISYS 325	3	COB	Networking Essentials	Computer Information Systems
ISYS 411	3	COB	Project Management	Computer Information Systems

FERRIS STATE UNIVERSITY  
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COURSE	CR.	COLLEGE	COURSE TITLE	FERRIS MAJOR
ISYS 216	3	COB	Intro to Java Programming	Computer Information Systems
ISYS 316	6	COB	Advanced Java Programming	Computer Information Systems
MFGT 113	4	COT	Process Machined Component Lab	Manufacturing Tooling Technology
MFGT 114	3	COT	Overview of Process Machined Component	Manufacturing Tooling Technology
MKTG Elective	3	COB	Marketing Elective	Marketing
MRIS 102	1	AHS	Orientation to Medical Vocabulary	Most Allied Health Services Curriculums
MRIS 103	4	AHS	Medical Terminology	Medical Record Technology and Medical Record Administration
PTEC 101	3	COT	Introduction to Graphic Communication	Printing & Digital Graphic Imaging Technology
RFIM 113	3	COB	Sanitation and Safety	Restaurant/Food Industry Mgmt (up to 9 credits)
RFIM 114	3	COB	Menu Planning/Nutrition	Restaurant/Food Industry Mgmt (up to 9 credits)
RFIM 115	3	COB	Food and Labor Cost Control System	Restaurant/Food Industry Mgmt (up to 9 credits)
RFIM 127	3	COB	Principles of Cooking and Baking	Restaurant/Food Industry Mgmt (up to 9 credits)
RFIM 204	3	COB	Food & Beverage Operations in Clubs	Restaurant/Food Industry Mgmt (up to 9 credits)
RFIM 211	3	COB	Purchasing: Hospitality Industry	Restaurant/Food Industry Mgmt (up to 9 credits)
RFIM 229	3	COB	Dining Room Service Management	Restaurant/Food Industry Mgmt (up to 9 credits)
RMLS 130	3	COB	Prin/Prac of Outdoor/Environ. Edu	Facility Management
RMLS 211	3	COB	Found. of Outdoor Living Skills	Facility Management
RMLS 231	2	COB	Canoe Touring	Facility Management
RMLS 232	2	COB	Winter Backpacking	Facility Management
RMLS 235	2	COB	Kayak Tripping	Facility Management
RMLS 236	2	COB	Rock Climbing Industry Training	Facility Management
SURE 115	1	COT	Introduction to Computer Mapping	Surveying Technology
TVPR Directed Electives	3	COEHS	TVPR Directed Elective	Television and Digital Media Production
WELD 113	5	COT	Welding Processes 1	Welding Technology

# Ferris State University

## College of Allied Health Sciences (AHS)

### Resource Personnel

College of Allied Health Sciences  
 200 Ferris Drive, VFS 200-B  
 Big Rapids, MI 49307

**Dean's Office – (231) 591-2269**      <http://www.ferris.edu/HTMLS/colleges/alliedhe/>

Ellen Haneline, Dean  
 Kathy Hotz, Secretary to the Dean  
 Mary Steeno, Educational Counselor  
 Linda Kuk, Pre-program Advising

VFS 210-B

[steenom@ferris.edu](mailto:steenom@ferris.edu)

### Departments

**Clinical Laboratory,  
 Respiratory and**

Ellen Haneline  
 Dean

VFS 200    231-591-2269

[ellenhaneline@ferris.edu](mailto:ellenhaneline@ferris.edu)

**Health Administration**

Greg Zimmerman  
 Department Head

Health Care Systems Administration, BS  
 Health Information Management, BS  
 Health Information Technology, AAS  
 Medical Technology, BS  
 Medical Laboratory Technology, AAS  
 Respiratory Care, AAS  
 Phlebotomy, Certificate

VFS 402

231-591-2313

[zimmerg@ferris.edu](mailto:zimmerg@ferris.edu)

**Medical Imaging &  
 Dental Hygiene**

Theresa Raglin  
 Department Head

VFS 405

231-591-2312

[raglint@ferris.edu](mailto:raglint@ferris.edu)

Nuclear Medicine Technology, AAS  
 Radiography, AAS  
 Dental Hygiene, AAS  
 Dental Hygiene, BS  
 Diagnostic Medical Sonography, AAS

**School of Nursing**

Julie Coon  
 Director

VFS 400A

231-591-2267

[coonj@ferris.edu](mailto:coonj@ferris.edu)

Nursing, BS (BSN)

# Ferris State University

## College of Arts and Sciences (A&S)

### Resource Personnel

College of Arts & Sciences  
820 Campus Drive, ASC 3052  
Big Rapids, MI 49307

**Dean's Office – (231) 591-3661**      <http://www.ferris.edu/HTMLS/colleges/artsands>

Matthew Klein, Dean  
Reinhold Hill, Associate Dean  
Ric Underhill, Educational Counselor  
Christi Swank, Administrative Assistant to the Dean

### Departments

Ornamental Horticulture Technology	John F. Vanderploeg Program Coordinator	ASC 2119	231-591-2547 <a href="mailto:Vanderpj@ferris.edu">Vanderpj@ferris.edu</a>
	Karen Strasser Department Head	ASC 2004	231-591-2250 <a href="mailto:strasserk@ferris.edu">strasserk@ferris.edu</a>

# Ferris State University College of Business (COB) Resource Personnel

College of Business  
119 South Street, BUS 200  
Big Rapids, MI 49307

**Dean's Office – (231) 591-2420**

<http://www.ferris.edu/cob>

David M. Nicol, Dean  
Van Edgerton, Assistant Dean  
Lynnae Selberg, Educational Counselor

## Departments

Accountancy Finance & Information Systems	Jim Woolen Department Head	BUS 212	231-591-2434 <a href="mailto:woolenj@ferris.edu">woolenj@ferris.edu</a>
General Business, Business Administration, and Cosmetology	David Steenstra Department Chair	BUS 212	231-591-2427 <a href="mailto:steensd@ferris.edu">steensd@ferris.edu</a>
Marketing	Mike Cooper Department Chair	BUS 212	231-591-2426 <a href="mailto:michael_C_Cooper@ferris.edu">michael_C_Cooper@ferris.edu</a>
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Graphic Design	Jeff Ek Program Coordinator	BUS 302	231-591-2442 <a href="mailto:Jeffrey_A_Ek@ferris.edu">Jeffrey_A_Ek@ferris.edu</a>

# Ferris State University

## College of Education & Human Services (COEHS)

### Resource Personnel

College of Education & Human Services  
1349 Cramer Circle, BIS 421  
Big Rapids, MI 49307

**Dean's Office – (231) 591-3648**      <http://www.ferris.edu/HTMLS/colleges/educatio/>

Michelle Johnston, Dean  
Paul Blake, Associate Dean  
Mary Cline, Educational Counselor

### Departments

Criminal Justice	Stephen Poland Director	BIS 538	231-591-2835 <a href="mailto:polands@ferris.edu">polands@ferris.edu</a>
School of Education	Liza Ing Director	BIS 421	231-591-5362 <a href="mailto:ingl@ferris.edu">ingl@ferris.edu</a>
Television & Media Production	Fred Wyman Department Chair	BIS 303B	231-591-2712 <a href="mailto:wymanf@ferris.edu">wymanf@ferris.edu</a>
Recreation Leadership	Susan Hastings-Bishop Department Chair	SRC 102A	231-591-2457 <a href="mailto:hastings@ferris.edu">hastings@ferris.edu</a>

# Ferris State University College of Technology (COT) Resource Personnel

College of Technology  
1009 Campus Dr., JOH-200  
Big Rapids, MI 49307

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Construction Technology And Management	Ed Brayton Department Chair	GRN 227	231-591-2370 <a href="mailto:braytone@ferris.edu">braytone@ferris.edu</a>
Electrical/Electronics and Computer Networks & Systems	Clare Cook Department Chair	SWN 405A	231-591-2367 <a href="mailto:cookc@ferris.edu">cookc@ferris.edu</a>
Heavy Equipment	Keith Cripe Department Chair	HEC 203	231-591-2810 <a href="mailto:cripek@ferris.edu">cripek@ferris.edu</a>
Heating, Ventilation, AC & Refrigeration	Mike Feutz Department Chair	GRN 227	231-591-2608 <a href="mailto:feutz@ferris.edu">feutz@ferris.edu</a>
Manufacturing	Gary Ovans Department Chair	SWN 108	231-591-2971 <a href="mailto:ovansg@ferris.edu">ovansg@ferris.edu</a>
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Printing and Digital Graphic Imaging Technology	Pat Klarecki Department Chair	SWN 312	231-591-2848 <a href="mailto:klarecki@ferris.edu">klarecki@ferris.edu</a>
Surveying Engineering	Sayed Hashimi Department Chair	SWN 314	231-591-2633 <a href="mailto:hashimis@ferris.edu">hashimis@ferris.edu</a>
Welding Engineering Technology	Jeff Carney Department Chair	SWN 108	231-591-2952 <a href="mailto:carneyj@ferris.edu">carneyj@ferris.edu</a>

**Ferris State University**  
**College of Professional and Technological Studies**  
**(CPTS)**  
**Resource Personnel**

College of Professional and Technological Studies  
410 Oak Street, ALU 113  
Big Rapids, MI 49307

**Dean's Office – (231) 591-2340**

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Don Green, Dean

**Departments**

Digital Animation and  
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