

SUMMARY REPORT FOR SELF-STUDY EVALUATION  
OF OCCUPATIONAL PROGRAMS  
July 1, 2015 through June 30, 2016

SUBMITTING EDUCATIONAL AGENCY	College KIRTLAND COMMUNITY COLLEGE	Date May 1, 2017
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	Title DEAN OF OCCUPATIONAL PROGRAMS	
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**GENERAL INSTRUCTIONS**

- This report is available at <http://www.michigancc.net/appfr/tr/>.

Complete this Summary Report using the form provided for EACH occupational program to be reviewed according to the college evaluation schedule. Exception: In special circumstances, similar programs with different CIP codes may be evaluated together, however separate demographic pages (1 and 2 of 7) must be completed for each program by August 2, 2009. DO NOT SUBMIT COPIES OF COMPLETED SURVEY INSTRUMENTS. A complete copy of the total evaluation document for EACH program must be kept on file at the college. This document may be requested at a later date for state or federal audit purposes. Make sure to update your Program Inventory with the date the evaluation was completed.

CIP CODE (6 DIGIT) 48.0508	LEVEL(s) 2 & 3
PROGRAM NAME(S) LEVEL 2 CWAF3 – CERTIFICATE WELDING AND FABRICATING LEVEL 3 ASSOCIATE OF APPLIED SCIENCE WELDING AND FABRICATING	

**PART I. SUMMARY REPORT FORMAT**

The following data and comments are recorded to summarize the results of the college Self-Study Evaluation. Refer to the Dictionary of Community College Terminology for definitions. Enter data for the most current three years.

**A. PROGRAM ENROLLMENT (Previous Three-Year Figures)**

Year	Unduplicated Headcount	Student Credit Hours For Specialty Courses	Student Contact Hours
2013-2014	7 7	90.9 132	2,246 2,624
2014-2015	12 80	317 697	5,824 14,120
2015-2016	17 32	378 734	7,596 13,220

**B. PROGRAM GRADUATES & PLACEMENT DATA (Previous Three-Year Figures)**

YEAR	# of Awards Conferred	# Students That Received at Least one Award	# Employed	# Continuing Education	# Entering Military
2013-2014	5 (CERT) – 1	5 1	2 1	1 0	0 0
2014-2015	9 2	9 2	2 0	0 0	0 0
2015-2016	16 4	16 4	2 1	1 0	0 0

\*If a student is employed and attending school, default to report the student as employed.

**C. PERKINS III CORE PERFORMANCE INDICATORS FY 2015-16**

1P1: If there was no technical skill assessment available, please enter N/A.

CORE INDICATOR (Perkins IV)	2008-2009 Performance Levels		
	State Performance Level Expected	College	Program
1P1: % of CTE concentrators who passed technical skill assessments that are aligned with industry-recognized standards, if available and appropriate, during the reporting year (that can be identified)	91.75%	92.61% 92.61%	100.00% 0.00%
2P1: % of CTE concentrators who received an industry-recognized credential, a certificate, or a degree during the reporting year.	31.00%	73.33% 73.33%	56.16%
3P1: % of CTE concentrators who remained enrolled in their original postsecondary institution or transferred to another 2- or 4-year postsecondary institution during the reporting year and who were enrolled in postsecondary education in the fall of the previous reporting year.	71.00%	72.21% 72.21%	80.00%
4P1: % of CTE concentrators who were placed or retained in employment, or placed in military service or apprenticeship programs in the 2nd quarter following the program year in which they left postsecondary education (i.e., unduplicated placement status for CTE concentrators who graduated by June 30, 2008 would be assessed between October 1, 2008 and December 31, 2008).	85.00%	85.88% 85.88%	80.00%
5P1: % of CTE participants from underrepresented gender groups who participated in a program that leads to employment in nontraditional fields during the reporting year.	26.00%	19.54% 19.54%	0.00%
5P2: % of CTE concentrators from underrepresented gender groups who completed a program that leads to employment in nontraditional fields during the reporting year.	21.00%	15.12% 15.12%	0.00%

**D. DATA ANALYSIS. Provide a brief analysis of your data and explain what ramifications these data have for program improvement, especially in the areas of the Perkins Core Indicators.**

1P1 All students have multiple opportunities to earn more than 9 AWS certifications in the program.

2P1 Doing well

3P1 Doing well

4P1 Kirtland will be implementing a virtual career fair for graduates at the end of every semester. Advisory members and business partners will be invited.

We are also revamping our internship course and looking to build those partnerships to include paid internships with employment potential. We also are going to look at offering internship experiences around the country.

5P1 and 5P2 We are piloting our first summer camps for secondary students to open up opportunities for them.

We have increased our offerings with our secondary partners. Kirtland is offering welding courses on our campus for high school students during the day. Students who successfully complete are allowed to dual enroll in welding the next year. We have additional schools asking for welding courses and we are looking at how to accommodate for the next school year.

We are also partnering with local First Robotics teams in our area. We are offering seminars on basic equipment/lab/safety use. We are also offering teams to work on their robot at our facility to access to our students/faculty and facilities. Local team coaches have committed to offering summer camps next year.

E-1. SUMMARY OF EVALUATION PERCEPTIONS BY ADMINISTRATORS AND FACULTY

COMMENTS:

Number of Administrators  
and Faculty Participating:

2

The content of the welding program is very good. It is current with industry and covers all processes of welding to prepare the students to start a career.

Our current student advisor does not understand our program and signs students up poorly.

When I tell people where I work, most say they have never heard of it.

Instructional facilities are very cluttered and cramped. Students have some tripping hazards.

The individuals who work in this program are 100% dedicated and committed to making a great learning environment for students.

RECOMMENDATIONS:

Advertising/promoting of the welding program is needed.

We need Tech Math I & II instead of Algebra.

More labor needed for maintenance needed.

More administrative support needed.

NEED TO TAKE ACTION: A meeting where transparent and clear budget information is shared and the team, instructors and administrators, work together to find solutions to monetary issues.

E-2. SUMMARY OF EVALUATION PERCEPTIONS BY STUDENTS

COMMENTS:

Number of Students  
Participating:

11

Instructors are very professional and knowledgeable; always will to help.

Convenience of location – I commute 100 miles each way.

RECOMMENDATIONS:

Could expand the shop – add workstations.

E-3. SUMMARY OF EVALUATION PERCEPTIONS BY ADVISORY COMMITTEE MEMBERS

COMMENTS:

Number of Advisory Committee  
Members Participating:

7
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Kirtland utilized current equipment & techniques and does a good job at cross training (like CNC plasma programing to metal fabrication).

RECOMMENDATIONS:

Add lock out/tag out.

**F. COMMUNITY COLLEGE ACTION PLAN**

(Include comments on goals and objectives, timelines and resources. Use additional sheets if necessary. Include actions required to increase low performance in any of the Core Indicators.

Goals/Objectives: (please be concise)

Develop a tech math for program  
Provide resources to have safe facilities for students  
Transparency of budgets  
Advertise/promote program  
Have lab coordinator investigate lock out/tag out concerns.

Timelines: (including anticipated completion date)

2017-18 academic school year  
Done – hired full time lab coordinator and multiple part time lab aids  
Done – full time faculty have access to program budgets. Will give copies of budget at dept. meeting.  
This is a continuous process. Program videos are in the process of being made to help in recruitment and promotion. We added a large 55-inch monitor in the hallway outside lab that loops photos of welding events/students/projects.  
Done

Resources: (materials and staff, etc.)

Perkins grant for videos and monitor.  
General fund for staff

NOTE: THIS DOES NOT CONSTITUTE THE FINAL NARRATIVE REPORT OR THE FINAL EXPENDITURE REPORT FOR THE EVALUATION ACTIVITY.

ENTER DATA COMPLETED INTO THE PROGRAM INVENTORY AND KEEP A COPY IN YOUR FILE FOR ON-SITE REVIEW PURPOSES.

CERTIFICATION

I certify that the information submitted on this report is accurate and complete to the best of my knowledge.

PRESIDENT'S SIGNATURE Thomas Quinn DATE 8/1/17  
(Signature)

PROJECT EVALUATOR \_\_\_\_\_ DATE \_\_\_\_\_  
(Signature)

OCCUPATIONAL EDUCATION CONTACT PERSON Diana Lewis DATE 7/31/17  
(Signature)

## WELDING TECHNOLOGIES

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	546	561	879	1,142	1,227
Contact Hours	13,091	13,384	20,383	26,520	28,408
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.58	0.97	1.00	1.00	1.00
Overload FTE	0.08	0.00	0.00	0.00	0.00
PT Faculty FTE	1.49	1.26	1.94	2.68	2.71
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.50	0.33	0.50	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	6,089	6,002	6,933	7,207	7,657
<b>REVENUES</b>					
Tuition	\$79,622	\$86,140	\$137,948	\$186,670	\$241,007
Excess CH Fee	0	0	0	0	0
Course Fees	50,683	67,023	117,838	151,893	136,903
<b>TOTAL REVENUES</b>	<b>\$130,305</b>	<b>\$153,163</b>	<b>\$255,786</b>	<b>\$338,563</b>	<b>\$377,910</b>
Revenue/ Credit Hr	\$238.86	\$272.99	\$291.02	\$296.47	\$308.00
Revenue/ Contact Hr	\$9.95	\$11.44	\$12.55	\$12.77	\$13.30
<b>EXPENDITURES</b>					
FT Faculty	\$38,000	\$64,013	\$66,388	\$68,550	\$66,757
Overload	1,472	0	0	0	0
Preps, etc	600	600	0	0	0
PT Faculty - KCC	32,127	17,147	40,243	37,929	26,284
PT Faculty - EDUSTAFF	0	0	0	14,507	28,909
Independent Study	0	0	0	0	0
Paraprofessionals	25,675	17,326	38,009	0	49,753
Student Wages	0	0	0	13,111	0
Fringe Benefits	41,967	47,641	58,917	49,819	61,032
Classroom Supplies	39,167	34,807	35,496	41,804	49,437
Equipment	5,260	24,469	20,670	0	0
Other	3,630	8,045	10,670	10,857	11,368
<b>TOTAL EXPENDITURES</b>	<b>\$187,900</b>	<b>\$214,047</b>	<b>\$270,394</b>	<b>\$236,577</b>	<b>\$293,539</b>
Exps/ Credit Hr	\$344.43	\$381.50	\$307.64	\$207.16	\$239.23
Exps/ Contact Hr	\$14.35	\$15.99	\$13.27	\$8.92	\$10.33
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$105.57)	(\$108.52)	(\$16.62)	\$89.30	\$68.76
Contact Hour	(\$4.40)	(\$4.55)	(\$0.72)	\$3.85	\$2.97

# **Welding and Fabricating**

## **Faculty Meeting**

**Thursday, July 14<sup>th</sup>, 2016**

1. Introductions
2. Discussion on recent program improvements
  - a. Lab Restructure
  - b. New Equipment (Grant)
  - c. New processes
    - i. CNC Plasma
    - ii. Submerged Arc Welding
3. Program Objectives – Best Practices
4. Course Objectives – Best Practices
5. Classroom and Lab Procedures
6. Housekeeping and Safety
7. Canvas
  - a. Using Canvas in every course
    - i. Syllabi
    - ii. Assignments
    - iii. Grading
8. Lab Space Needs as we Grow
9. Team Teaching
10. Adjourn

WELDING DEPARTMENT MEETING  
JULY 12, 2016

Agenda:

- Overview of program objective
- Overview of course objectives
- Best practices for meeting those objectives
- Lab procedures
- New Equipment
- Housekeeping

Attending

David Smith 989 370-2426

Jeff Komondy 231-497-0200

Jason Brigham 989-745-1839

DAVID MULADORE 231-350-1624

Michael O'Neil 231-675-2146

Mark Michale 231-499-5945

Don Dyggar 989-390-9006

# Welding and Fabricating

Advisory Board Meeting

Thursday, November 10, 2016

5-7pm

1. Introductions
2. Discussion on recent program improvements
  - a. New Equipment (Grant)
  - b. New processes
    - i. CNC Plasma
    - ii. Submerged Arc Welding
3. Where do we go from here??
  - a. Any new or additional processes/techniques we need to add
  - b. Industry Trends
  - c. Enhance non-destructive testing skills? Add Ultrasound or Radiograph (x-ray)??  
Add Special Certificate??
  - d. Internship Sites
  - e. Other??

At Msee  
Miller/Lincoln  
Trailer  
Pellston  
Cheboygan

4. PROE Survey
5. Gears Summer Camps
6. Workforce Development

7. Laboratory Tour

- Employer came to talk to class

8. Adjourn

- Business after Hours

- Job fairs

- Hard to find field welders

- L & T layout  
- EJHS - satellite  
Lab - Welding class - ??  
Avail. ~~start~~ 3pm  
- Employees that can  
& show up on time  
on every day  
scheduled

- Add Mdot

- using  
Oxy to fab

- Need more space

# **Welding and Fabricating**

**Advisory Board Meeting**

**Thursday, November 5, 2015**

**5-6pm**

1. Introductions
2. Discussion on recent program improvements
  - a. Lab Restructure
  - b. New Equipment (Grant)
  - c. New processes
    - i. CNC Plasma
    - ii. Submerged Arc Welding
  - d. Removed Robotics from Welding Program
3. Where do we go from here??
  - a. Any new or additional processes/techniques we need to add
  - b. Enhance pipe welding skills? Add Special Certificate??
  - c. Enhance non-destructive testing skills? Add Ultrasound or Radiograph (x-ray)??  
Add Special Certificate??
  - d. Other??
4. Workforce Training Services – Erine Adams
5. Survey
6. Tour
7. Adjourn

	Last	Company	Address	City	State	Zip	Phone	Cell Phone	Area
First	Diller	3-D Precision Tool Inc.	2963 East Miller Rd.	Fairview	MI	48621	989-848-7211		MEC
Larry	Crutchfield	ABB Robotics	1250 Brown Rd.	Auburn Hills	MI	48326	248-941-4108	248-941-4108	robots
Partick	Lilak	Advance Electric	846 Carpenter	Gaylord	MI	49735	800-732-0242		ELT
Jim	Hamlin	Airgas	Engel Ave.	Gaylord	MI	49735	989-732-8051	2316316629 cell	WLD
Scott	Sheldon	Airway Automation	2268 Industrial St.	Grayling	MI	49738	989-710-0803	989-710-0803	MEC
Gary	Starkey	Airway Automation	2268 Industrial Dr.	Grayling	MI	49738	989-348-5176		MEC/CNC
Dave	Nash	AJD Forest Products	4440 W. 4 Mile Rd.	Grayling	MI	49738	989-348-5412 ext 151		MEC
Tony	Neff	AJD Forest Products	PO Box 629	Grayling	MI	49738	989-348-5412 ext 122		
Tim	Madye	Bayshore Steel	6336 US 31	Charlevoix	MI	49720	231-347-1160 ext 3304		WLD
Tony	Kromm	Bear River Electric	352 Creekside Drive	Petoskey	MI	49770	231-347-6311		ELT
Jason	Alma	Building 36	Camp Grayling	Grayling	MI	49739	989-344-6298		MEC
CPT Mike		Center Manufacturing	1444 E. Alexander Rd.	Vanderbilt	MI	49795	989-983-3381		
	Weiss	consultant							
Denny	Qasnock	Cooper Standard Automotive	2799 E. Miller Rd.	Fairview	MI	48621	989-848-2272 x315		
Larry	Pushman	Cooper Standard Automotive	594 Alpine Rd.	Gaylord	MI	49735	989-705-1056		ELT/CNC
Kris	Cronin	Cooper Standard Automotive	594 Alpine Rd.	Gaylord	MI	49735	989-732-0158		
Clay	Muladore	CPI Destaco	12501 Taylor Rd.	Charlevoix	MI	49720	231-547-6064		WLD/CNC
Dave		DCL Inc	8660 Ance Rd.	Charlevoix	MI	49720	231-547-5600 ext 3104		
Alec	Schorfhaar(sho- fire)	Demmer Corp	126 Fulton St.	Petoskey	MI	49770	231-347-1810		
Don	Jaronski	East Jordan Iron Works	301 Spring St.	East Jordan	MI	49727	231-536-0548		
Mike	Moore	Emmet County Electrical Inspector	3434 Harbor-Petoskey Rd Suite E	Harbor Springs	MI	49740	231-438-1735	C 2313400121	ELT
Eric	VanWormer	ESI Employment Services	PO Box 832	Alpena	MI	49707	989-358-5627		
Brian	Helzer	Family Plumbing, Heating & Air Condit	2852 D and M Dr.	Gaylord	MI	49735	989-732-8099		HVAC
Mark	Borowiak	Gaylord Refrigeration	3850 East M32	Gaylord	MI	49735	989-732-4511		HVAC
Mitch	Herzer	Great Lakes Pipe & Supply	901 Dickerson Rd.	Gaylord	MI	49735	989-732-5600		HVAC
Jim	Sheppard	H & H Tube	579 Garfield St.	Vanderbilt	MI	49795	989-983-2800		
Scott	Scott	Honeywell	375 N. Lake Street	Boyne City	MI	49712	231-582-6526		
Jason	Jaskowski	Honeywell	375 N. Lake Street	Boyne City	MI	49712	231-582-6526		WLD
Kevin	Brigham	IMM	758 Isenhauer Rd.	Grayling	MI	49738	989-390-3952		WLD
Jason	House	Industrial Magnetics	1385 Michigan 75	Boyne City	MI	49712	231-582-3100		MEC
Casey	Lacost	Jervis B Webb Co.	8212 Michigan 119	Harbor Springs	MI	49740	231-347-3931 ext 3147		ELT/MEC/V
Mike	Kowatch	JLK Engineering	5766 Catawaba	Gaylord	MI	49735	989-448-4631	989-614-4225	HVAC Eng
Justin	Yankus	L.A.Y. & Company	620 Parkway	West Branch	MI		989-345-0549		
Kevin	Cattaneo	Lakeview Tool	696 Alpine Rd.	Gaylord	MI	49735	989-732-6417		CNC
Jerry	Busby	Lear	10161 N. Roscommon Rd.	Roscommon	MI	48653	989-275-5141		MEC/ELT
Mark	Kato	Lear	10161 N. Roscommon Rd.	Roscommon	MI	48653	989-275-5141		HR/Apprer
Joel	Erndt	Lexamar Corporation	100 Lexamar Dr.	Boyne City	MI	49712	231-582-3163 ext202		
Mark	Sumner	Lincoln Electric	3749 Broadmoor Ave SE Ste B	Grand Rapids	MI	49512	616-293-6704		WLD
Craig	Veyser	Link Industries	2208 South Straits Highway	Indian River	MI	49749	231-238-9012		
Jeff	Weaver	Metalfab manufacturing	378 Booth Rd.	Mio	MI	48647	989-826-2301		MEC/CNC
Jim	Yoder	Metalfab manufacturing	378 Booth Rd.	Mio	MI	48647	989-826-2301		