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**KYFAM**  
KENTUCKY FEDERATION FOR ADVANCED  
MANUFACTURING EDUCATION

## Gateway's AMWDC Update

- Recruitment & Marketing
- Enrollment in the Manufacturing Pipeline
- Apprenticeships
- Response to Demand-Side of NKIP Data
- Transfer to NKU
- Technical and Soft Skill Training



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# Recruitment and Marketing

## Abbreviated List of Recruitment Events

- Manufacturing Day and Manufacturing Expo events
- Presentations at schools, CBO's, KY Career Center
- NaviGo Partnership
- Relationships with GRAD Cincinnati, Jobs for Cincy GRADS
- Meetings with school administrators to promote apprenticeship and dual credit
- Meeting with companies to promote apprenticeship
- Raise the Floor recruitment workshops and events
- Promote manufacturing at college and career fairs
- STEM Days for high school educators/counselors
- Manufacturing summer camps for middle and high school students





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# Recruitment and Marketing



AMWDC Marketing
Provided \$80,000 in 2015 for Coalition marketing
Created and maintained initial web page for Coalition
Designed & provided collateral print materials

STEM Days			
	Students	Schools	Companies
2012-2013	319	13	7
2013-2014	721	17	10
2014-2015	200	9	7
2015-2016	227	12	6



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# Enrollment/Graduates of Manufacturing Programs

Manufacturing Program Enrollment	Fall 2013	Fall 2014	Fall 2015	Fall 2016
Computerized Manufacturing & Machining	67 (33)	74 (46)	53 (33)	52 (26)
Electrical Technology	79 (52)	82 (63)	51 (40)	56 (45)
Industrial Maintenance Technology	42 (32)	55 (49)	71 (65)	99 (88)
Manufacturing Engineering Technology	108 (90)	119 (101)	143 (134)	118 (113)
Welding Technology	78 (53)	76 (53)	55 (35)	65 (32)
<b>Total Enrollment in Manufacturing Programs</b>	<b>374</b>	<b>406</b>	<b>373</b>	<b>390</b>

Program enrollment is determined by academic declaration. Degree seekers are provided in parentheses.

Graduates of Manufacturing Programs	
2013-14	74
2014-15	152
2015-16	183



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# Current Apprenticeships

## Customized Companies

Addition Manufacturing  
 Anchor Glass  
 Eagle Manufacturing  
 Fives  
 Graham Packaging  
 HAHN Automation  
 Johnson Controls  
 CVG Airport  
 Mauer  
 Mazak  
 Mubea  
 Novolex  
 Omni Technologies

Manufacturing Program	Fall 2016
Computerized Manufacturing and Machining	52 <b>11 Apprentices</b>
Electrical Technology	56 <b>4 Apprentices</b>
Industrial Maintenance Technology	99 <b>54 Apprentices</b>
Manufacturing Engineering Technology	118 <b>66 Apprentices</b>
Welding Technology	65 <b>0 Apprentices</b>
<b>Total Enrollment in Manufacturing Programs</b>	<b>390 135 Apprentices</b>

## FAME Companies

Bosch  
 DSC  
 Eagle  
 HAHN  
 Krauss Maffei  
 L'Oreal  
 Mubea  
 Nucor  
 Perfetti Van Melle  
 Safran  
 Skilcraft  
 Stober Drives  
 ZoteFoams

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# Programs in Response to NKIP Report

## Training Programs

NKY FAME 2015-2016	
Fall 2015	24
Fall 2016	25
Fall 2017	15

## New Populations

Raise the Floor Student Numbers 2014-2016	
Students Enrolled	77
Completed & Working in Manufacturing	33
Students in Progress	9
Received Scholarships	34
Employed in Other Sector	18

## Enhanced Operator Student Numbers 2016

Students Enrolled	91
Completed & Working in Manufacturing	47
Students In Progress	30
Received Scholarships	34
Dual Credit	14

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# Enhanced Operator

## Customized Program Created with Employers

### Credit-Hour Education

- Based on seat time
- Regimented pace
- Pre-determined curriculum
- Prior learning not considered



### Competency-Based Education

- Based on skill mastery
- Self-paced
- Customized Curriculum
- Prior learning accepted

### From a list of courses...

Traditional credit-hour proposal

25 credit hours

\$5,000.00



### To a list of skills...

Competency-based proposal

16 weeks

\$2,300.00

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Gateway Credentials 3 Years
Associate Degrees
Manufacturing Engineering Technology AAS and AS Degrees
Certificates
Operations Management
Mechatronics
Electrical Trainee Level I
Yellow Belt Six Sigma



NKU Credential 1.5 Years
Bachelor Degree
Mechanical and Manufacturing Engineering Technology Degrees BS Degree

Two Degrees, One Path

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# Incumbent Worker Training

## Manufacturing Credit and Noncredit Training

	Number of Companies	Technical			Performance		
		Number of Classes	Number of Instructional Hours	Headcount	Number of Classes	Number of Instructional Hours	Headcount
2013-2014	35	56	1793	484	86	445	931
2014-2015	28	48	1416	537	59	371	891
2015-2016	21	60	1913	627	31	236	349

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