

Industrial Maintenance Technician

Wisconsin Indianhead Technical College 32-462-1 Two-Year Technical Degree

2019 Program Review

ACADEMIC PROGRAM REVIEW PROFILE

Program Number & Name: 32-462-1 Industrial Maintenance Technician			
Program Academic or Assistant Dean	Title and Location	Phone and e-mail	
Nancy Cerritos	Dean, Academic Programming	Ext.4270 nancy.cerritos@witc.edu	
Team Lead(s)	Title and Location	Phone and e-mail	
Brian Parenteau	IMT instructor	800-243-9484	
		Brian.parenteau@witc.edu	
Team Members	Title and Location	Phone and e-mail	
Aleasha Hladilek	Welding instructor	Ext. 6426	
1 11000210 1110011011		Aleasha.hladilek@witc.edu	
Alison Moffat	Communications Faculty	Ext. 6318	
		Alison.moffat@witc.edu	
Elijah Volz	Current student	715-520-0742	
		Elijahvolz37@gmail.com	
Lucas Hagberg	WITC graduate		
Nick Johnston		218-341-5464	
		Nick.johnston@jbwconsult.com	
Steve Studniski	Sappi, Inc.	218-878-4225	
		Steve.studniski@sappi.com	
Esther Prochaska	2 nd yr student	218-940-0534	
		prochaskae@my.witc.edu	

^{**}If you have more than 8 team members, right click within the member table above and choose insert row above or below.

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Required Elements: Analysis of trends from						
Program Effectiveness Data Pr	ofile, Analysis	of				
results of previous program im	provement plan	ıs,				
Progress/results of TSA (included)	ding program &	Z				
employability essentials)	employability essentials)					
Choose from a minimum of	Academic Advising					
2 of the following other areas	ET .					
to study	Accredita	ition/Na	tional or State Standards, Regulations,			
	Compliance					
	Advisory Committees					
		ent of St	tudent Learning			
	•	g Effici	encies/Costs per FTE			
		utlook/I	Future Occupational Trends			
	Career Pa	ıthways				
		ition/Pa	rtnerships			
		m Curr	ency/modifications			
		Method	s/Distribution of Offerings/Scheduling			
	Dual Enro	ollment				
	Equipmen	nt				
	Facilities					
	•	redenti	aling/Development Needs			
	Online/Te	echnolo	gy			
	Recruitm	ent				
	Other					
Program Information:						
Capacity (new students admitte	ed/year):		16			
Number of Faculty:	FT: 1		PT:□			
Statewide Curriculum:	Yes:		No:			
Program Accredited by:		N/A				
Date of Last Accreditation		N/A				
Date of Next Accreditation		N/A				
Is a visit required? If so, when is the next		N/A				
visit?						
Program Licensed by:						
Date of Last Licensing:		N/A				
Date of Next Licensing:		N/A				
Is a visit required? If so, when	is the next	N/A				
visit?						

Please list other program and individual association and organizational memberships:

SELF-STUDY CATEGORY RESULTS

Program and Category				
Program: Industrial Ma	Program: Industrial Maintenance Technician			
Category: Analysis of Trends from Program Data Profile				
Resources Contact(s) for	r this Category:			
number on waiting · Fall and spring s	tisfaction: 100% 006-2007 applicants and high g list tarts igh even if graduate	Opportunities General Education course completion is lower than Technical course completion (especially Human Relations) Strengthen liberal arts transfer opportunities for Nicolet (curriculum) More pathway options (curriculum) Individualized Technical Studies (ITS) (curriculum) Increase graduates employed in related field (re-word the question? i.e., how many skills do you use in your current job?) Increase number of graduate respondents Expand the program to include two instructors and open up seats Review Print Reading textbook (curriculum)		
		Pathway into an AAS degree (curriculum) Increase recruitment efforts in high schools.		
choose insert row above of	or below.	cunities, right click within the table above and		
What items in this category MUST be addressed on our improvement plan?	 General Education course completion is lower than Technical course completion; increase completion rate by 10%. Work with graduate survey person to improve 2 graduate survey questions relating to re-wording the question about working in a related field and question about working in a related field 			
What items in this category MIGHT be	· Increase rec	eruitment efforts in high schools from 0 to 2		

addressed on the improvement plan?			
Team Rating Please indicate by an (X) the team rating of your program on this category.			
All areas need improvement	Some areas meet expectations, but most areas need improvement	All areas meet expectations —few areas need improvement	Exemplary—all areas exceed expectations—use as a model for other programs
		\S	
Additional Comments:(optional)			

SELF-STUDY CATEGORY RESULTS

Program and Category				
Program: Industrial Maintenance Program				
Category: Analysis of re	esults of previous pro	gram improvement plans		
Resources Contact(s) fo	r this Category:			
Streng	ths	Opportunities		
· Improve degree percentage by 109		· Create and implement equipment purchase and maintenance plan		
**If you have more than 8 strengths and opportunities, right click within the table above and choose insert row above or below.				
What items in this category MUST be addressed on our improvement plan?	Create and implemen	at equipment purchase and maintenance plan		
What items in this category MIGHT be addressed on the improvement plan?				

	Team Rating				
i	Please indicate by an (X) the team rating of your program on this category.				
	Some areas meet All areas need improvement Some areas meet expectations, but most areas need improvement All areas meet expectations—few areas need improvement areas need improvement programs				
			>		
	Additional Comments:(optional)			

SELF-STUDY CATEGORY RESULTS **Program and Category Program: Industrial Maintenance Program** Category: Progress/results of TSA **Resources Contact(s) for this Category: Strengths Opportunities** · Implemented, running, and collecting · Explore creating a data from TSA certificate/portfolio using the TSA skills for graduates to show potential employers (collaborate with Communications instructors to create a TSA reflective portfolio) · Emphasize Employability Essentials (promptness, safety, accountability, etc.) **If you have more than 8 strengths and opportunities, right click within the table above and choose insert row above or below. What items in this category MUST be · Explore creating a certificate/portfolio using the TSA addressed on our skills for graduates to show potential employers improvement plan? (collaborate with Communications instructors to create a TSA reflective portfolio) · Implement all Employability Essentials skills (promptness, safety, accountability, etc.) What items in this category MIGHT be

addressed on the improvement plan?				
Team Rating Please indicate by an (\mathbf{X}) the team rating of your program on this category.				
All areas need improvement	Some areas meet expectations, but most areas need improvement	All areas meet expectations —few areas need improvement	Exemplary—all areas exceed expectations—use as a model for other programs	
		\		
Additional Comments:(optional)				
Enter text.				

SELF-STUDY CATEGORY RESULTS

SELF-STUDY CATEGORY RESULTS			
Program and Category			
Program: Industrial Maintenance Technician			
Category: Curriculum Currency/Modifications			
Resources Contact(s) for this Category:			
Strengths	Opportunities		
 Student satisfaction is consistently high. Fall and spring semester start options are working well. Variety of program content is well-received by employers. Students are taught to be trained; flexible and willing to learn. 	 Strengthen liberal arts transfer opportunities for Nicolet More pathway options Individualized Technical Studies (ITS) Review Print Reading textbook Pathway into an AAS degree Explore CNC simulation software Expand continuing education, additional credits, specialized coursework, and customized training offerings for regional industries (second instructor? Bring in specialized trainers as adjuncts? NFPA?) Expand coursework to explore theory of reliability and predictive maintenance on an advanced level in a 2-credit course (increase total credits to 60). 		

	Some areas meet	All areas meet expectations —few	<u>Exemplary</u> —all areas exceed
Please indicate	Team R by an (X) the team ratin	<u> </u>	this category.
What items in this category MIGHT be addressed on the improvement plan?	· Expand coursework to explore theory of reliability and predictive maintenance on an advanced level in a 2-credit course (increase total credits to 60). · Investigate pathway into an AAS degree		
Choose insert row above What items in this category MUST be addressed on our improvement plan?	education, additional customized train specialized train employers to get doing training in Review all text	ional credits, specialized sing offerings(second in ers as adjuncts? NFPA t feedback on their needla-house currently). The books using student in tructors at state-called	nstructor? Bring in ?). Meet with 5 ds (employers are aput and feedback from

SELF-STUDY CATEGORY RESULTS

Program and Category

Program: Industrial Maintenance Technician

Category: Equipment/Facilities			
Resources Contact(s) for			
Strengt	hs	Opportunities	
· Overall shop layout in 141 meets the needs of the program. · Lab features a variety of equipment.		 Explore consolidated class area and expanding into room 142 for student safety, increasing efficiency, loading/unloading access, and instructor supervision (keep air exchange in mind; preference is recycled air). Investigate Industry 4.0/NC3 certification. Add more varied, relevant, possibly used equipment that students will see in industry. Develop recommended tool list for incoming students; Snap-On tool show? Purchase thermal imaging and vibration analysis equipment for the program. 	
addressed on our improvement plan? 142 for studer loading/unloa air exchange in phased-in app · Add more vastudents will sannual budget \$7,500 in repart (includes part · Develop reconstructions).		solidated class area and expanding into room at safety, increasing efficiency, ding access, and instructor supervision (keep in mind; preference is recycled air). Utilize a broach. aried, relevant, possibly used equipment that see in industry (initial investment of \$50,000; to \$10,000 to \$15,000 recommended). air costs for lathes in the next twelve months and labor). commended tool list for incoming students; show? ermal imaging and vibration analysis	
What items in this category MIGHT be addressed on the improvement plan?			
	Team R	Rating	

Please indicate by an (X) the team rating of your program on this category.				
All areas need improvement	Some areas meet expectations, but most areas need improvement	All areas meet expectations —few areas need improvement	Exemplary—all areas exceed expectations—use as a model for other programs	
	V			
Additional Comments (optional): See addenda with proposed layout and recommended tool list.				
Enter text.				

PROGRAM:	Industrial Maintenance Technician		
Defined Outcome	Increase General Education completion rate by 10% from 77% to 87% (Research and Data)		
answer below	measure whether or not the outcome has	• ,	
Our research and data	information will show an increase of 109	%	
	tems & Person(s) Responsible: (Damian VonFrank, Ted May)	Timeline & Resources: Example: 1) Fall 2018 – Need IT time to implement	
Program instructor to collaborate with General Studies instructors to create joint assignments		Fall 2020-Spring 2022- General Studies instructors	
Program instructor to assist General Studies instructors to contextualize their assignments		Fall 2020-Spring 2022- General Studies instructors	
Program Instructor to work with ASC faculty to teach study skills within the program courses		Fall 2020- Spring 2022- ASC Instructors and AS Director	
**If you have more than 8	action items, right click within the table above a	nd choose insert row above or below.	
Divisional Dean Com	iments:		
☑ I approve this pl	an.		
Vice President Comm	nents:		
☐ I approve this pl	an		

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•	ethod. Due to the many required hours instructors and staff spent	
	very modes, college leadership held requirement of the 6-month due June 1, 2020. Program review updates will next be required	
of this program in January 2021."	ade saile 1, 2020. I Togram Teview apaates will heat be required	
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VP, Academic Affairs Comments:

PROGRAM:	Industrial Maintenance Technician		
Defined Outcome	Increase General Studies course completion by 10% from 77% to 87%		
Metric (How will you measure whether or not the outcome has been attained successfully?) *Enter answer below			
using perkins data 1P2 move from 77%-87%			
Action Plan/Action Items & Person(s) Responsible: Example: 1) Action Item #1 (Damian VonFrank, Ted May)		Timeline & Resources: Example: 1) Fall 2018 – Need IT time to implement	
Instructor to work with General studies instructor to create collaborative, contextualized dual assignments with credit in both programs		General Studies instructors Fall 2020-Fall 2021	

Instructor to invite ASC instructors into classroom to conduct mini-workshops on Study skills		ASC instructors Fall 2020-Fall 2021
**If you have more than 8 action items, right	nt click within the table above and	d choose insert row above or below.
Divisional Dean Comments:		
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I approve this plan.		
Vice President Comments:		
I approve this plan		
Note: (A mid-year and year-end upd	ate will be required each ye	ear during implementation.)
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moved to an alternative delivery method. Due to the many required hours instructors and staff spent		
moving curriculum to alternate delivery modes, college leadership held requirement of the 6-month		
academic program review updates due June 1, 2020. Program review updates will next be required of this program in January 2021."		
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VP, Academic Affairs Comments:

PROGRAM:	Industrial Maintenance Technician
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Defined Outcome	Increase em	rollment to 20 students	
Metric (How will you measure whether or not the outcome has been attained successfully?) *Enter answer below			
we will reach our IE da	ıta number of	20 students	
Action Plan/Action Items & Person(s) Responsible: Example: 1) Action Item #1 (Damian VonFrank, Ted May)		Timeline & Resources: Example: 1) Fall 2018 – Need IT time to implement	
explore program modification/expansion to a traditional program		fall 2020- fall 2021	
block schedule to allow	v part time stu	dents	Spring 2020- spring 2021
**If you have more than 8	action items righ	at click within the table above	e and choose insert row above or below.
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Vice President Comme	ents:		
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Note: (A mid-year and	Note: (A mid-year and year-end update will be required each year during implementation.)		
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moving curriculum to alternate delivery modes, college leadership held requirement of the 6-month			
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VP, Academic Affairs Comments:			

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VP, Academic Affairs Comments:

PROGRAM:	Industrial Mair	Industrial Maintenance Technician		
Defined Outcome				
Metric (How will you measure whether or not the outcome has been attained successfully?) *Enter answer below				
Action Plan/Action Items & Person (Example: 1) Action Item #1 (Damian VonFr		, <u>.</u>	Timeline & Resources: Example: 1) Fall 2018 – Need IT time to implement	
**If you have more than 8	action items, right	click within the table	above and choose insert row above or below.	
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