

Program Scorecard 2015-2016
Electromechanical Technology 10-620-1

Student Demographics	2015 16		2014 15		2013 14	
	Num	Pct	Num	Pct	Num	Pct
Full-Time	61	80.2%	60	74.0%	63	80.7%
Part-Time	15	19.7%	21	25.9%	15	19.2%
Disabilities	2	2.6%	3	3.7%	3	3.8%
Minorities	9	11.8%	7	8.6%	6	7.6%
Financial Aid	52	65.8%	48	57.8%	48	59.2%
Male	73	96.0%	76	93.8%	75	96.1%
Female	3	3.9%	5	6.1%	3	3.8%
Mean Age	30		28		28	
Median Age	28		26		28	
Mode Age	20		19		23	
Bias per WTCS (NTO)	Female		Female		Female	
Total Program Students	76		81		78	
Total Pre-Program Students	3		2		3	

Note: Demographics include program students only, with exception of financial aid.

Student Interest	2015 16	2014 15	2013 14	2012 13	2011 12
New Program Students	38	42	44	41	51
Capacity	48	48	48	48	48
Percent Capacity	79.2%	87.5%	91.7%	85.4%	106.3%
Percent Capacity	Target: 100%	Threshold: 58.8%			
Wait List	0	6	6	0	17

Graduate Placement	2015 16	2014 15	2013 14	2012 13	2011 12
Graduates	21	23	20	20	20
Regional Job Openings	66	105	44	46	21
Jobs per Graduate	3.1	4.6	2.2	2.3	1.1
Employed Related	N/A	88.2%	93.7%	93.7%	88.2%
Employed Related	Target: 100%	Threshold: 64.8%			
Seeking Employment	N/A	11.7%	0.0%	0.0%	0.0%
Continuing Education	N/A	0.0%	5.8%	0.0%	5.5%
Survey Response Rate	N/A	73.9%	85.0%	85.0%	90.0%

Graduate Wages	2015 16	2014 15	2013 14	2012 13	2011 12
Graduate Median Wage	N/A	\$50,952	\$51,156	\$42,024	\$45,576
Cluster Median (Grad.)	N/A	\$47,412	\$40,548	\$40,500	\$41,484
Rgnl Entry Level Wage	\$37,544	\$42,349	\$39,374	\$38,834	\$37,544

Note: Tips, commissions, live-in provisions, or annual bonuses may not be reported. The regional (CVTC's 11-county district) entry-level wage is based on EMSI's 25th percentile hourly wage, multiplied by 2,080 hours. Prior to 2015-16, the regional median wage was reported.

Student Success

Graduation Rates	Cohort Year					Target	Thrshld	Nat'l Bnchmrk
	12-13	11-12	10-11	9-10	8-9			
150% Cohort Grad Rate	51.2%	59.6%	64.2%	64.2%	60.0%	70.0%	31.0%	37.5%
200% Cohort Grad Rate	N/A	63.4%	67.8%	67.8%	60.0%	77.0%	28.0%	N/A

Retention Rates	Academic Year					Target	Thrshld	Nat'l Bnchmrk
	15-16	14-15	13-14	12-13	11-12			
Fall-to-Fall	73.6%	70.7%	71.0%	78.1%	73.5%	79.0%	45.0%	48.2%
Core Course Retention/Success								
Retention Rate	99.7%	96.2%	98.5%	98.3%	98.3%	100.0%	86.0%	91.6%
Enrollee Success Rate	87.5%	85.0%	86.8%	89.5%	81.6%	100.0%	78.0%	76.5%
General Education Course Retention/Success								
Retention Rate	94.7%	92.9%	92.1%	96.7%	93.1%	100.0%	88.0%	89.3%
Enrollee Success Rate	70.6%	72.9%	69.2%	78.6%	75.3%	94.0%	67.0%	64.7%
Related Course Retention/Success								
Retention Rate	100.0%	95.4%	98.9%	97.3%	97.5%	100.0%	84.0%	N/A
Enrollee Success Rate	86.5%	89.3%	87.8%	87.6%	85.5%	99.0%	67.0%	N/A

Technical Skills Attainment	15-16	14-15	13-14	12-13	11-12	Current WTCS TSA Phase
Assessed- Passed						Phase III- Implemented
Assessed- Not Passed						
Not Assessed						

Student Surveys	15-16	14-15	13-14	12-13	CVTC	Nat'l Bnchmrk	NCCBP Percentile
SSI- Instructional Effectiveness by Program (Scale 1-7)		5.8		5.8	6.0	5.6	96%
CCSSE-Active & Collaborative Learning by Cluster (Scale 1-4)	2.20		2.27		2.25	2.12	88%

Career Cluster
Manufacturing

Electromechanical Technology - 2016 Course Success

Delivery Method	Success Rate
Face-to-Face	80%
Online	68%
Interactive Television	100%

	Successful	Unsuccessful	Withdraw	Total	Success Rate
106201 - Electromechanical Technology	548	105	33	686	80%
10-420-190 MACHINE TOOL PROCESSES	22	2		24	92%
Face-to-Face	22	2		24	92%
10-605-107 BASIC ELECTRONICS	25	7	3	35	71%
Face-to-Face	25	7	3	35	71%
10-605-108 DEVICES & DIGITAL	19	2	1	22	86%
Face-to-Face	19	2	1	22	86%
10-605-109 INDUSTRIAL COMPUTER TECHNOLOGY	14	3	1	18	78%
Face-to-Face	14	3	1	18	78%
10-605-152 SCADA CONCEPTS	24	2		26	92%
Face-to-Face	24	2		26	92%
10-606-161 CAD, BASIC	2	0		2	100%
Face-to-Face	2	0		2	100%
10-606-185 BLUEPRINT READING	19	1		20	95%
Face-to-Face	19	1		20	95%
10-612-101 RELATED FLUID POWER	24	9	3	36	67%
Face-to-Face	24	9	3	36	67%
10-620-101 AUTOMATED PROCESSES	18	6	3	27	67%
Face-to-Face	18	6	3	27	67%
10-620-135 PLC INTRODUCTION	23	2	1	26	88%
Face-to-Face	23	2	1	26	88%
10-620-136 PLC APPLICATIONS	22	2	1	25	88%
Face-to-Face	22	2	1	25	88%
10-620-144 APPLIED EM MACHINE PRINCIPLES	22	2	1	25	88%

Face-to-Face	22	2	1	25	88%
10-620-145 INDUSTRIAL ROBOTICS SYSTEMS	22	1		23	96%
Face-to-Face	22	1		23	96%
10-620-146 MACHINE TROUBLESHOOTING TECH	24	1		25	96%
Face-to-Face	24	1		25	96%
10-620-147 CONTROL APPLICATIONS	24	1		25	96%
Face-to-Face	24	1		25	96%
10-620-148 EM SYSTEM INTERFACING	24	2		26	92%
Face-to-Face	24	2		26	92%
10-620-150 INSTRUMENTATION	23	4		27	85%
Face-to-Face	23	4		27	85%
10-620-155 INDUSTRIAL ELECTRONICS I	29	9	3	41	71%
Face-to-Face	29	9	3	41	71%
10-620-156 INDUSTRIAL ELECTRONICS II	18	3	1	22	82%
Face-to-Face	18	3	1	22	82%
10-620-158 SENSORS	22	2		24	92%
Face-to-Face	22	2		24	92%
10-620-191 MOTION CONTROL APPLICATIONS	23	1		24	96%
Face-to-Face	23	1		24	96%
10-620-193 ELECTRONIC SOFTWARE APPLIC	20	12	3	35	57%
Face-to-Face	20	12	3	35	57%
10-625-160 CORE MANUFACTURING SKILLS	4	0		4	100%
Face-to-Face	4	0		4	100%
10-801-136 ENGLISH COMPOSITION 1	14	9	2	25	56%
Face-to-Face	14	8	2	24	58%
Online	0	1		1	0%
10-801-197 TECHNICAL REPORTING	13	2	1	16	81%
Face-to-Face	7	1		8	88%
Online	6	1	1	8	75%
10-804-113 COLLEGE TECHNICAL MATH 1A	11	7	8	26	42%
Face-to-Face	11	7	8	26	42%
10-804-114 COLLEGE TECHNICAL MATH 1B	9	1		10	90%
Face-to-Face	9	1		10	90%

10-806-154 GENERAL PHYSICS 1	16	2		18	89%
Face-to-Face	16	2		18	89%
10-809-195 ECONOMICS	12	7		19	63%
Face-to-Face	3	4		7	43%
Online	8	3		11	73%
Interactive Television	1	0		1	100%
10-809-199 PSYCHOLOGY OF HUMAN RELATIONS	6	3	1	10	60%
Face-to-Face	5	2	1	8	63%
Online	1	1		2	50%