

Program Scorecard 2019-2020

Automation Engineering Technology 10-664-1

Student Demographics	2019-20		2018-19		2017-18	
	Number	Percent	Number	Percent	Number	Percent
Full-Time	65	78%	69	76%	51	72%
Part-Time	18	22%	22	24%	20	28%
Disabilities	5	6%	4	4%	0	0%
Minorities	9	11%	12	13%	8	11%
Financial Aid	43	50%	48	52%	39	54%
Male	78	94%	86	95%	71	100%
Female	5	6%	5	5%	0	0%
Mean Age	31		27		27	
Median Age	27		25		24	
Mode Age	19		20		19	
Bias per WTCS (NTO)	None		None		None	
Total Program Students	83		91		71	
Total Pre-Program Students	3		1		1	

NOTE: Demographics include program students only, with the exception of financial aid

Student Interest	2019-20	2018-19	2017-18	2016-17	2015-16
New Accepted Students	36	50	36	43	38
Capacity	47	50	51	67	48
Percent Capacity	77%	100%	71%	64%	79%
FTEs	59	80	65	63.5	61.2
Fall/Spring Waitlist	0	0	0	1	0

Graduate Placement	2019-20	2018-19	2017-18	2016-17	2015-16
Graduates	25	28	22	13	21
Employed in Related Field	NA	90%	100%	100%	100%
Seeking Employment	NA	0%	13%	0%	0%
Continuing Education	NA	29%	27%	9%	0%
Survey Response Rate	NA	52%	48%	85%	52%

Wages & Openings	2018-19
CVTC Graduate Average Hourly Wage	\$25.61
CVTC Graduate Average Yearly Wage	\$54,586
Regional Entry Level Yearly Wage	\$36,333
Regional Job Openings	90

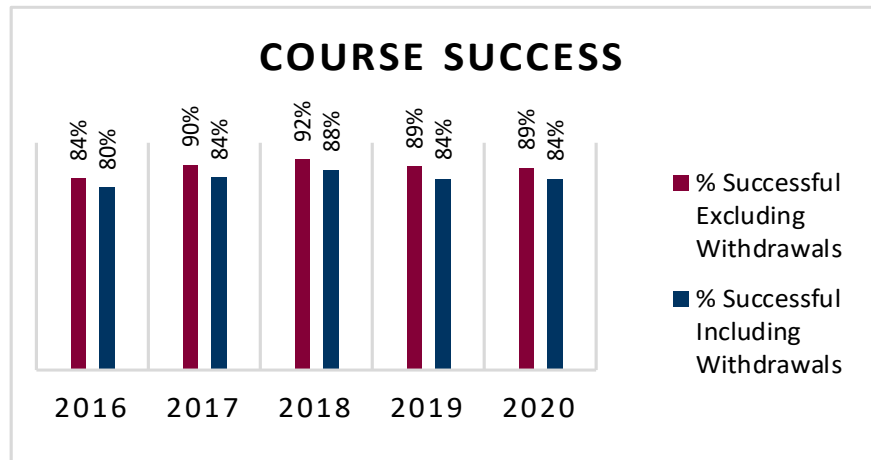
CVTC Key Performance Indicator Goals		
	Goal	Actual
Graduation within 3 years	55%	40%
Job Related Placement	90%	86%
Aidable FTEs	3,984	3,879

Graduation Rates	Cohort Year					Program Target	WTCS
	2017-18	2016-17	2015-16	2014-15	2013-14		
Graduation within 3 Years	61%	49%	38%	56%	33%	47%	25%
Graduation within 4 Years	NA	53%	40%	56%	33%	48%	29%

Retention Rates	Academic Year					Program Target
	Fall 2019 to Fall 2020	Fall 2018 to Fall 2019	Fall 2017 to Fall 2018	Fall 2016 to Fall 2017	Fall 2015 to Fall 2016	
Fall-to-Fall Retention	67%	68%	81%	68%	64%	77%
Core Courses	2019-20	2018-19	2017-18	2016-17	2015-16	
Course Success Rate	86%	0%	89%	89%	88%	64%
Withdraw Rate	3%	0%	5%	5%	0%	NA
General Education Courses	2019-20	2018-19	2017-18	2016-17	2015-16	
Course Success Rate	79%	79%	79%	82%	65%	85%
Withdraw Rate	8%	6%	7%	6%	10%	NA

Technical Skills Attainment	2019-20	2018-19	2017-18	2016-17	2015-16
Met	9	29	15	0	0
Not Met	0	0	2	0	0
Not Assessed	18	0	9	0	0

Student Surveys	2019-20	2018-19	2017-18	2016-17	CVTC
SSI- Instructional Effectiveness by Program (scale of 1 to 7)		6.2		6.5	6.3
CCSSE- Active & Collaborative Learning by Cluster (scale of 1 to 4)			2.2		2.4



CVTC Course Success Goal: 80%

CAREER CLUSTER
Manufacturing

**Automation Engineering Technology (10-664-1)
2019-20 Course Success**

Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
Blended (less than 50% online)	8	3	2	13	73%	62%
Face-to-Face	518	55	27	600	90%	86%
Faculty Enhanced	16	5	5	26	76%	62%
Hybrid (50% or more online)	23	4	0	27	85%	85%
MyChoice	1	1	0	2	50%	50%
Online	43	8	8	59	84%	73%
Telepresence	1	0	1	2	100%	50%
Grand Total	610	76	43	729	89%	84%

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
001-181 Beyond Beekeeping	1	0	0	1	100%	100%
Face-to-Face	1	0	0	1	100%	100%
103-102 Microsoft Office Suite	2	0	0	2	100%	100%
Face-to-Face	1	0	0	1	100%	100%
Online	1	0	0	1	100%	100%
114-134 Personal Financial Planning	1	0	0	1	100%	100%
Face-to-Face	1	0	0	1	100%	100%
419-116 Basic Hydraulics	0	0	1	1		0%
Face-to-Face	0	0	1	1		0%
419-117 Basic Pneumatics	0	0	1	1		0%
Face-to-Face	0	0	1	1		0%
442-120 Related Welding-Indust Mech	3	0	1	4	100%	75%
Face-to-Face	3	0	1	4	100%	75%
462-111 Mechanical Concepts	0	0	1	1		0%
Face-to-Face	0	0	1	1		0%
462-115 Industrial PC Network Concepts	0	0	1	1		0%
Face-to-Face	0	0	1	1		0%
462-119 Industrial Mechanical Skills	0	0	1	1		0%
Face-to-Face	0	0	1	1		0%

**Automation Engineering Technology (10-664-1)
2019-20 Course Success**

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
462-130 Mfg Prints & Networks	0	0	1	1		0%
Face-to-Face	0	0	1	1		0%
605-107 Basic Electronics with Digital	29	5	2	36	85%	81%
Face-to-Face	29	5	2	36	85%	81%
605-108 Devices and Digital	10	0	0	10	100%	100%
Face-to-Face	10	0	0	10	100%	100%
605-108 Electronic Control Devices	18	0	1	19	100%	95%
Face-to-Face	18	0	1	19	100%	95%
605-109 Industrial Internet of Things	19	4	2	25	83%	76%
Blended (less than 50% online)	4	3	2	9	57%	44%
Hybrid (50% or more online)	15	1	0	16	94%	94%
605-152 SCADA Concepts	26	1	0	27	96%	96%
Face-to-Face	26	1	0	27	96%	96%
606-131 Solid Modeling 2	0	0	1	1		0%
Online	0	0	1	1		0%
606-161 CAD, Basic	1	0	0	1	100%	100%
MyChoice	1	0	0	1	100%	100%
606-185 Blueprint Reading	30	6	2	38	83%	79%
Online	30	6	2	38	83%	79%
612-101 Related Fluid Power	29	7	3	39	81%	74%
Face-to-Face	29	7	3	39	81%	74%
620-101 Automated Processes	29	5	0	34	85%	85%
Face-to-Face	29	5	0	34	85%	85%
620-135 PLC Introduction	23	3	2	28	88%	82%
Face-to-Face	23	3	2	28	88%	82%
620-136 PLC Applications	22	2	1	25	92%	88%
Face-to-Face	22	2	1	25	92%	88%
620-144 Applied EM Machine Principles	28	0	1	29	100%	97%
Face-to-Face	28	0	1	29	100%	97%
620-145 Industrial Robotics Systems	21	3	1	25	88%	84%
Face-to-Face	21	3	1	25	88%	84%

**Automation Engineering Technology (10-664-1)
2019-20 Course Success**

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
620-146 Machine Troubleshooting Tech	26	0	0	26	100%	100%
Face-to-Face	26	0	0	26	100%	100%
620-147 Control Applications	26	1	0	27	96%	96%
Face-to-Face	26	1	0	27	96%	96%
620-148 Automated Systems Interfacing	28	0	0	28	100%	100%
Face-to-Face	28	0	0	28	100%	100%
620-150 Instrumentation	23	2	0	25	92%	92%
Face-to-Face	23	2	0	25	92%	92%
620-155 Industrial Electronics I	27	8	2	37	77%	73%
Face-to-Face	27	8	2	37	77%	73%
620-156 Industrial Electronics II	22	3	1	26	88%	85%
Face-to-Face	22	3	1	26	88%	85%
620-158 Sensors	21	3	1	25	88%	84%
Face-to-Face	21	3	1	25	88%	84%
620-191 Motion Control Applications	21	3	1	25	88%	84%
Face-to-Face	21	3	1	25	88%	84%
620-193 Electronic Software Applic	29	4	1	34	88%	85%
Face-to-Face	29	4	1	34	88%	85%
625-180 Manufacturing Skills Standards	0	0	1	1		0%
Face-to-Face	0	0	1	1		0%
801-136 English Composition 1	15	1	1	17	94%	88%
Blended (less than 50% online)	1	0	0	1	100%	100%
Face-to-Face	11	1	0	12	92%	92%
Online	3	0	1	4	100%	75%
801-196 Oral/Interpersonal Comm	2	1	2	5	67%	40%
Blended (less than 50% online)	1	0	0	1	100%	100%
Online	0	1	1	2	0%	0%
Telepresence	1	0	1	2	100%	50%
801-197 Technical Reporting	17	0	1	18	100%	94%
Face-to-Face	14	0	1	15	100%	93%
Online	3	0	0	3	100%	100%

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2019-20 Course Success**

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
804-113 College Technical Math 1A	16	6	6	28	73%	57%
Faculty Enhanced	16	5	5	26	76%	62%
MyChoice	0	1	0	1	0%	0%
Online	0	0	1	1		0%
804-134 Mathematical Reasoning	1	0	0	1	100%	100%
Online	1	0	0	1	100%	100%
806-134 General Chemistry	5	0	0	5	100%	100%
Hybrid (50% or more online)	4	0	0	4	100%	100%
Online	1	0	0	1	100%	100%
806-154 General Physics 1	14	6	1	21	70%	67%
Face-to-Face	10	3	1	14	77%	71%
Hybrid (50% or more online)	4	3	0	7	57%	57%
809-122 Intro to Amer Government	0	1	0	1	0%	0%
Online	0	1	0	1	0%	0%
809-195 Economics	12	1	0	13	92%	92%
Blended (less than 50% online)	1	0	0	1	100%	100%
Face-to-Face	11	1	0	12	92%	92%
809-199 Psychology of Human Relations	13	0	2	15	100%	87%
Blended (less than 50% online)	1	0	0	1	100%	100%
Face-to-Face	8	0	0	8	100%	100%
Online	4	0	2	6	100%	67%
Grand Total	610	76	43	729	89%	84%