

Program Scorecard 2018-19

Automation Engineering Technology & Electromechanical Tech. 10-664-1 & 10-620-1

Student Demographics	2018-19		2017-18		2016-17	
	Number	Percent	Number	Percent	Number	Percent
Full-Time	69	76%	51	72%	56	71%
Part-Time	22	24%	20	28%	23	29%
Disabilities	4	4%	0	0%	2	3%
Minorities	12	13%	8	11%	10	13%
Financial Aid	48	52%	39	54%	46	55%
Male	86	95%	71	100%	76	96%
Female	5	5%	0	0%	2	3%
Mean Age	27		27		29	
Median Age	25		24		25	
Mode Age	20		19		19	
Bias per WTCS (NTO)	None		None		Female	
Total Program Students	91		71		79	
Total Pre-Program Students	1		1		4	

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

Student Interest	2018-19	2017-18	2016-17	2015-16	2014-15
New Accepted Students	50	36	43	38	42
Capacity	50	51	67	48	48
Percent Capacity	100%	71%	64%	79%	88%
FTEs	80	65	64	61	63
Fall/Spring Waitlist	0	0	1	0	6

Graduate Placement	2018-19	2017-18	2016-17	2015-16	2014-15
Graduates	28	22	13	21	23
Employed in Related Field	NA	100%	100%	100%	88%
Seeking Employment	NA	13%	0%	0%	12%
Continuing Education	NA	27%	9%	0%	0%
Survey Response Rate	NA	48%	85%	52%	74%

Wages & Openings	2017-18
CVTC Graduate Average Hourly Wage	\$23.32
CVTC Graduate Average Yearly Wage	\$50,527
Regional Entry Level Yearly Wage	\$39,947
Regional Job Openings	23

CVTC Key Performance Indicator Goals		
	Goal	Actual
Graduation within 3 years	55%	42%
Job Related Placement	90%	87%
Aidable FTEs	3,984	3,832

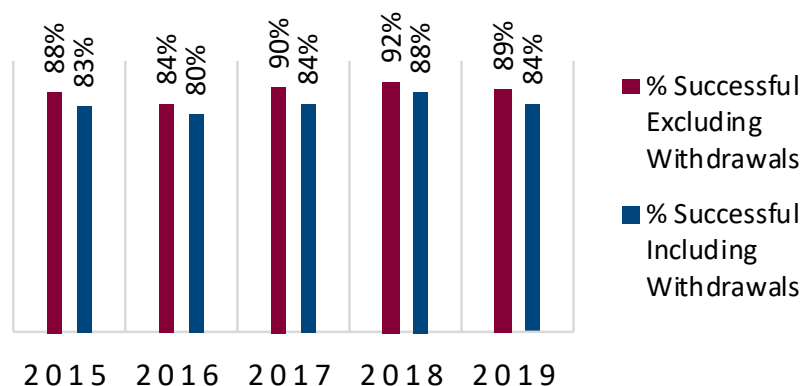
Graduation Rates	Cohort Year					3-Year Program Target	WTCS
	2016-17	2015-16	2014-15	2013-14	2012-13		
Graduation within 3 Years	49%	38%	56%	33%	53%	47%	25%
Graduation within 4 Years	NA	40%	56%	33%	53%	48%	29%

Retention Rates	Academic Year					3-Year Program Target
	Fall 2018 to Fall 2019	Fall 2017 to Fall 2018	Fall 2016 to Fall 2017	Fall 2015 to Fall 2016	Fall 2014 to Fall 2015	
Fall-to-Fall Retention	68%	81%	68%	64%	74%	77%
Core Courses	2018-19	2017-18	2016-17	2015-16	2014-15	
Course Success Rate	0%	89%	89%	88%	85%	64%
Withdraw Rate	0%	5%	5%	0%	4%	NA
General Education Courses	2018-19	2017-18	2016-17	2015-16	2014-15	
Course Success Rate	79%	79%	82%	65%	71%	85%
Withdraw Rate	6%	7%	6%	10%	9%	NA

Technical Skills Attainment	2018-19	2017-18	2016-17	2015-16	2014-15
Met	29	15	0	0	0
Not Met	0	2	0	0	0
Not Assessed	0	9	0	0	0

Student Surveys	2018-19	2017-18	2016-17	2015-16	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		2.2	2.4

COURSE SUCCESS



CVTC Course Success Goal: 80%

CAREER CLUSTER
Manufacturing

Automation Engineering Technology (10-664-1)
2018-19 Course Success

Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
Blended (less than 50% online)	13	0	0	13	100%	100%
Face-to-Face	610	70	40	720	90%	85%
Faculty Enhanced	12	8	4	24	60%	50%
Hybrid (50% or more online)	5	1	0	6	83%	83%
Online	10	2	0	12	83%	83%
Telepresence	0	1	0	1	0%	0%
Grand Total	650	82	44	776	89%	84%

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
605-107 Basic Electronics	27	9	3	39	75%	69%
Face-to-Face	27	9	3	39	75%	69%
605-108 Devices and Digital	24	1	2	27	96%	89%
Face-to-Face	24	1	2	27	96%	89%
605-109 Industrial Internet of Things	32	0	0	32	100%	100%
Blended (less than 50% online)	12	0	0	12	100%	100%
Face-to-Face	19	0	0	19	100%	100%
Hybrid (50% or more online)	1	0	0	1	100%	100%
605-111 Basic Elec: Reactive Compts	2	0	0	2	100%	100%
Face-to-Face	2	0	0	2	100%	100%
605-152 SCADA Concepts	28	0	1	29	100%	97%
Face-to-Face	28	0	1	29	100%	97%
606-130 Solid Modeling I	2	0	0	2	100%	100%
Face-to-Face	1	0	0	1	100%	100%
Hybrid (50% or more online)	1	0	0	1	100%	100%
606-185 Blueprint Reading	53	6	3	62	90%	85%
Face-to-Face	53	6	3	62	90%	85%

Automation Engineering Technology (10-664-1)
2018-19 Course Success

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
612-101 Related Fluid Power	23	10	4	37	70%	62%
Face-to-Face	23	10	4	37	70%	62%
620-101 Automated Processes	19	9	3	31	68%	61%
Face-to-Face	19	9	3	31	68%	61%
620-135 PLC Introduction	27	4	2	33	87%	82%
Face-to-Face	27	4	2	33	87%	82%
620-136 PLC Applications	30	0	2	32	100%	94%
Face-to-Face	30	0	2	32	100%	94%
620-144 Applied EM Machine Principles	23	2	2	27	92%	85%
Face-to-Face	23	2	2	27	92%	85%
620-145 Industrial Robotics Systems	30	2	1	33	94%	91%
Face-to-Face	30	2	1	33	94%	91%
620-146 Machine Troubleshooting Tech	27	1	0	28	96%	96%
Face-to-Face	27	1	0	28	96%	96%
620-147 Control Applications	29	0	0	29	100%	100%
Face-to-Face	29	0	0	29	100%	100%
620-148 Automated Systems Interfacing	24	2	0	26	92%	92%
Face-to-Face	24	2	0	26	92%	92%
620-150 Instrumentation	26	1	0	27	96%	96%
Face-to-Face	26	1	0	27	96%	96%
620-155 Industrial Electronics I	22	10	4	36	69%	61%
Face-to-Face	22	10	4	36	69%	61%
620-156 Industrial Electronics II	27	1	2	30	96%	90%
Face-to-Face	27	1	2	30	96%	90%
620-158 Sensors	33	0	1	34	100%	97%
Face-to-Face	33	0	1	34	100%	97%
620-191 Motion Control Applications	28	0	2	30	100%	93%
Face-to-Face	28	0	2	30	100%	93%
620-193 Electronic Software Applic	22	5	4	31	81%	71%
Face-to-Face	22	5	4	31	81%	71%

**Automation Engineering Technology (10-664-1)
2018-19 Course Success**

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
801-136 English Composition 1	15	0	2	17	100%	88%
Face-to-Face	11	0	2	13	100%	85%
Online	4	0	0	4	100%	100%
801-197 Technical Reporting	10	1	0	11	91%	91%
Face-to-Face	7	0	0	7	100%	100%
Online	3	1	0	4	75%	75%
804-113 College Technical Math 1A	12	8	4	24	60%	50%
Faculty Enhanced	12	8	4	24	60%	50%
806-154 General Physics 1	32	7	2	41	82%	78%
Face-to-Face	28	6	2	36	82%	78%
Hybrid (50% or more online)	3	1	0	4	75%	75%
Online	1	0	0	1	100%	100%
809-195 Economics	14	1	0	15	93%	93%
Blended (less than 50% online)	1	0	0	1	100%	100%
Face-to-Face	13	0	0	13	100%	100%
Telepresence	0	1	0	1	0%	0%
809-199 Psychology of Human Relations	9	2	0	11	82%	82%
Face-to-Face	7	1	0	8	88%	88%
Online	2	1	0	3	67%	67%
Grand Total	650	82	44	776	89%	84%