Program Scorecard 2022-23
Automation Engineering Technology 10-664-1

Student Demographics	2022-23 Number	2022-23 Percent	2021-22 Number	2021-22 Percent	2020-21 Number	2020-21 Percent
Full-Time	27	51%	43	70%	51	75%
Part-Time	26	49%	17	28%	17	25%
Students with Disabilities	3	8%	5	8%	3	4%
Students of Color	4	8%	5	8%	7	10%
Financial Aid Recipients	15	33%	14	23%	29	43%
Male	52	98%	57	95%	65	96%
Female	1	2%	3	5%	3	4%
Mean Age	28		32		30	
Median Age	24		30		28	
Mode Age	19		19		20	
Bias per WTCS (NTO*)	Female		Female		Female	
Total Program Students	53		60		68	
Total Pre-Program Students	0		1		0	

NOTE: Demographics include program students only, with the exception of financial aid
*NTO: non-traditional occupation

Student Interest	2022-23	2021-22	2020-21	2019-20	2018-19
New Accepted Students	25	27	38	36	50
Capacity	50	41	49	47	50
Percent Capacity	50%	66%	78%	77%	100%
FTEs	38	43	51	59	80
Fall/Spring Waitlist	0	0	0	0	0

Graduate Placement	2022-23*	2021-22	2020-21	2019-20	2018-19
Graduates	16	23	21	25	28
Employed in Related Field	NA	87%	80%	100%	90%
Seeking Employment	NA	6%	17%	12%	0%
Continuing Education	NA	16%	8%	0%	29%
Survey Response Rate	NA	83%	62%	72%	52%

*2022-23 graduate placement data is not available because graduates are surveyed 6 months to 1 year after graduation; 2022-23 data will be available spring 2024.

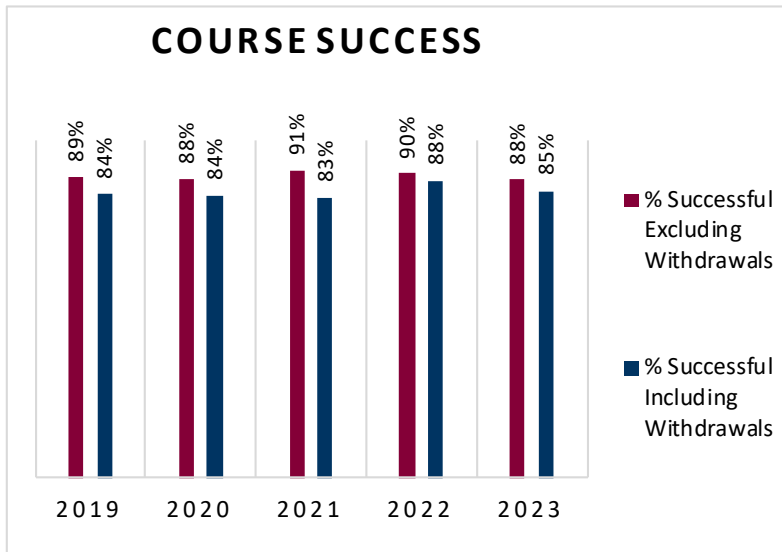| Wages & Openings	2021-22
CVTC Graduate Average Hourly Wage	$28.50
CVTC Graduate Average Annual Wage	$62,242
Regional Median Annual Wage	$60,649
Regional Job Openings	148

CVTC Key Performance Indicator Goals	Goal	Actual
Graduation within 3 years	55%	43%
Job Related Placement	90%	82%
Aidable FTEs	3,865	3,835

CAREER CLUSTER
Manufacturing

Graduation Rates	Cohort Year* 2020-21	2019-20	2018-19	2017-18	2016-17	Program Target	WTCS
Graduation within 3 Years	51%	49%	44%	61%	49%	56%	30%
Graduation within 4 Years	NA	49%	48%	63%	53%	60%	34%

*Cohort year is the year the student started in the program.

Retention Rates	Fall 2022 to Fall 2023	Fall 2021 to Fall 2022	Fall 2020 to Fall 2021	Fall 2019 to Fall 2020	Fall 2018 to Fall 2019	Program Target
Fall-to-Fall Retention	77%	64%	76%	67%	68%	74%
Core Courses	**2022-23**	**2021-22**	**2020-21**	**2019-20**	**2018-19**	
Course Success Rate	88%	91%	86%	86%	0%	93%
Withdraw Rate	2%	1%	8%	3%	0%	NA
General Education Courses	**2022-23**	**2021-22**	**2020-21**	**2019-20**	**2018-19**	
Course Success Rate	72%	70%	68%	79%	79%	78%
Withdraw Rate	7%	10%	15%	8%	6%	NA

Technical Skills Attainment	2022-23	2021-22	2020-21	2019-20	2018-19
Met	14	20	22	9	29
Not Met	0	0	0	0	0
Not Assessed	0	1	0	18	0

COURSE SUCCESS

Year	% Successful Excluding Withdrawals	% Successful Including Withdrawals
2019	89%	84%
2020	88%	84%
2021	91%	83%
2022	90%	88%
2023	88%	85%

CVTC Course Success Goal: 80%

Automation Engineering Technology (10-664-1)
2022-23 Course Success

Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
Face-to-Face	257	33	9	299	89%	86%
Hybrid (50% or more online)	11	1	0	12	92%	92%
MyChoice	4	0	0	4	100%	100%
Online	42	9	2	53	82%	79%
Grand Total	**314**	**43**	**11**	**368**	**88%**	**85%**

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
605-107 Basic Electronics with Digital	**16**	**4**	**0**	**20**	**80%**	**80%**
Face-to-Face	16	4	0	20	80%	80%
605-152 SCADA Concepts	**11**	**0**	**0**	**11**	**100%**	**100%**
Face-to-Face	11	0	0	11	100%	100%
606-185 Blueprint Reading	**16**	**3**	**1**	**20**	**84%**	**80%**
Online	16	3	1	20	84%	80%
612-101 Related Fluid Power	**16**	**4**	**1**	**21**	**80%**	**76%**
Face-to-Face	16	4	1	21	80%	76%
620-101 Automated Processes	**12**	**4**	**1**	**17**	**75%**	**71%**
Face-to-Face	12	4	1	17	75%	71%
620-135 PLC Introduction	**14**	**3**	**1**	**18**	**82%**	**78%**
Face-to-Face	14	3	1	18	82%	78%
620-136 PLC Applications	**12**	**1**	**1**	**14**	**92%**	**86%**
Face-to-Face	12	1	1	14	92%	86%
620-144 Applied EM Machine Principles	**9**	**3**	**0**	**12**	**75%**	**75%**
Face-to-Face	9	3	0	12	75%	75%
620-145 Industrial Robotics Systems	**12**	**0**	**0**	**12**	**100%**	**100%**
Face-to-Face	12	0	0	12	100%	100%
620-146 Machine Troubleshooting Tech	**14**	**0**	**0**	**14**	**100%**	**100%**
Face-to-Face	14	0	0	14	100%	100%
620-147 Control Applications	**14**	**0**	**0**	**14**	**100%**	**100%**
Face-to-Face	14	0	0	14	100%	100%

Automation Engineering Technology (10-664-1)
2022-23 Course Success

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
620-148 Automated Systems Interfacing	**12**	**0**	**0**	**12**	**100%**	**100%**
Face-to-Face	12	0	0	12	100%	100%
620-150 Instrumentation	**11**	**0**	**0**	**11**	**100%**	**100%**
Face-to-Face	11	0	0	11	100%	100%
620-155 Industrial Electronics I	**16**	**3**	**0**	**19**	**84%**	**84%**
Face-to-Face	16	3	0	19	84%	84%
620-156 Industrial Electronics II	**15**	**1**	**1**	**17**	**94%**	**88%**
Face-to-Face	15	1	1	17	94%	88%
620-158 Sensors	**15**	**0**	**0**	**15**	**100%**	**100%**
Face-to-Face	15	0	0	15	100%	100%
620-191 Motion Control Applications	**14**	**0**	**0**	**14**	**100%**	**100%**
Face-to-Face	14	0	0	14	100%	100%
620-193 Electronic Software Applic	**15**	**3**	**1**	**19**	**83%**	**79%**
Face-to-Face	15	3	1	19	83%	79%
631-109 Industrial Internet of Things	**12**	**1**	**0**	**13**	**92%**	**92%**
Face-to-Face	1	0	0	1	100%	100%
Hybrid (50% or more online)	11	1	0	12	92%	92%
801-136 English Composition 1	**12**	**1**	**0**	**13**	**92%**	**92%**
MyChoice	1	0	0	1	100%	100%
Online	11	1	0	12	92%	92%
801-197 Technical Reporting	**5**	**1**	**0**	**6**	**83%**	**83%**
Face-to-Face	2	0	0	2	100%	100%
Online	3	1	0	4	75%	75%
804-113 College Technical Math 1A	**11**	**6**	**0**	**17**	**65%**	**65%**
Face-to-Face	7	4	0	11	64%	64%
Online	4	2	0	6	67%	67%
806-154 General Physics 1	**9**	**5**	**2**	**16**	**64%**	**56%**
Face-to-Face	8	3	1	12	73%	67%
Online	1	2	1	4	33%	25%
809-195 Economics	**9**	**0**	**1**	**10**	**100%**	**90%**
Face-to-Face	1	0	1	2	100%	50%

Automation Engineering Technology (10-664-1)
2022-23 Course Success

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
MyChoice	3	0	0	3	100%	100%
Online	5	0	0	5	100%	100%
809-199 Psychology of Human Relations	**12**	**0**	**1**	**13**	**100%**	**92%**
Face-to-Face	10	0	1	11	100%	91%
Online	2	0	0	2	100%	100%
Grand Total	**314**	**43**	**11**	**368**	**88%**	**85%**