

Program Scorecard 2022-23

Mechatronics Specialist 10-462-1

Student Demographics	2022-23		2021-22		2020-21	
	Number	Percent	Number	Percent	Number	Percent
Full-Time	8	22%	17	49%	9	43%
Part-Time	29	78%	18	51%	12	57%
Students with Disabilities	1	3%	1	3%	0	0%
Students of Color	3	8%	3	9%	3	14%
Financial Aid Recipients	6	19%	14	40%	4	19%
Male	34	92%	34	97%	21	100%
Female	3	8%	1	3%	0	0%
Mean Age	27		30		29	
Median Age	24		29		26	
Mode Age	19		19		19	
Bias per WTCS (NTO*)	Female		Female		Female	
Total Program Students	37		35		21	
Total Pre-Program Students	0		0		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	17	23	16	19	17
Capacity	50	56	52	43	43
Percent Capacity	34%	41%	31%	44%	40%
FTEs	20	21	12	24	30
Fall/Spring Waitlist	0	0	0	0	0

Graduate Placement	2022-23*	2021-22	2020-21	2019-20	2018-19
Graduates	12	6	5	14	15
Employed in Related Field	NA	100%	100%	83%	100%
Seeking Employment	NA	0%	33%	0%	0%
Continuing Education	NA	33%	0%	13%	17%
Survey Response Rate	NA	50%	75%	57%	40%

*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	\$24.20
CVTC Graduate Average Annual Wage	\$54,025
Regional Median Annual Wage	\$50,196
Regional Job Openings	403

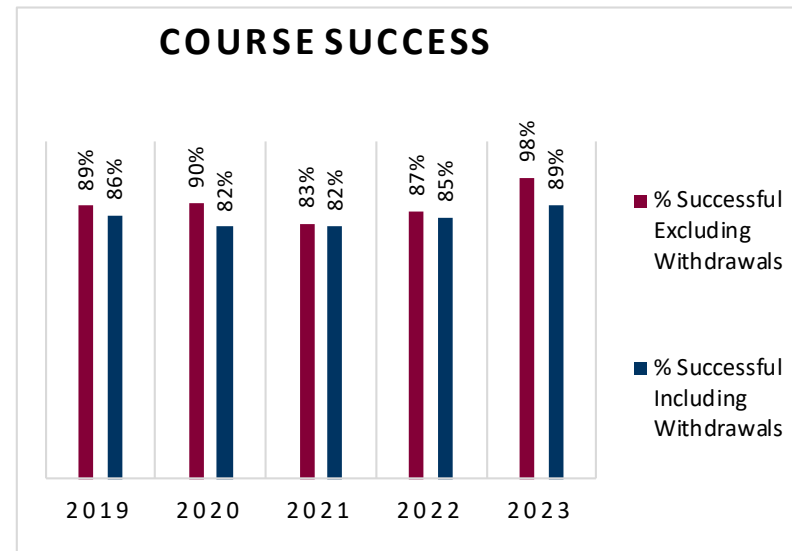
CVTC Key Performance Indicator Goals		
	Goal	Actual
Graduation within 3 years	55%	43%
Job Related Placement	90%	82%
Aidable FTEs	3,865	3,835

Graduation Rates	Cohort Year*					Program Target	WTCS
	2020-21	2019-20	2018-19	2017-18	2016-17		
Graduation within 3 Years	36%	35%	35%	57%	47%	51%	32%
Graduation within 4 Years	NA	40%	35%	57%	47%	51%	32%

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

Retention Rates	Academic Year					Program Target
	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	
Fall-to-Fall Retention	58%	59%	67%	37%	52%	59%
Core Courses	2022-23	2021-22	2020-21	2019-20	2018-19	
Course Success Rate	94%	85%	84%	83%	87%	89%
Withdraw Rate	3%	1%	0%	6%	5%	NA
General Education Courses	2022-23	2021-22	2020-21	2019-20	2018-19	
Course Success Rate	95%	89%	56%	88%	85%	83%
Withdraw Rate	0%	6%	6%	3%	3%	NA

Technical Skills Attainment	2022-23	2021-22	2020-21	2019-20	2018-19
Met	10	7	3	5	15
Not Met	0	0	0	0	0
Not Assessed	1	1	1	1	1



CVTC Course Success Goal: 80%

CAREER CLUSTER
Manufacturing

**Mechatronics Specialist (10-462-1)
2022-23 Course Success**

Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
Blended (less than 50% online)	1	0	0	1	100%	100%
Face-to-Face	159	2	19	180	99%	88%
Online	21	1	0	22	95%	95%
Grand Total	181	3	19	203	98%	89%

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
419-102 Hydraulic System Operations	8	0	1	9	100%	89%
Face-to-Face	8	0	1	9	100%	89%
419-116 Basic Hydraulics	5	1	1	7	83%	71%
Face-to-Face	5	1	1	7	83%	71%
419-117 Basic Pneumatics	6	0	2	8	100%	75%
Face-to-Face	6	0	2	8	100%	75%
419-118 Pneumatic System Operations	8	0	1	9	100%	89%
Face-to-Face	8	0	1	9	100%	89%
442-120 Related Welding-Indust Mech	4	0	0	4	100%	100%
Face-to-Face	4	0	0	4	100%	100%
462-111 Mechanical Concepts	4	0	1	5	100%	80%
Face-to-Face	4	0	1	5	100%	80%
462-115 Industrial PC Network Concepts	4	0	1	5	100%	80%
Face-to-Face	4	0	1	5	100%	80%
462-118 Industrial Electric Principles	3	0	1	4	100%	75%
Face-to-Face	3	0	1	4	100%	75%
462-119 Industrial Mechanical Skills	5	0	1	6	100%	83%
Face-to-Face	5	0	1	6	100%	83%
462-120 Centrifugal Pumps & Alignment	4	0	1	5	100%	80%
Face-to-Face	4	0	1	5	100%	80%
462-121 IOT Automated Manufacturing	4	0	0	4	100%	100%
Face-to-Face	4	0	0	4	100%	100%
462-122 Prev and Periodic Maintenance	10	0	1	11	100%	91%

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Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
Face-to-Face	10	0	1	11	100%	91%
462-123 PLC Manufacturing Applications	4	0	0	4	100%	100%
Face-to-Face	4	0	0	4	100%	100%
462-126 Mechanical Alignment & Bearing	4	0	2	6	100%	67%
Face-to-Face	4	0	2	6	100%	67%
462-130 Mfg Prints & Networks	4	0	1	5	100%	80%
Face-to-Face	4	0	1	5	100%	80%
462-132 Mach Trbleshting & Repair Adv	11	0	1	12	100%	92%
Face-to-Face	11	0	1	12	100%	92%
462-140 Piping Systems	12	0	1	13	100%	92%
Face-to-Face	12	0	1	13	100%	92%
462-141 Process Ctrl & Wtr Trtmnt Sys	14	0	0	14	100%	100%
Face-to-Face	14	0	0	14	100%	100%
462-150 Building System Maintenance	12	0	1	13	100%	92%
Face-to-Face	12	0	1	13	100%	92%
462-151 New Technologies in Ind. Maint	14	0	0	14	100%	100%
Face-to-Face	14	0	0	14	100%	100%
625-180 Manufacturing Skills Standards	4	0	2	6	100%	67%
Face-to-Face	4	0	2	6	100%	67%
801-136 English Composition 1	11	1	0	12	92%	92%
Face-to-Face	4	0	0	4	100%	100%
Online	7	1	0	8	88%	88%
801-197 Technical Reporting	6	0	0	6	100%	100%
Face-to-Face	2	0	0	2	100%	100%
Online	4	0	0	4	100%	100%
804-134 Mathematical Reasoning	4	0	0	4	100%	100%
Face-to-Face	2	0	0	2	100%	100%
Online	2	0	0	2	100%	100%
809-195 Economics	9	0	0	9	100%	100%
Blended (less than 50% online)	1	0	0	1	100%	100%
Face-to-Face	2	0	0	2	100%	100%

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Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
Online	6	0	0	6	100%	100%
809-199 Psychology of Human Relations	7	1	0	8	88%	88%
Face-to-Face	5	1	0	6	83%	83%
Online	2	0	0	2	100%	100%
Grand Total	181	3	19	203	98%	89%