

# Program Scorecard 2021-2022

## Mechatronics Technician 31-462-2

Student Demographics	2021-22		2020-21		2019-20	
	Number	Percent	Number	Percent	Number	Percent
Full-Time	9	33%	6	24%	10	31%
Part-Time	18	67%	19	76%	22	69%
Students with Disabilities	3	11%	1	4%	1	3%
Students of Color	1	4%	0	0%	2	6%
Financial Aid Recipients	4	15%	5	20%	17	53%
Male	26	96%	24	96%	29	91%
Female	1	4%	1	4%	3	9%
Mean Age	28		28		31	
Median Age	24		23		28	
Mode Age	20		20		19	
Bias per WTCS (NTO*)	Female		Female		Female	
Total Program Students	27		25		32	
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	2021-22	2020-21	2019-20	2018-19	2017-18
New Accepted Students	14	15	20	22	29
Capacity	81	84	84	57	47
Percent Capacity	17%	18%	24%	39%	62%
FTEs	15	13	19	33	40
Fall/Spring Waitlist	0	0	0	0	0

Graduate Placement	2021-22*	2020-21	2019-20	2018-19	2017-18
Graduates	12	12	19	25	23
Employed in Related Field	NA	0%	86%	100%	92%
Seeking Employment	NA	0%	0%	0%	7%
Continuing Education	NA	75%	0%	33%	7%
Survey Response Rate	NA	44%	39%	75%	68%

\*2021-22 graduate placement data is not available because graduates are surveyed 6 months to 1 year after graduation; 2021-22 data will be available spring 2023.

Wages & Openings	2020-21
CVTC Graduate Average Hourly Wage	\$28.51
CVTC Graduate Average Annual Wage	\$63,716
Regional Median Annual Wage	\$47,634
National Median Annual Wage	\$45,704
Regional Job Openings	345

CVTC Key Performance Indicator Goals		
	Goal	Actual
Graduation within 2 years	80%	70%
Job Related Placement	90%	82%
Aidable FTEs	3,865	3,722

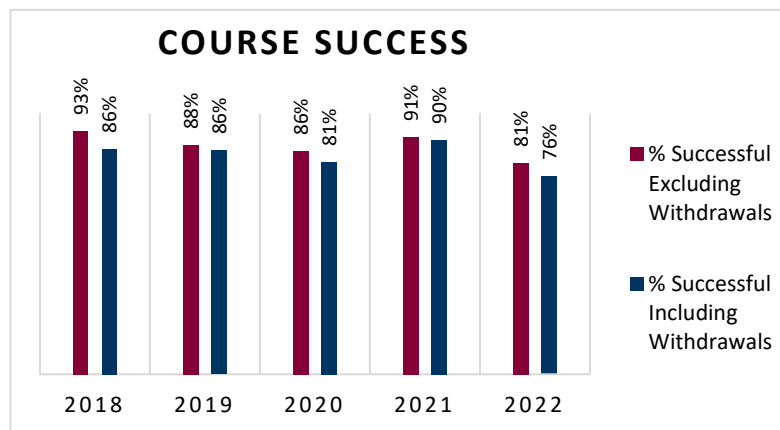
Graduation Rates	Cohort Year*					3 Year Program Target	WTCS
	2020-21	2019-20	2018-19	2017-18	2016-17		
Graduation within 2 Years	57%	43%	62%	49%	44%	59%	31%

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

Retention Rates	Academic Year					3 Year Program Target
	Fall 2021 to Spring 2022	Fall 2020 to Spring 2021	Fall 2019 to Spring 2020	Fall 2018 to Spring 2019	Fall 2017 to Spring 2018	
Semester-to-Semester	NA	80%	56%	71%	74%	73%
Core Courses	2021-22	2020-21	2019-20	2018-19	2017-18	
Course Success Rate	75%	84%	80%	84%	90%	85%
Withdraw Rate	3%	1%	2%	0%	3%	NA
General Education Courses	2021-22	2020-21	2019-20	2018-19	2017-18	
Course Success Rate	NA	NA	NA	NA	NA	NA
Withdraw Rate	NA	NA	NA	NA	NA	NA

Technical Skills Attainment	2021-22	2020-21	2019-20	2018-19	2017-18
Met	13	3	6	15	24
Not Met	0	0	0	0	0
Not Assessed	1	1	1	0	0

Student Surveys	2021-22	2020-21	2019-20	2018-19	CVTC
SSI- Instructional Effectiveness by Program (scale of 1 to 7)		6.7		NA	6.3
CCSSE- Active & Collaborative Learning by Cluster (scale of 1 to 4)	2.5				2.2



CVTC Course Success Goal: 80%

**CAREER CLUSTER**  
*Manufacturing*

**Mechatronics Technician (31-462-2)**

**2021-22 Course Success**

Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
Face-to-Face	133	32	11	176	81%	76%
<b>Grand Total</b>	<b>133</b>	<b>32</b>	<b>11</b>	<b>176</b>	<b>81%</b>	<b>76%</b>

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
<b>419-102 Hydraulic System Operations</b>	<b>8</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>89%</b>	<b>80%</b>
Face-to-Face	8	1	1	10	89%	80%
<b>419-116 Basic Hydraulics</b>	<b>7</b>	<b>4</b>	<b>1</b>	<b>12</b>	<b>64%</b>	<b>58%</b>
Face-to-Face	7	4	1	12	64%	58%
<b>419-117 Basic Pneumatics</b>	<b>8</b>	<b>3</b>	<b>1</b>	<b>12</b>	<b>73%</b>	<b>67%</b>
Face-to-Face	8	3	1	12	73%	67%
<b>419-118 Pneumatic System Operations</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>11</b>	<b>90%</b>	<b>82%</b>
Face-to-Face	9	1	1	11	90%	82%
<b>442-120 Related Welding-Indust Mech</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>86%</b>	<b>86%</b>
Face-to-Face	6	1	0	7	86%	86%
<b>462-111 Mechanical Concepts</b>	<b>9</b>	<b>3</b>	<b>2</b>	<b>14</b>	<b>75%</b>	<b>64%</b>
Face-to-Face	9	3	2	14	75%	64%
<b>462-115 Industrial PC Network Concepts</b>	<b>7</b>	<b>4</b>	<b>1</b>	<b>12</b>	<b>64%</b>	<b>58%</b>
Face-to-Face	7	4	1	12	64%	58%
<b>462-118 Industrial Electric Principles</b>	<b>10</b>	<b>3</b>	<b>1</b>	<b>14</b>	<b>77%</b>	<b>71%</b>
Face-to-Face	10	3	1	14	77%	71%
<b>462-119 Industrial Mechanical Skills</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>7</b>	<b>50%</b>	<b>43%</b>
Face-to-Face	3	3	1	7	50%	43%
<b>462-120 Centrifugal Pumps &amp; Alignment</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>11</b>	<b>91%</b>	<b>91%</b>
Face-to-Face	10	1	0	11	91%	91%
<b>462-121 IOT Automated Manufacturing</b>	<b>11</b>	<b>1</b>	<b>0</b>	<b>12</b>	<b>92%</b>	<b>92%</b>
Face-to-Face	11	1	0	12	92%	92%
<b>462-122 Prev and Periodic Maintenance</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>12</b>	<b>91%</b>	<b>83%</b>
Face-to-Face	10	1	1	12	91%	83%

**Mechatronics Technician (31-462-2)  
2021-22 Course Success**

<b>Course &amp; Delivery Method</b>	<b>Successful Count</b>	<b>Unsuccessful Count</b>	<b>Withdrawal Count</b>	<b>Enrollment Count</b>	<b>% Successful Excluding Withdrawals</b>	<b>% Successful Including Withdrawals</b>
<b>462-123 PLC Manufacturing Applications</b>	<b>10</b>	<b>2</b>	<b>0</b>	<b>12</b>	<b>83%</b>	<b>83%</b>
Face-to-Face	10	2	0	12	83%	83%
<b>462-126 Mechanical Alignment &amp; Bearing</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>10</b>	<b>90%</b>	<b>90%</b>
Face-to-Face	9	1	0	10	90%	90%
<b>462-132 Mach Trbleshting &amp; Repair Adv</b>	<b>8</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>89%</b>	<b>80%</b>
Face-to-Face	8	1	1	10	89%	80%
<b>625-180 Manufacturing Skills Standards</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>10</b>	<b>80%</b>	<b>80%</b>
Face-to-Face	8	2	0	10	80%	80%
<b>Grand Total</b>	<b>133</b>	<b>32</b>	<b>11</b>	<b>176</b>	<b>81%</b>	<b>76%</b>