

# Program Scorecard 2019-2020

## Mechanical Design Technology 10-606-1

	2018-19	2017-18	2016-17	2015-16
Full-Time	36	67%	31	76%
Part-Time	18	33%	10	24%
Disabilities	3	6%	4	10%
Minorities	2	4%	1	2%
Financial Aid	30	51%	21	47%
Male	47	87%	40	98%
Female	7	13%	1	2%
Mean Age	26	26	26	26
Median Age	21	22	25	25
Mode Age	20	19	18	18
Bias per WTCS (NTO)	Female	Female	Female	Female
Total Program Students	54	41	14	14
Total Pre-Program Students	5	4	3	3

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

	2018-19	2017-18	2016-17	2015-16
New Accepted Students	28	31	17	NA
Capacity	34	36	30	NA
Percent Capacity	82%	86%	57%	NA
FTEs	42	34	15	NA
Fall/Spring Waitlist	0	0	0	NA

Graduate Placement	2019-20	2018-19	2017-18	2016-17	2015-16
Graduates	17	10	0	NA	NA
Employed in Related Field	NA	67%	NA	NA	NA
Seeking Employment	NA	33%	NA	NA	NA
Continuing Education	NA	25%	NA	NA	NA
Survey Response Rate	NA	40%	NA	NA	NA

Wages & Openings	2018-19
CVTC Graduate Average Hourly Wage	NA
CVTC Graduate Average Yearly Wage	NA
Regional Entry Level Yearly Wage	\$40,584
Regional Job Openings	22

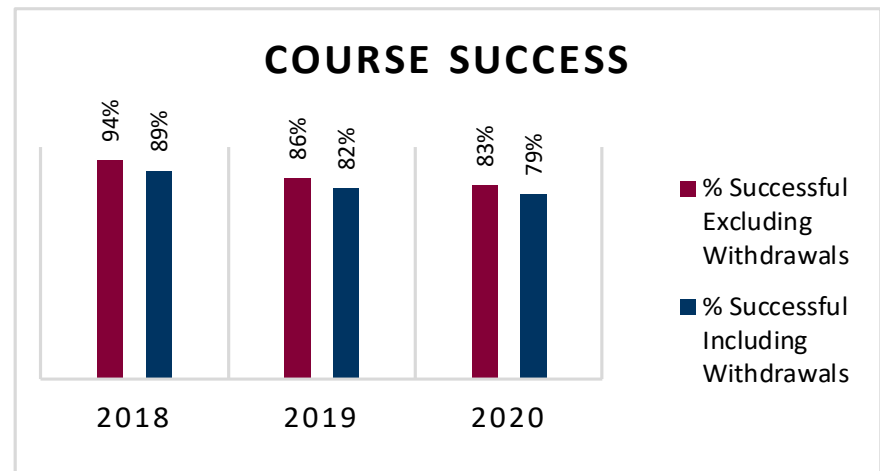
CVTC Key Performance Indicator Goals		
	Goal	Actual
Graduation within 3 years	55%	40%
Job Related Placement	90%	86%
Aidable FTEs	3,984	3,879

	2018-19	2017-18	2016-17	2015-16
Graduation within 3 Years	56%	NA	NA	NA
Graduation within 4 Years	NA	NA	NA	NA

	2018-19	2017-18	2016-17	2015-16
Fall-to-Fall Retention	56%	77%	69%	NA
Course Success Rate	82%	92%	95%	NA
Withdraw Rate	4%	0%	3%	NA
Course Success Rate	70%	67%	87%	NA
Withdraw Rate	5%	10%	3%	NA

	2018-19	2017-18	2016-17	2015-16
Met	14	6	0	NA
Not Met	1	0	0	NA
Not Assessed	0	0	0	NA

	2018-19	2017-18	2016-17	2015-16
SSI- Instructional Effectiveness by Program (scale of 1 to 7)	6	NA	6.3	6.3
CCSSE- Active & Collaborative Learning by Cluster (scale of 1 to 4)	2.5	2.4	2.4	2.4



CVTC Course Success Goal: 80%

**CAREER CLUSTER**  
*Science, Tech, Engr, & Math*

**Mechanical Design Technology (10-606-1)  
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)	52	21	7	80	71%	65%
Face-to-Face	148	13	6	167	92%	89%
Hybrid (50% or more online)	1	1	0	2	50%	50%
MyChoice	101	24	1	126	81%	80%
Online	41	9	4	54	82%	76%
Telepresence	0	2	1	3	0%	0%
<b>Grand Total</b>	<b>343</b>	<b>70</b>	<b>19</b>	<b>432</b>	<b>83%</b>	<b>79%</b>

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
<b>102-113 Business Ethics</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Online	1	0	0	1	100%	100%
<b>102-116 Strategic Management</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Online	1	0	0	1	100%	100%
<b>102-133 Leadership for Bus Excellence</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Online	1	0	0	1	100%	100%
<b>103-170 Microsoft Excel</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>100%</b>	<b>100%</b>
MyChoice	1	0	0	1	100%	100%
Online	1	0	0	1	100%	100%
<b>104-102 Marketing Principles</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Online	1	0	0	1	100%	100%
<b>116-111 Performance Mgt &amp; Total Reward</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Online	1	0	0	1	100%	100%
<b>116-114 Recruitment &amp; Selection</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Online	1	0	0	1	100%	100%
<b>531-110 Emergency Medical Technician</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Face-to-Face	1	0	0	1	100%	100%
<b>601-125 Safety - HVAC</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0%</b>	<b>0%</b>

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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
Face-to-Face	0	1	0	1	0%	0%
<b>601-140 Electricity Theory</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Face-to-Face	1	0	0	1	100%	100%
<b>601-148 Electricity Principles</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0%</b>	<b>0%</b>
Face-to-Face	0	1	0	1	0%	0%
<b>606-103 Mechanical Design Concepts</b>	<b>21</b>	<b>5</b>	<b>0</b>	<b>26</b>	<b>81%</b>	<b>81%</b>
Blended (less than 50% online)	4	1	0	5	80%	80%
MyChoice	17	4	0	21	81%	81%
<b>606-104 Geometric Dimen &amp; Tolerancing</b>	<b>17</b>	<b>5</b>	<b>1</b>	<b>23</b>	<b>77%</b>	<b>74%</b>
Blended (less than 50% online)	2	1	1	4	67%	50%
MyChoice	15	4	0	19	79%	79%
<b>606-112 Tool Design Practices</b>	<b>13</b>	<b>1</b>	<b>1</b>	<b>15</b>	<b>93%</b>	<b>87%</b>
Blended (less than 50% online)	2	0	0	2	100%	100%
Face-to-Face	11	1	1	13	92%	85%
<b>606-118 Mechanisms</b>	<b>16</b>	<b>3</b>	<b>0</b>	<b>19</b>	<b>84%</b>	<b>84%</b>
Blended (less than 50% online)	1	0	0	1	100%	100%
MyChoice	15	3	0	18	83%	83%
<b>606-121 Mechanical Design Proj Mgmt</b>	<b>15</b>	<b>2</b>	<b>1</b>	<b>18</b>	<b>88%</b>	<b>83%</b>
Blended (less than 50% online)	2	1	1	4	67%	50%
Face-to-Face	13	1	0	14	93%	93%
<b>606-123 Mechanism Design</b>	<b>17</b>	<b>4</b>	<b>2</b>	<b>23</b>	<b>81%</b>	<b>74%</b>
Blended (less than 50% online)	1	1	2	4	50%	25%
Face-to-Face	16	3	0	19	84%	84%
<b>606-127 Machine Design</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>100%</b>	<b>100%</b>
Blended (less than 50% online)	1	0	0	1	100%	100%
Face-to-Face	19	0	0	19	100%	100%
<b>606-130 Solid Modeling I</b>	<b>17</b>	<b>5</b>	<b>0</b>	<b>22</b>	<b>77%</b>	<b>77%</b>
Blended (less than 50% online)	4	1	0	5	80%	80%
MyChoice	2	0	0	2	100%	100%
Online	11	4	0	15	73%	73%

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<b>606-131 Solid Modeling 2</b>	<b>13</b>	<b>6</b>	<b>2</b>	<b>21</b>	<b>68%</b>	<b>62%</b>
Blended (less than 50% online)	1	2	1	4	33%	25%
MyChoice	9	3	0	12	75%	75%
Online	3	1	1	5	75%	60%
<b>606-132 Statics</b>	<b>19</b>	<b>1</b>	<b>1</b>	<b>21</b>	<b>95%</b>	<b>90%</b>
Blended (less than 50% online)	1	0	0	1	100%	100%
Face-to-Face	18	1	1	20	95%	90%
<b>606-140 Strength of Materials</b>	<b>19</b>	<b>0</b>	<b>1</b>	<b>20</b>	<b>100%</b>	<b>95%</b>
Blended (less than 50% online)	1	0	0	1	100%	100%
Face-to-Face	18	0	1	19	100%	95%
<b>606-151 Capstone Design Project</b>	<b>14</b>	<b>0</b>	<b>1</b>	<b>15</b>	<b>100%</b>	<b>93%</b>
Blended (less than 50% online)	1	0	0	1	100%	100%
Face-to-Face	13	0	1	14	100%	93%
<b>606-152 PLC &amp; Fluid Power Application</b>	<b>11</b>	<b>2</b>	<b>1</b>	<b>14</b>	<b>85%</b>	<b>79%</b>
Face-to-Face	11	2	1	14	85%	79%
<b>606-160 Mfg. Materials Processes</b>	<b>19</b>	<b>4</b>	<b>0</b>	<b>23</b>	<b>83%</b>	<b>83%</b>
Blended (less than 50% online)	4	1	0	5	80%	80%
MyChoice	15	3	0	18	83%	83%
<b>606-161 CAD, Basic</b>	<b>16</b>	<b>5</b>	<b>2</b>	<b>23</b>	<b>76%</b>	<b>70%</b>
Blended (less than 50% online)	1	2	1	4	33%	25%
MyChoice	15	3	1	19	83%	79%
<b>623-111 Measurement for Engineering</b>	<b>16</b>	<b>4</b>	<b>1</b>	<b>21</b>	<b>80%</b>	<b>76%</b>
Blended (less than 50% online)	16	4	1	21	80%	76%
<b>623-154 Engineering Economy</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Online	1	0	0	1	100%	100%
<b>625-110 Mfg &amp; Quality Assurance</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Face-to-Face	1	0	0	1	100%	100%
<b>801-136 English Composition 1</b>	<b>8</b>	<b>6</b>	<b>0</b>	<b>14</b>	<b>57%</b>	<b>57%</b>
Blended (less than 50% online)	6	4	0	10	60%	60%
Online	2	1	0	3	67%	67%

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Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
Telepresence	0	1	0	1	0%	0%
<b>801-196 Oral/Interpersonal Comm</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>100%</b>	<b>50%</b>
Online	1	0	1	2	100%	50%
<b>801-197 Technical Reporting</b>	<b>10</b>	<b>0</b>	<b>1</b>	<b>11</b>	<b>100%</b>	<b>91%</b>
Face-to-Face	6	0	1	7	100%	86%
Online	4	0	0	4	100%	100%
<b>801-219 English Composition 1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Online	1	0	0	1	100%	100%
<b>801-239 American Literature Since 1865</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Online	1	0	0	1	100%	100%
<b>802-211 Spanish 1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>100%</b>	<b>100%</b>
Face-to-Face	2	0	0	2	100%	100%
<b>804-115 College Technical Math 1</b>	<b>14</b>	<b>7</b>	<b>0</b>	<b>21</b>	<b>67%</b>	<b>67%</b>
Blended (less than 50% online)	3	3	0	6	50%	50%
MyChoice	11	4	0	15	73%	73%
<b>804-189 Introductory Statistics</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Online	1	0	0	1	100%	100%
<b>804-236 Calculus &amp; Analytic Geometry 1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Blended (less than 50% online)	1	0	0	1	100%	100%
<b>804-240 Calculus &amp; Analytic Geometry 2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
MyChoice	1	0	0	1	100%	100%
<b>806-154 General Physics 1</b>	<b>12</b>	<b>3</b>	<b>1</b>	<b>16</b>	<b>80%</b>	<b>75%</b>
Face-to-Face	10	2	0	12	83%	83%
Hybrid (50% or more online)	1	1	0	2	50%	50%
Online	1	0	1	2	100%	50%
<b>806-245 Principles of Gen Chemistry 1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Face-to-Face	1	0	0	1	100%	100%
<b>809-172 Intro to Diversity Studies</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>		<b>0%</b>
Telepresence	0	0	1	1		0%
<b>809-195 Economics</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>9</b>	<b>78%</b>	<b>78%</b>

**Mechanical Design Technology (10-606-1)  
2019-20 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>
Face-to-Face	6	1	0	7	86%	86%
Online	1	0	0	1	100%	100%
Telepresence	0	1	0	1	0%	0%
<b>809-199 Psychology of Human Relations</b>	<b>7</b>	<b>3</b>	<b>1</b>	<b>11</b>	<b>70%</b>	<b>64%</b>
Face-to-Face	1	0	0	1	100%	100%
Online	6	3	1	10	67%	60%
<b>890-115 Online Success Strategies</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>	<b>100%</b>
Online	1	0	0	1	100%	100%
<b>Grand Total</b>	<b>343</b>	<b>70</b>	<b>19</b>	<b>432</b>	<b>83%</b>	<b>79%</b>