

# IIR Corner

March 2016

In the twelfth issue of IIR Corner, the number of hours a student had earned at graduation is presented. Hours earned at graduation is an important measure because many students earn more hours than necessary to complete their degree plan. If a student unintentionally took coursework outside of his or her degree plan, then graduation could be delayed.

Noteworthy observations:

**Associate of Arts:** Typically, students have earned about 79.0 hours at the time of graduation.

**Associate of Applied Science:** Typically, students have earned about 110.0 hours at the time of graduation.

**Associate of Arts in Teaching:** Typically, students have earned about 86.0 hours at the time of graduation.

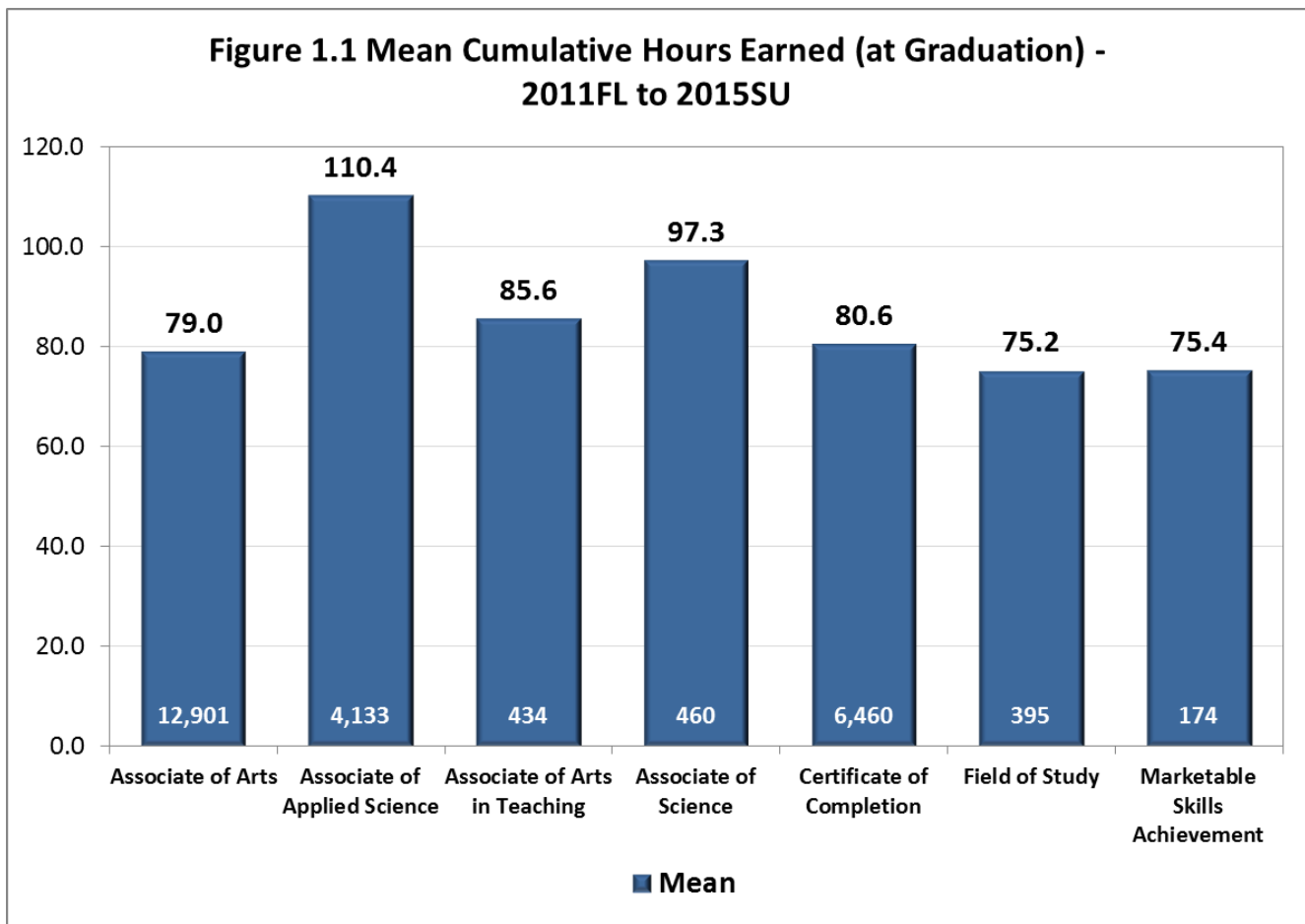
**Associate of Science:** Typically, students have earned about 97.0 hours at the time of graduation.

Team IIR



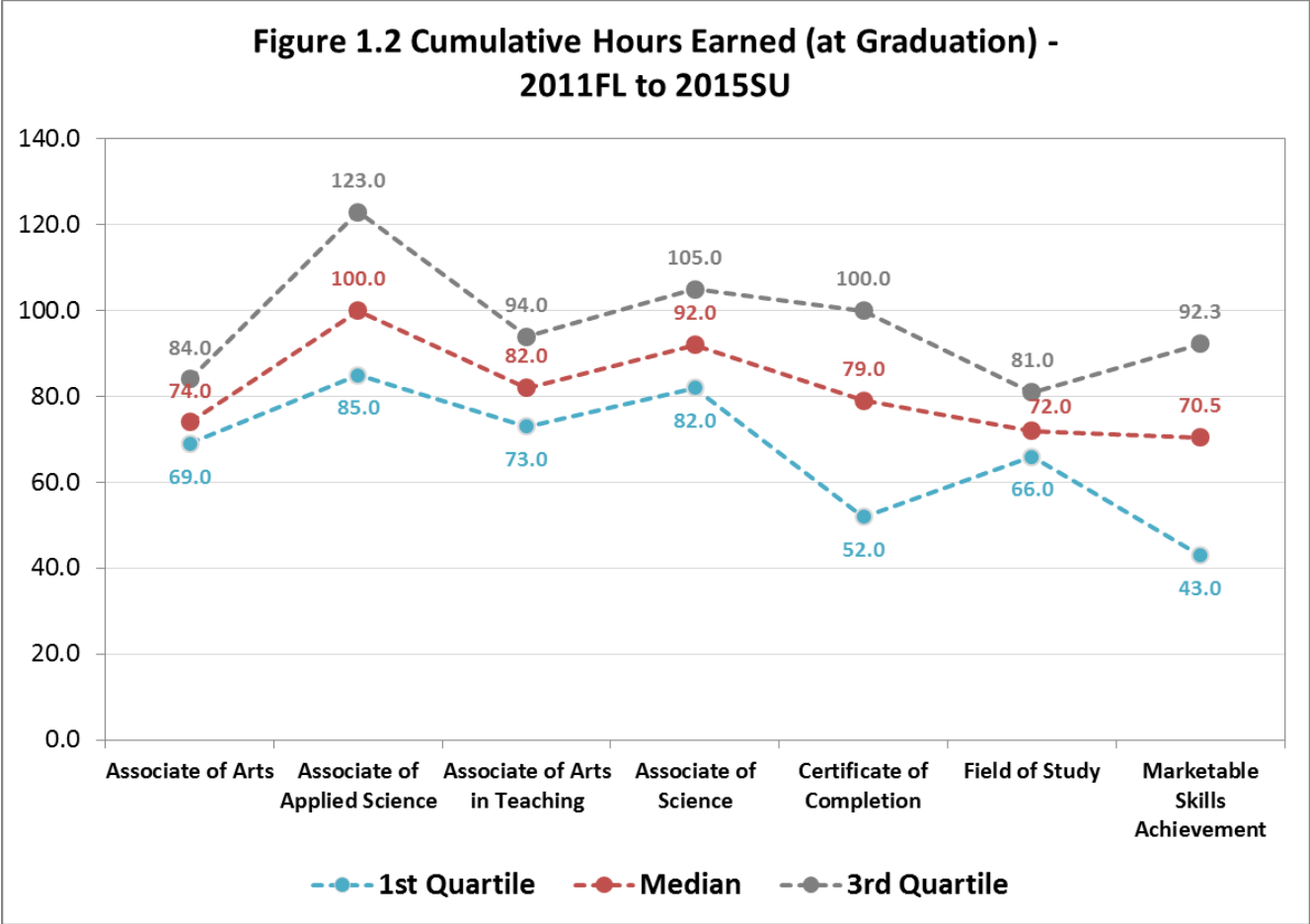
## 1. Cumulative Hours Earned at Graduation

In this section, cumulative hours earned at graduation is presented. Cumulative hours earned was defined as all earned TCCD hours including developmental hours and all earned transfer-in hours. The mean cumulative hours earned at graduation is presented in Figure 1.1. For example, there were 12,901 Associate of Arts (AAR) awarded between 2011FL and 2015SU. The mean number of hours completed for students who earned an AAR degree was 79.0 hours. Overall, for students who earned as associate degree, students who earned an Associate of Applied Science (AAS) had the most hours at graduation, and students who earned an AAR degree had the fewest hours at graduation.



Source: DA Degrees, ST Student Summary General, and IR Students with GPA, Cum. Hours and Program  
The figure above was produced using the "Total" section of the data table.

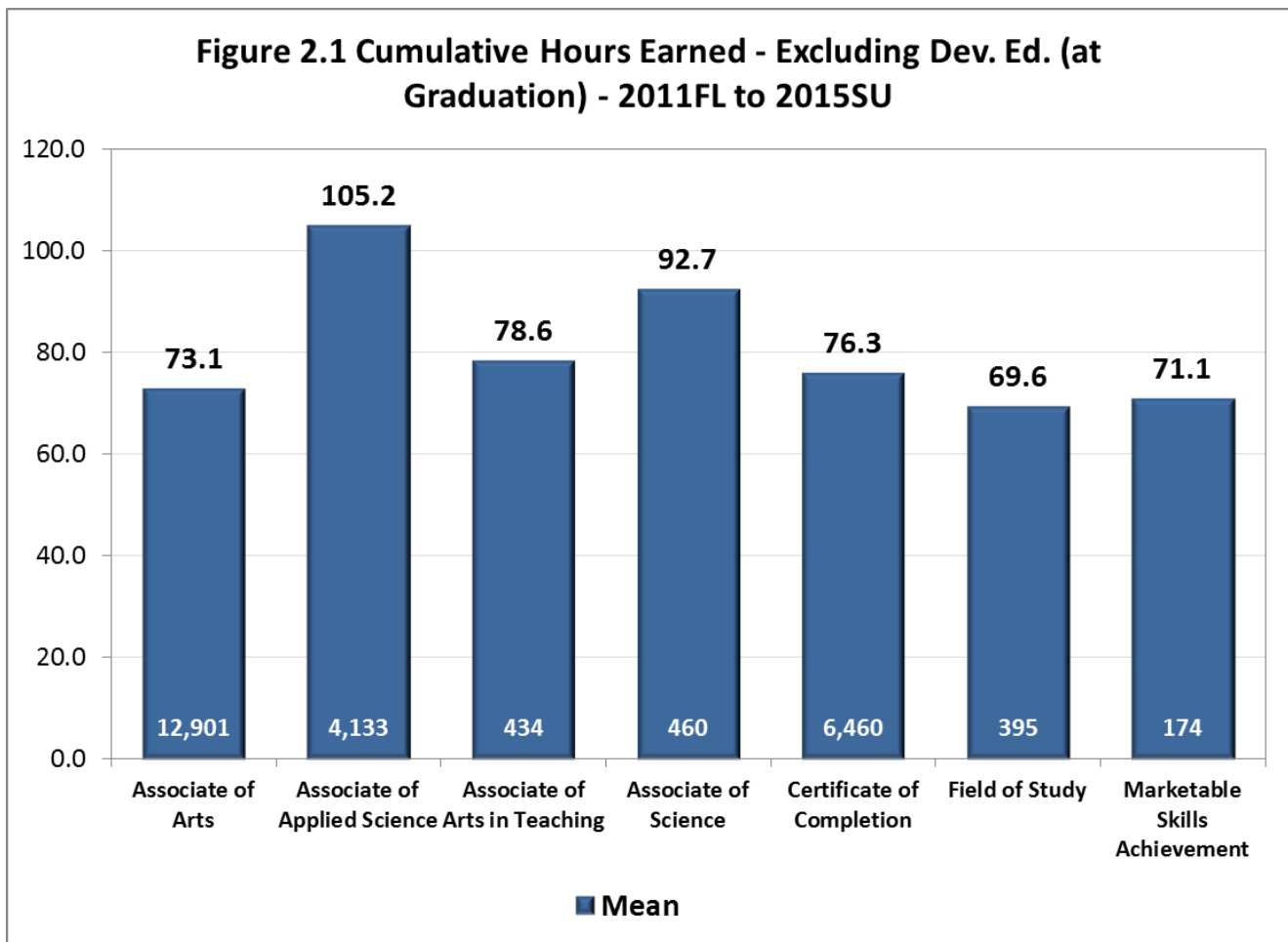
Figure 1.2 shows the distribution (1<sup>st</sup> quartile, median, 3<sup>rd</sup> quartile) of cumulative hours earned at graduation. For example, for students who earned an AAR, 25% of students had 69.0 or fewer earned hours at graduation; 50.0% of students had 74.0 or fewer earned hours, and 75% of students had 84.0 or fewer earned hours. Of students who earned associate degrees, students who earned an AAS had the largest variability in earned hours.



Source: DA Degrees, ST Student Summary General, and IR Students with GPA, Cum. Hours and Program  
 The figure above was produced using the "Total" section of the data table.

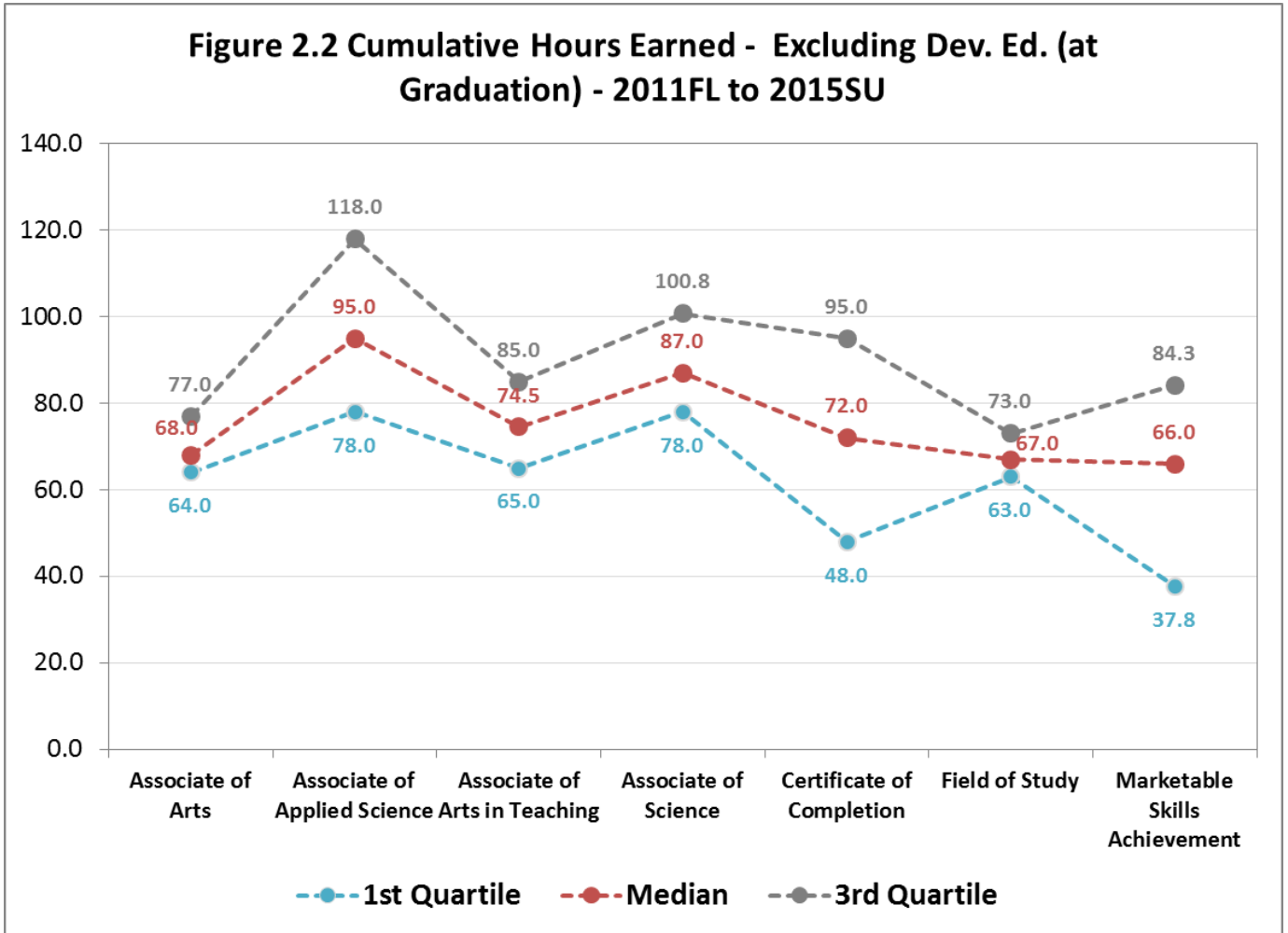
## 2. Cumulative Hours Earned Excluding Dev. Ed. at Graduation

In this section, cumulative hours earned - excluding developmental education - at graduation is presented. Cumulative hours earned was defined as all earned TCCD hours excluding developmental hours and all earned transfer-in hours. The mean cumulative hours earned at graduation is presented in Figure 2.1. For example, there were 12,901 Associate of Arts (AAR) awarded between 2011FL and 2015SU. The mean number of hours completed for students who earned an AAR degree was 73.1 hours. Overall, for students who earned as associated degree, students who earned an Associate of Applied Science (AAS) had the most hours at graduation, and students who earned an AAR degree had the fewest hours at graduation.



Source: DA Degrees, ST Student Summary General, and IR Students with GPA, Cum. Hours and Program  
 The figure above was produced using the "Total" section of the data table.

Figure 2.2 shows the distribution (1<sup>st</sup> quartile, median, 3<sup>rd</sup> quartile) of cumulative hours earned – excluding developmental education - at graduation. For example, for students who earned an AAR, 25% of students had 64.0 or fewer earned hours at graduation; 50.0% of students had 68.0 or fewer earned hours, and 75% of students had 77.0 or fewer earned hours. Of students who earned associate degrees, students who earned an AAS had the largest variability in earned hours.



Source: DA Degrees, ST Student Summary General, and IR Students with GPA, Cum. Hours and Program  
 The figure above was produced using the "Total" section of the data table.

## Data Table: Cumulative Hours Earned (at Graduation)

Academic Year	Degree Type		Total Degrees	Cumulative Hours Earned (at Graduation)					Cumulative Hours Earned - Excluding Dev. Ed. (at Graduation)						
				Mean	Std. Deviation	1st Quartile	Median	3rd Quartile	IQR	Mean	Std. Deviation	1st Quartile	Median	3rd Quartile	IQR
2011-2012	Associate of Arts	AAR	2,457	79.3	14.6	70.0	75.0	84.0	14.0	73.3	14.8	65.0	68.0	77.0	12.0
	Associate of Applied Science	AAS	916	111.1	37.5	86.0	100.0	123.0	37.0	106.5	38.3	80.0	96.0	120.0	40.0
	Associate of Arts in Teaching	AAT	82	85.3	19.3	72.8	80.5	91.3	18.5	78.1	19.9	65.0	73.0	85.0	20.0
	Associate of Science	ASC	78	97.9	21.7	81.8	94.5	108.0	26.3	93.5	21.2	78.8	88.5	100.3	21.5
	Certificate of Completion	CRT	1,095	73.1	43.5	42.0	71.0	94.0	52.0	69.8	43.2	37.0	66.0	90.0	53.0
	Field of Study	FOS	91	74.8	14.7	65.0	73.0	82.0	17.0	69.9	14.2	63.0	67.0	73.0	10.0
	<b>Total</b>	<b>Total</b>	<b>4,719</b>	<b>84.4</b>	<b>32.0</b>	<b>70.0</b>	<b>78.0</b>	<b>95.0</b>	<b>25.0</b>	<b>79.3</b>	<b>32.2</b>	<b>64.0</b>	<b>72.0</b>	<b>89.0</b>	<b>25.0</b>
2012-2013	Associate of Arts	AAR	2,902	79.7	16.0	69.0	75.0	85.0	16.0	73.6	16.2	65.0	68.0	78.0	13.0
	Associate of Applied Science	AAS	1,030	110.0	36.1	85.0	100.0	123.0	38.0	105.0	37.4	79.0	95.0	118.3	39.3
	Associate of Arts in Teaching	AAT	94	84.6	18.8	71.8	81.0	91.0	19.3	77.9	20.2	62.8	74.0	85.3	22.5
	Associate of Science	ASC	94	96.2	22.1	81.8	90.5	103.3	21.5	92.5	22.0	80.0	88.0	101.0	21.0
	Certificate of Completion	CRT	1,615	78.2	43.9	48.0	76.0	99.0	51.0	73.8	43.3	44.0	69.0	92.0	48.0
	Field of Study	FOS	92	73.3	14.2	66.0	71.5	78.8	12.8	67.7	13.2	61.0	66.0	71.8	10.8
	<b>Total</b>	<b>Total</b>	<b>5,827</b>	<b>84.9</b>	<b>32.4</b>	<b>69.0</b>	<b>79.0</b>	<b>96.0</b>	<b>27.0</b>	<b>79.5</b>	<b>32.6</b>	<b>64.0</b>	<b>71.0</b>	<b>89.0</b>	<b>25.0</b>
2013-2014	Associate of Arts	AAR	3,626	79.7	16.7	69.0	75.0	84.0	15.0	73.6	17.0	64.0	68.0	77.0	13.0
	Associate of Applied Science	AAS	1,138	109.8	37.0	84.0	99.0	122.3	38.3	104.3	37.9	77.0	94.0	117.0	40.0
	Associate of Arts in Teaching	AAT	130	87.9	17.4	75.0	85.0	98.0	23.0	80.8	17.6	68.0	79.0	87.0	19.0
	Associate of Science	ASC	124	96.3	22.9	82.0	91.0	101.8	19.8	91.3	23.6	76.3	85.0	97.0	20.8
	Certificate of Completion	CRT	1,875	82.0	42.9	55.0	80.0	103.0	48.0	77.4	42.9	49.0	74.0	97.0	48.0
	Field of Study	FOS	84	74.8	17.0	65.3	71.0	81.8	16.5	69.2	16.5	60.3	66.0	73.0	12.8
	Marketable Skills Achievement	MSA	30	55.0	30.2	30.8	59.0	78.3	47.5	48.7	27.3	24.0	54.5	71.3	47.3
	<b>Total</b>	<b>Total</b>	<b>7,007</b>	<b>85.5</b>	<b>31.7</b>	<b>70.0</b>	<b>79.0</b>	<b>95.0</b>	<b>25.0</b>	<b>79.9</b>	<b>32.0</b>	<b>64.0</b>	<b>72.0</b>	<b>89.0</b>	<b>25.0</b>
2014-2015	Associate of Arts	AAR	3,916	77.7	17.0	68.0	73.0	82.0	14.0	72.2	17.3	64.0	67.0	75.0	11.0
	Associate of Applied Science	AAS	1,049	110.7	38.2	84.0	101.0	124.0	40.0	105.3	39.2	77.0	96.0	118.0	41.0
	Associate of Arts in Teaching	AAT	128	84.1	20.0	70.3	81.0	92.0	21.8	77.1	19.5	65.0	72.0	83.0	18.0
	Associate of Science	ASC	164	98.4	24.4	82.0	91.5	107.8	25.8	93.5	24.2	77.0	87.0	101.0	24.0
	Certificate of Completion	CRT	1,875	85.7	41.9	63.0	83.0	102.0	39.0	81.0	41.8	59.0	76.0	98.0	39.0
	Field of Study	FOS	128	77.2	15.6	67.0	74.5	84.0	17.0	70.9	14.2	64.0	67.0	76.0	12.0
	Marketable Skills Achievement	MSA	144	79.6	52.0	46.5	72.0	94.8	48.3	75.8	52.6	43.3	67.0	90.5	47.3
<b>Total</b>	<b>Total</b>	<b>7,404</b>	<b>85.0</b>	<b>31.8</b>	<b>68.0</b>	<b>77.0</b>	<b>95.0</b>	<b>27.0</b>	<b>79.7</b>	<b>32.0</b>	<b>64.0</b>	<b>71.0</b>	<b>89.0</b>	<b>25.0</b>	
<b>Total</b>	Associate of Arts	AAR	12,901	79.0	16.3	69.0	74.0	84.0	15.0	73.1	16.5	64.0	68.0	77.0	13.0
	Associate of Applied Science	AAS	4,133	110.4	37.2	85.0	100.0	123.0	38.0	105.2	38.2	78.0	95.0	118.0	40.0
	Associate of Arts in Teaching	AAT	434	85.6	18.9	73.0	82.0	94.0	21.0	78.6	19.2	65.0	74.5	85.0	20.0
	Associate of Science	ASC	460	97.3	23.1	82.0	92.0	105.0	23.0	92.7	23.0	78.0	87.0	100.8	22.8
	Certificate of Completion	CRT	6,460	80.6	43.2	52.0	79.0	100.0	48.0	76.3	42.9	48.0	72.0	95.0	47.0
	Field of Study	FOS	395	75.2	15.4	66.0	72.0	81.0	15.0	69.6	14.5	63.0	67.0	73.0	10.0
	Marketable Skills Achievement	MSA	174	75.4	49.7	43.0	70.5	92.3	49.3	71.1	50.2	37.8	66.0	84.3	46.5
	<b>Total</b>	<b>Total</b>	<b>24,957</b>	<b>85.0</b>	<b>32.0</b>	<b>69.0</b>	<b>78.0</b>	<b>95.0</b>	<b>26.0</b>	<b>79.6</b>	<b>32.2</b>	<b>64.0</b>	<b>71.0</b>	<b>89.0</b>	<b>25.0</b>

Source: DA Degrees, ST Student Summary General, and IR Students with GPA, Cum. Hours and Program