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**NSSE 2020**  
**Multi-Year Report**  
University of Central Missouri

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## About Your Multi-Year Report

### Report sections

Results for ten EIs and selected individual survey items are displayed, organized under four broad themes. The Academic Challenge theme is represented by four EIs as well as several individual items. The three remaining engagement themes (Learning

### Interpreting year-to-year results

### For further investigation

The Report Builder, updated with current data in the fall, allows for multi-year analysis of Engagement Indicators and individual items (including HIPs). It also affords the analysis of results by subpopulation.

# NSSE 2020 Multi-Year Report

## Administration Summaries

### University of Central Missouri

The precision of an institution's population estimates can vary between administrations. An important early step in conducting a multi-year analysis is to review data quality. The values in the tables below were drawn from your *Administration Summary* reports.

#### Response Details by Participation Year

First-year students						Seniors				
Year	Response rate <sup>a</sup>	Sampling error <sup>b</sup>	Total respondents <sup>c</sup>	Full completions	Partial completions	Response rate <sup>a</sup>	Sampling error <sup>b</sup>	Total respondents <sup>c</sup>	Full completions	Partial completions
2013	26%	+/- 4.1%	435	363	72	28%	+/- 3.6%	543	483	60
2014										
2015										
2016										
2017	8%	+/- 8.1%	136	89	47	9%	+/- 6.0%	242	172	70
2018										
2019										
2020	18%	+/- 5.1%	306	203	103	16%	+/- 4.4%	421	303	118

#### Administration Details by Participation Year

Year	Recruitment method	Sample type	Incentives offered	Additional question sets	Report Sample identified <sup>d</sup>	BCSSE	FSSE
2013	Email	Census	Yes	Civic Engagement	No	No	No
2014							
2015							
2016							
2017	Email	Census	No	Civic Engagement	No	No	No
2018							
2019							
2020	Email	Census	Yes	FY Experiences / Sr Transitions, Inclusiv & Cult Div	No	No	No

Note: All of your institution's participation years since 2013 (the first year of the updated NSSE) are reported. Years in which your institution did not participate are blank.

- Response rates (number of respondents divided by sample size) are adjusted for ineligibility, nondeliverable addresses, and students who were unavailable during the survey administration.
- Sampling error gauges the precision of results based on a sample survey. It is an estimate (at the 95% confidence level) of how much survey item percentages for your respondents could differ from those of the entire population of students at your institution. While data with larger sampling errors (such as +/-10%) need not be dismissed out of hand, such results should be interpreted more conservatively.
- Count used to calculate response rates and sampling errors for each *Administration Summary* report. Includes all census-administered and randomly sampled students, regardless of "Report Sample" designation.
- Starting in 2017, institutions had the option to flag a subset of students for exclusion from reports. Refer to your *Administration Summary* reports.

# NSSE 2020 Multi-Year Report

## Engagement Results by Theme

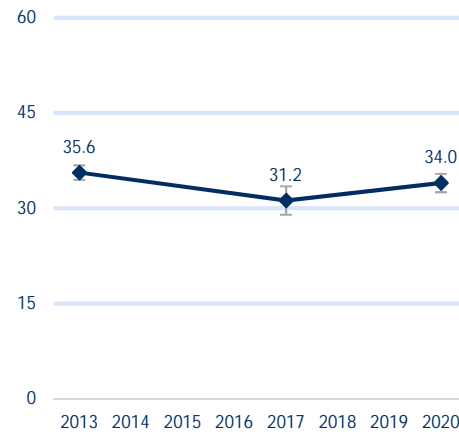
### University of Central Missouri

Engagement Indicators (EIs) represent the average student responses to a set of related survey questions. The Academic Challenge theme contains four EIs as well as several important individual items. See pages 10-12 for detailed statistics. For more information, including the items that make up each EI, refer to your *Engagement Indicators* report.

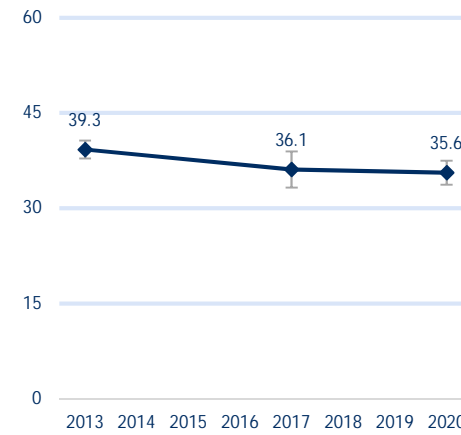
#### Academic Challenge: First-year students

##### Higher-Order Learning

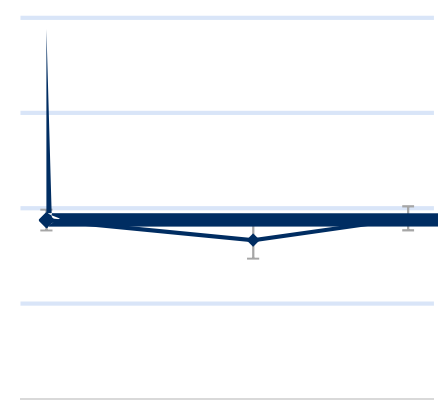
##### Reflective & Integrative Learning



##### Learning Strategies



##### Quantitative Reasoning



#### Academic Challenge (additional items): First-year students

##### Preparing for Class (hrs/wk)

##### Course Reading (hrs/wk)<sup>a</sup>

##### Assigned Writing (pages)<sup>a</sup>

##### Course Challenge<sup>b</sup>

##### Academic Emphasis<sup>c</sup>

a. Values for Course Reading and Assigned Writing are estimates calculated from two or more survey questions. The Course Reading item changed in 2014; comparability between 2013 and later years is limited.

b. Extent to which courses challenged students to do their best work (1 = "Not at all" to 7 = "Very much").

c. How much students said the institution emphasizes spending significant time studying and on academic work (1 = "Very little," 2 = "Some," 3 = "Quite a bit," and 4 = "Very much").

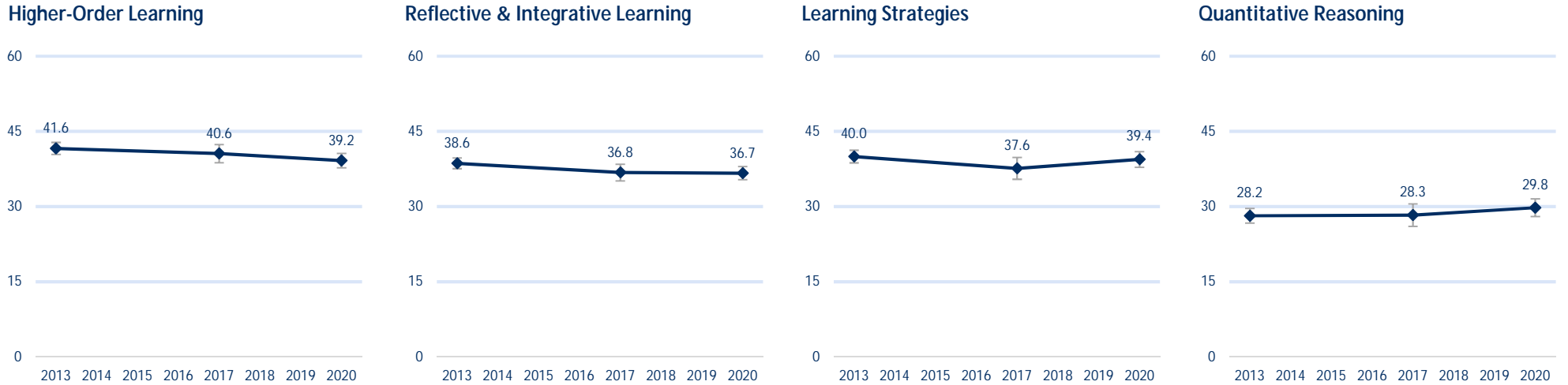
# NSSE 2020 Multi-Year Report

## Engagement Results by Theme

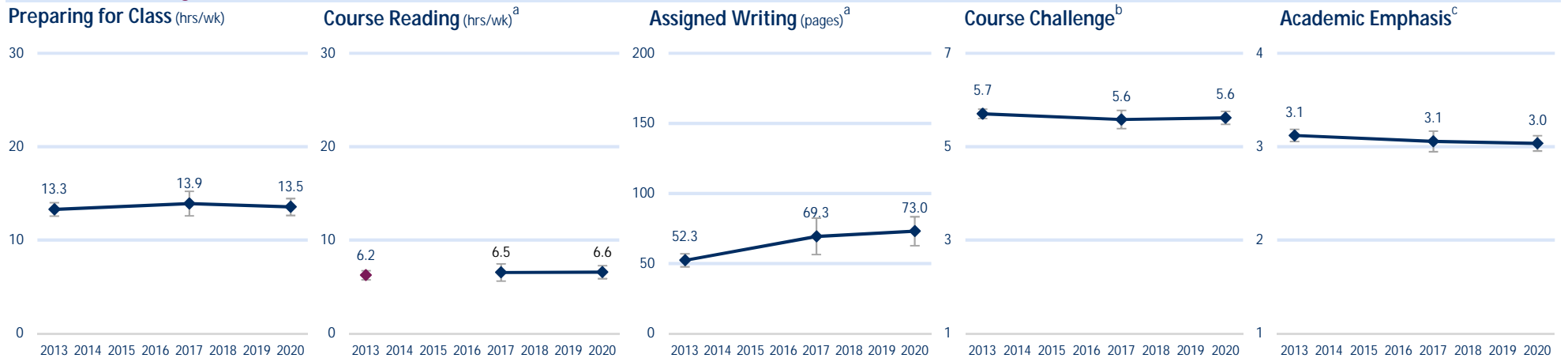
### University of Central Missouri

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#### Academic Challenge: Seniors



#### Academic Challenge (additional items): Seniors



a. Values for Course Reading and Assigned Writing are estimates calculated from two or more survey questions. The Course Reading item changed in 2014; comparability between 2013 and later years is limited.

b. Extent to which courses challenged students to do their best work (1 = "Not at all" to 7 = "Very much").

c. How much students said the institution emphasizes spending significant time studying and on academic work (1 = "Very little," 2 = "Some," 3 = "Quite a bit," and 4 = "Very much").

**Learning with Peers: First-year students**

Collaborative Learning

Discussions with Diverse Others

**Experiences with Faculty: First-year students**

Student-Faculty Interaction

Effective Teaching Practices



Learning with Peers: Seniors

Experiences with Faculty: Seniors



# NSSE 2020 Multi-Year Report

## High-Impact Practices

### University of Central Missouri

Due to their positive associations with student learning and retention, special undergraduate opportunities are designated "high-impact." The figures below display first-year students' participation, or intent to participate, in High-Impact Practices (HIPs) by year. See page 13 for detailed statistics. For more information, refer to your *High-Impact Practices* report.

#### High-Impact Practices: First-year students

##### Service-Learning

(Some, most, or all courses)

##### Learning Community

(Done or in progress)

##### Research with Faculty

(Done or in progress)

##### Overall first-year HIP participation

The figure below displays the percentages of first-year students who participated in at least one high-impact practice. The figure is limited to participation in service-learning, a learning community, and research with faculty.

##### Internship/Field Experience

(Plan to do)

##### Study Abroad

(Plan to do)

##### Culminating Senior Experience

(Plan to do)





	2013	2014	2015	2016	2017	2018	2019	2020	2013	2014	2015	2016	2017	2018	2019	2020
<b>Academic Challenge</b>																
Mean	<b>39.5</b>				<b>34.9</b>			<b>36.5</b>	<b>41.6</b>				<b>40.6</b>			<b>39.2</b>
n	397				118			234	509				219			356
SD	13.6				14.4			13.4	13.8				13.6			13.8
SE	.68				1.33			.87	.61				.92			.73
CI upper bound	40.8				37.5			38.2	42.8				42.4			40.6
CI lower bound	38.2				32.3			34.8	40.4				38.8			37.7
Mean	<b>35.6</b>				<b>31.2</b>			<b>34.0</b>	<b>38.6</b>				<b>36.8</b>			<b>36.7</b>
n	407				123			261	525				225			381
SD	11.8				12.7			11.9	12.5				12.7			13.0
SE	.59				1.15			.74	.55				.84			.67
CI upper bound	36.8				33.5			35.4	39.7				38.4			38.0
CI lower bound	34.5				29.0			32.5	37.6				35.1			35.4
Mean	<b>39.3</b>				<b>36.1</b>			<b>35.6</b>	<b>40.0</b>				<b>37.6</b>			<b>39.4</b>
n	379				100			216	495				187			329
SD	13.9				14.6			14.2	14.3				15.1			14.5
SE	.71				1.46			.97	.64				1.11			.80
CI upper bound	40.6				39.0			37.5	41.2				39.8			41.0
CI lower bound	37.9				33.2			33.7	38.7				35.5			37.8
Mean	<b>28.1</b>				<b>25.0</b>			<b>28.4</b>	<b>28.2</b>				<b>28.3</b>			<b>29.8</b>
n	403				114			222	521				214			335
SD	16.7				15.9			14.4	17.1				16.7			16.3
SE	.83				1.49			.97	.75				1.14			.89
CI upper bound	29.8				27.9			30.3	29.6				30.5			31.5
CI lower bound	26.5				22.0			26.5	26.7				26.1			28.0
<b>Academic Challenge (additional items)</b>																
Mean	<b>13.2</b>				<b>14.8</b>			<b>13.4</b>	<b>13.3</b>				<b>13.9</b>			<b>13.5</b>
n	362				90			211	490				174			313
SD	7.7				8.8			7.3	8.1				8.9			8.2
SE	.41				.93			.50	.37				.67			.46
CI upper bound	14.0				16.6			14.4	14.0				15.2			14.5
CI lower bound	12.4				12.9			12.4	12.6				12.6			12.6
<b>Course Reading</b>																
Mean	<b>5.9</b>				<b>6.1</b>			<b>5.7</b>	<b>6.2</b>				<b>6.5</b>			<b>6.6</b>
n	361				89			210	487				174			313
SD	5.0				5.7			5.7	5.5				6.2			6.3
SE	.26				.60			.39	.25				.47			.36
CI upper bound	6.4				7.3			6.5	6.7				7.5			7.3
CI lower bound	5.4				4.9			5.0	5.8				5.6			5.9

# NSSE 2020 Multi-Year Report

## Detailed Statistics: Engagement Indicators and Additional Items

### University of Central Missouri

		First-year students							Seniors								
		2013	2014	2015	2016	2017	2018	2019	2020	2013	2014	2015	2016	2017	2018	2019	2020
<i>Academic Challenge (additional items, continued)</i>																	
Mean	43.5				37.9				47.2	52.3				69.3		73.0	
n	347				101				220	468				188		336	
SD	77.2				39.6				72.0	51.5				90.6		96.5	
SE	4.14				3.94				4.85	2.38				6.61		5.27	
CI upper bound	51.7				45.6				56.7	56.9				82.3		83.4	

# NSSE 2020 Multi-Year Report

## Detailed Statistics: Engagement Indicators and Additional Items

### University of Central Missouri

		First-year students							Seniors								
		2013	2014	2015	2016	2017	2018	2019	2020	2013	2014	2015	2016	2017	2018	2019	2020
<b>Experiences with Faculty</b>																	
	Mean	21.9				21.6			23.8	28.1				25.5		25.9	
	n	402				122			246	519				221		370	
	SD	14.9				15.9			14.1	16.2				17.8		16.3	
	SE	.74				1.45			.90	.71				1.20		.85	
	CI upper bound	23.3				24.5			25.5	29.5				27.8		27.6	
	CI lower bound	20.4				18.8			22.0	26.7				23.1		24.2	
	Mean	40.5				37.8			37.8	43.0				40.4		41.3	
	n	406				116			231	525				214		347	
	SD	12.9				13.5			12.3	13.1				13.9		13.2	
	SE	.64				1.25			.81	.57				.95		.71	
	CI upper bound	41.7				40.3			39.4	44.2				42.2		42.7	
	CI lower bound	39.2				35.4			36.3	41.9				38.5		39.9	
<b>Campus Environment</b>																	
	Mean	42.7				40.3			43.0	44.1				43.5		45.0	
	n	375				95			205	488				168		287	
	SD	11.1				13.6			11.9	11.3				11.5		10.3	
	SE	.57				1.40			.83	.51				.89		.61	
	CI upper bound	43.8				43.0			44.6	45.1				45.2		46.2	
	CI lower bound	41.5				37.5			41.3	43.1				41.7		43.8	
	Mean	37.7				32.8			33.4	34.7				31.1		31.3	
	n	363				90			213	487				176		314	
	SD	12.8				13.3			11.9	13.5				14.7		14.5	
	SE	3.9				3.9			3.8	3.7				3.7		3.6	

# NSSE 2020 Multi-Year Report

## Detailed Statistics: High-Impact Practices

### University of Central Missouri

		First-year students							Seniors								
		2013	2014	2015	2016	2017	2018	2019	2020	2013	2014	2015	2016	2017	2018	2019	2020
<b>Service-Learning<sup>a</sup></b>	%	52				40			46	69				65		66	
	n	375				101			216	504				185		315	
	SE	2.6				4.9			3.4	2.1				3.5		2.7	
	CI upper bound (%)	57				50			53	73				72		71	
	CI lower bound (%)	47				30			39	65				58		61	
<b>Learning Community<sup>a</sup></b>	%	24				9			10	32				23		30	
	n	380				99			216	505				184		320	
	SE	2.2				2.9			2.0	2.1				3.1		2.6	
	CI upper bound (%)	28				15			14	36				29		35	
	CI lower bound (%)	19				4			6	28				17		25	
<b>Research with Faculty<sup>a</sup></b>	%	5				6			3	22				21		22	
	n	380				101			216	505				184		316	
	SE	1.1				2.4			1.2	1.8				3.0		2.3	
	CI upper bound (%)	8				11			6	26				26		27	
	CI lower bound (%)	3				1			1	18				15		17	
<b>Internship or Field Experience<sup>b</sup></b> (First-year results: Plan to do)	%	79				73			73	44				48		50	
	n	383				102			216	508				185		323	
	SE	2.1				4.4			3.0	2.2				3.7		2.8	
	CI upper bound (%)	83				82			79	48				55		55	
	CI lower bound (%)	75				65			67	39				40		45	
<b>Study Abroad<sup>b</sup></b> (First-year results: Plan to do)	%	31				30			28	7				10		12	
	n	380				101			216	507				185		318	
	SE	2.4				4.6			3.0	1.1				2.2		1.8	
	CI upper bound (%)	35				39			34	9				14		15	
	CI lower bound (%)	26				21			22	4				6		8	
<b>Culminating Senior Experience<sup>b</sup></b> (First-year results: Plan to do)	%	52				43			39	40				49		44	
	n	381				100			216	504				182		320	
	SE	2.6				5.0			3.3	2.2				3.7		2.8	
	CI upper bound (%)	57				53			46	45				56		50	
	CI lower bound (%)	47				34			33	36				42		39	
<b>Overall HIP Participation<sup>c</sup></b>																	
<b>Participated in one HIP</b>	%	46				37			43	25				23		23	
	n	383				102			216	508				186		325	
	SE	2.6				4.8			3.4	1.9				3.1		2.3	
	CI upper bound (%)	51				46			49	28				29		28	
	CI lower bound (%)	41				27			36	21				17		18	
<b>Participated in two or more HIPs</b>	%	16				9			8	63				64		63	
	n	383				102			216	508				186		325	
	SE	1.9				2.9			1.9	2.1				3.5		2.7	
	CI upper bound (%)	20				15			12	67				71		68	
	CI lower bound (%)	12				4			4	58				57		57	

Notes: n = Number of respondents; SE = Standard error of the proportion ( $\sqrt{p * (1 - p) / (n - 1)}$ ) where p is the proportion; upper and lower bounds represent the 95% confidence interval ( $p \pm 1.96 * SE$ ).

a. Results are the percentage who had done the activity.

b. First-year results are the percentage who planned to do the activity; Senior results are the percentage who had done the activity.

c. First-year results are limited to participation in a Learning Community, Service-Learning, and Research with Faculty; senior results include all six HIPs.