

Academic Challenge: Seniors

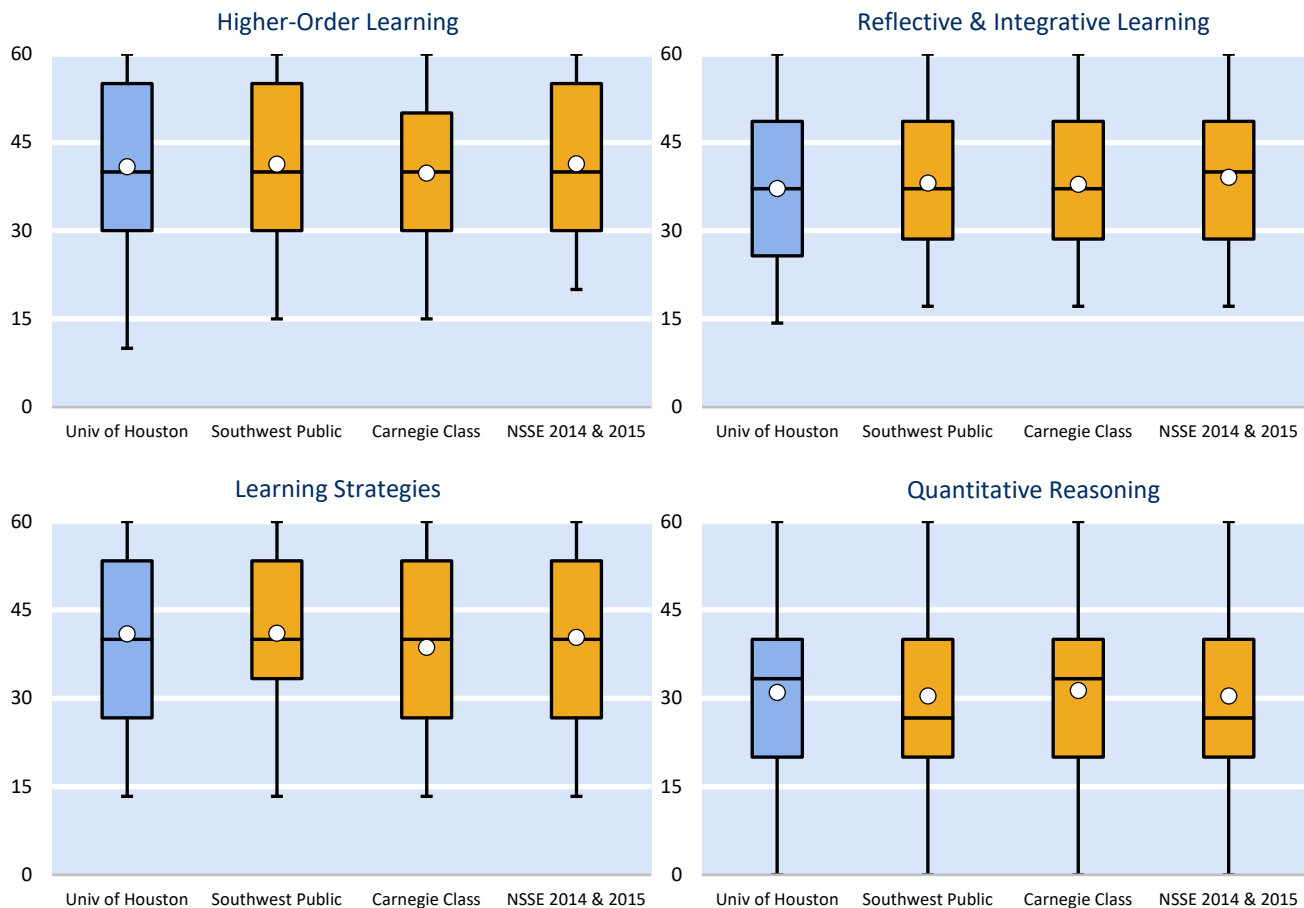
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *Reflective & Integrative Learning*, *Learning Strategies*, and *Quantitative Reasoning*. Below and on the next page are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	Univ of Houston Mean	Your seniors compared with					
		Southwest Public Mean	Southwest Public Effect size	Carnegie Class Mean	Carnegie Class Effect size	NSSE 2014 & 2015 Mean	NSSE 2014 & 2015 Effect size
Higher-Order Learning	40.8	41.3	-.03	39.8	.07	41.4	-.04
Reflective & Integrative Learning	37.2	38.1	-.07	37.8	-.05	39.1 ***	-.14
Learning Strategies	40.9	41.0	-.01	38.6 ***	.15	40.3	.04
Quantitative Reasoning	31.0	30.4	.04	31.3	-.02	30.4	.04

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding; * $p < .05$, ** $p < .01$, *** $p < .001$ (2-tailed).





































































Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Academic Challenge: Seniors (continued)

Summary of Indicator Items

	Univ of Houston	Southwest Public	Carnegie Class	NSSE 2014 & 2015
Higher-Order Learning				
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>	%	%	%	%
4b. Applying facts, theories, or methods to practical problems or new situations	79 	79 	78 	80 
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	76 	78 	75 	78 
4d. Evaluating a point of view, decision, or information source	69 	72 	66 	72 
4e. Forming a new idea or understanding from various pieces of information	73 	73 	68 	73 
Reflective & Integrative Learning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	71 	70 	72 	72 
2b. Connected your learning to societal problems or issues	57 	61 	61 	65 
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	45 	51 	50 	55 
2d. Examined the strengths and weaknesses of your own views on a topic or issue	61 	65 	63 	67 
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	69 	69 	68 	71 
2f. Learned something that changed the way you understand an issue or concept	69 	68 	69 	70 
2g. Connected ideas from your courses to your prior experiences and knowledge	81 	82 	82 	84 
Learning Strategies				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	81 	82 	80 	83 
9b. Reviewed your notes after class	69 	67 	59 	63 
9c. Summarized what you learned in class or from course materials	64 	68 	62 	66 
Quantitative Reasoning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	61 	56 	58 	56 
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	46 	46 	46 	46 
6c. Evaluated what others have concluded from numerical information	46 	44 	49 	46 

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.