In your experience at your institution during the current school year, about how often have you done each of the following?

*Put together ideas or concepts from different courses when completing assignments or during class discussions*

If difference is significant in the most recent year by at least the p<0.05 level, then the Effect Size is noted. Effect Size (ES) measures practical significance when comparing means. An ES of .1-.29 is Small; .3-.49 is Medium; .5-.69 is Large; and .7 or greater is Very Large.
General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

In your experience at your institution during the current school year, about how often have you done each of the following?

*Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)*

If difference is significant in the most recent year by at least the p<0.05 level, then the Effect Size is noted. Effect Size (ES) measures practical significance when comparing means. An ES of .1-.29 is Small; .3-.49 is Medium; .5-.69 is Large; and .7 or greater is Very Large.
General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

During the current school year, how much has your coursework emphasized the following mental activities?

**Analyzing the basic elements of an idea, experience, or theory, such as examining a particular case or situation in depth and considering its components**

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**ANALYZE**
First Year Students

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>IUN</th>
<th>Urban Universities</th>
<th>Carnegie Campus Peers</th>
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**ANALYZE**
Seniors

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General Education Principle 3
Critical Thinking, Integration and Application of Knowledge
During the current school year, how much has your coursework emphasized the following mental activities?

*Synthesizing and organizing ideas, information, or experiences into new, more complex interpretations and relationships.*

If difference is significant in the most recent year by at least the p<0.05 level, then the Effect Size is noted. Effect Size (ES) measures practical significance when comparing means. An ES of .1-.29 is Small; .3-.49 is Medium; .5-.69 is Large; and .7 or greater is Very Large.
General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

During the current school year, how much has your coursework emphasized the following mental activities?

Making judgments about the value of information, arguments, or methods, such as examining how others gathered and interpreted data and assessing the soundness of their conclusions.

If difference is significant in the most recent year by at least the p<0.05 level, then the Effect Size is noted. Effect Size (ES) measures practical significance when comparing means. An ES of .1-.29 is Small; .3-.49 is Medium; .5-.69 is Large; and .7 or greater is Very Large.
General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

During the current school year, how much has your coursework emphasized the following mental activities?

**Applying theories or concepts to practical problems or in new situations**

![Bar Chart](image)

If difference is significant in the most recent year by at least the p<0.05 level, then the Effect Size is noted. Effect Size (ES) measures practical significance when comparing means. An ES of .1-.29 is Small; .3-.49 is Medium; .5-.69 is Large; and .7 or greater is Very Large.
General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

During the school year, about how often have you done each of the following?

Examined the strengths and weaknesses of your own views on a topic or issue

If difference is significant in the most recent year by at least the $p<0.05$ level, then the Effect Size is noted. Effect Size (ES) measures *practical* significance when comparing means. An ES of .1-.29 is Small; .3-.49 is Medium; .5-.69 is Large; and .7 or greater is Very Large.
General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

During the school year, about how often have you done each of the following?

*Tried to better understand someone else’s views by imagining how an issue looks from his or her perspective*

![Bar chart for First Year Students](chart1)

![Bar chart for Seniors](chart2)

If difference is significant in the most recent year by at least the p<0.05 level, then the Effect Size is noted. Effect Size (ES) measures practical significance when comparing means. An ES of .1-.29 is Small; .3-.49 is Medium; .5-.69 is Large; and .7 or greater is Very Large.
General Education Principle 3
Critical Thinking, Integration and Application of Knowledge
During the school year, about how often have you done each of the following?

Learned something that changed the way you understand an issue or concept.

If difference is significant in the most recent year by at least the p<0.05 level, then the Effect Size is noted. Effect Size (ES) measures practical significance when comparing means. An ES of .1-.29 is Small; .3-.49 is Medium; .5-.69 is Large; and .7 or greater is Very Large.
Results for Indiana University Northwest 2004 through 2012

General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

Which of the following have you done or do you plan to do before you graduate from your institution?

*Worked on a research project with a faculty member outside of course or program requirements*

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General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

**Thinking critically and analytically**

![Bar chart for First Year Students](chart1)

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<td>2012</td>
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</table>

![Bar chart for Seniors](chart2)

<table>
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Results for Indiana University Northwest
2004 through 2012

General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

Learning effectively on your own

If difference is significant in the most recent year by at least the p<0.05 level, then the Effect Size is noted. Effect Size (ES) measures practical significance when comparing means. An ES of .1-.29 is Small; .3-.49 is Medium; .5-.69 is Large; and .7 or greater is Very Large.
General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

*Solving complex real-world problems*

![Graph showing mean response for First Year Students and Seniors](image)