# Undergraduate Degree Program

## Program - CASE Behavioral Neuroscience SLO (BS)

### Mission Statement

The B.S. in Behavioral Neuroscience degree program is the first STEM program offered through the Department of Psychology, reflecting a growing field-wide emphasis on neuroscience in experimental and clinical psychology. The BSBN provides a rigorous undergraduate education with an emphasis in science-based clinical neuroscience, systems and behavioral neuroscience, neuroplasticity, mental health disorders, research methodology, statistics, and data analysis, in addition to foundational STEM courses needed to fulfill the competitive requirements of the fastest growing career sectors for medical and science-based professional career paths. As an institution that serves an underrepresented population generally, and specifically in the field of neuroscience, the BSBN educates and trains a largely underrepresented minority in the field, promoting diversity of thought and background.

### Psychology

#### Outcomes

FIU graduates should be able to achieve the following:

<table>
<thead>
<tr>
<th>Content Knowledge and Skills (including Technology)</th>
<th>Direct Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundational Principles</td>
<td>Procedure:</td>
</tr>
<tr>
<td>Graduating students will be able to discuss foundational principles of neuroscience.</td>
<td>Assessment Instrument: Rubric</td>
</tr>
<tr>
<td></td>
<td>Assessment Method: Students’ Behavioral and Experimental Design project will be assessed. A 3-point rubric (Needs Improvement, Meets Expectations, and Exceeds Expectations)/6-point max will be used to assess the following content knowledge indicators: 1. Research Question &amp; Hypothesis 2. Experimental Design</td>
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<tr>
<td></td>
<td>Course Assessed: PSB 3823</td>
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<tr>
<td></td>
<td>Sampling: All students</td>
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<tr>
<td></td>
<td>Minimum Criteria for Success: Students will score at least 5 points on the rubric.</td>
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</tbody>
</table>

#### Critical Thinking

<table>
<thead>
<tr>
<th>Analysis and Examination</th>
<th>Direct Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduating students will analyze and examine ideas and research findings within neuroscience and behavior.</td>
<td>Procedure:</td>
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<tr>
<td></td>
<td>Assessment Instrument: Rubric</td>
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<tr>
<td></td>
<td>Assessment Method: Students’ Behavioral and Experimental Design project will be assessed. A 3-point rubric (Needs Improvement, Meets Expectations, and Exceeds Expectations)/6-point max will be used to assess the following critical thinking indicators: 1. Description of Expected, Alternative Outcomes 2. Future Directions</td>
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<tr>
<td></td>
<td>Course Assessed: PSB 3823</td>
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<tr>
<td></td>
<td>Sampling: All students</td>
</tr>
<tr>
<td></td>
<td>Minimum Criteria for Success: Students will score at least 5 points on the rubric.</td>
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</table>

#### Communication (Oral or Written)

<table>
<thead>
<tr>
<th>Purposeful &amp; Correct Writing</th>
<th>Direct Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduating students’ written work will reflect clear, purposeful writing, that is organized and demonstrates correct usage of syntax and mechanics.</td>
<td>Procedure:</td>
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<tr>
<td></td>
<td>Assessment Instrument: Rubric</td>
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<tr>
<td></td>
<td>Assessment Method: Students’ Behavioral and Experimental Design project will be assessed. A 3-point rubric (Needs Improvement, Meets Expectations, and Exceeds Expectations)/9-point max will be used to assess the following</td>
</tr>
<tr>
<td>Message &amp; Delivery</td>
<td>Procedure</td>
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<td>--------------------</td>
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</tbody>
</table>
| Graduating students will conduct oral presentations that carry a clear central message and uses effective delivery techniques. | Assessment Instrument: Rubric  
Assessment Method: Students’ oral presentation of their Behavioral and Experimental Design project will be assessed. A 3-point rubric (Needs Improvement, Meets Expectations, and Exceeds Expectations)/6-point max will be used to assess the following oral communication indicators:  
1. Delivery  
2. Persuasiveness and Central Message |

Course Assessed: PSB 3823  
Sampling: All students  
Minimum Criteria for Success: Students will score at least 7 points on the rubric.