

### Cognitive Science, B.S. (120 Units)

Valid for Catalog Years: 2018/2019 to 2020/2021

\*Official planning guide approved by the College of Arts & Humanities

For assistance or to schedule an advising appointment, please contact the **Department of Linguistics** at 559-278-2441, Peters Business 383

**CAH Advising and Support Center:**  
559-278-4597, Speech Arts 156

|                          | Freshman                                                                         |                                            | Sophomore                                                                                              |                                                                  | Junior                                                                      |                                                                                                        | Senior                                                              |        |
|--------------------------|----------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------|
|                          | Fall                                                                             | Spring                                     | Fall                                                                                                   | Spring                                                           | Fall                                                                        | Spring                                                                                                 | Fall                                                                | Spring |
| Units                    | 16-18                                                                            | 15-17                                      | 13-17                                                                                                  | 16-18                                                            | 13-19                                                                       | 16-19                                                                                                  | 29-36                                                               |        |
| <b>Milestones</b>        |                                                                                  |                                            |                                                                                                        |                                                                  |                                                                             |                                                                                                        |                                                                     |        |
| <b>General Education</b> | <b>A1 (3 Units)</b><br>Oral Communication<br>*Must pass with a C or better       | <b>B2 (3-4 Units)</b><br>Life Sciences     | <b>A3 (3 Units)</b><br>Critical Thinking<br>*Must pass with a C or better                              | <b>C1/C2 (3-4 Units)</b><br>Arts and Humanities                  |                                                                             |                                                                                                        | <b>ID (3-4 Units)</b><br>Social, Political, & Economic Institutions |        |
|                          | <b>A2 (3 Units)</b><br>Written Communication<br>*Must pass with a C or better    | <b>C2 (3-4 Units)</b><br>Humanities        | <b>B1 (3-4 Units)</b><br>Physical Sciences                                                             | <b>E1 (3 Units)</b><br>Lifelong Understanding & Self Development |                                                                             |                                                                                                        |                                                                     |        |
|                          | <b>B4 (3-4 Units)</b><br>Quantitative Reasoning<br>*Must pass with a C or better | <b>D1 (3 Units)</b><br>American History    | <b>B3 (0-3 Units)</b><br>Lab                                                                           |                                                                  |                                                                             |                                                                                                        |                                                                     |        |
|                          | <b>C1 (3-4 Units)</b><br>Arts                                                    | <b>D2 (3 Units)</b><br>American Government |                                                                                                        |                                                                  |                                                                             |                                                                                                        |                                                                     |        |
| <b>Major</b>             | <b>CGSCI 100 (4 units)</b>                                                       | <b>LING 100 (3 Units)</b>                  | <b>CSCI 40 (4 Units)</b><br>[Pre-Req: ELM or College Intermediate Algebra (C or better); trigonometry] | <b>GE Area D3 PSYCH 10 (3 Units)</b><br>Social Science           | <b>GE Area IB PSYCH 126 (3 Units)</b><br>Physical Universe & Its Life Forms | <b>GE Area IC PHIL 151 (3 Units)</b><br>Arts & Humanities<br>[Pre-Req: GE Foundation & Breadth Area C] | <b>PSYCH 144 (5 Units)</b><br>[Pre-Req: PSYCH 10, 42]               |        |

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|                                           | Freshman     |              | Sophomore                    |                                                    | Junior                                                                                                                                                 |                                                                    | Senior                                                                                                                                                                                                                  |                                                    |
|-------------------------------------------|--------------|--------------|------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
|                                           | Fall         | Spring       | Fall                         | Spring                                             | Fall                                                                                                                                                   | Spring                                                             | Fall                                                                                                                                                                                                                    | Spring                                             |
| <b>Units</b>                              | <b>16-18</b> | <b>15-17</b> | <b>13-17</b>                 | <b>16-18</b>                                       | <b>13-19</b>                                                                                                                                           | <b>16-19</b>                                                       | <b>29-36</b>                                                                                                                                                                                                            |                                                    |
| <b>Major</b>                              |              |              | <b>PHIL 45<br/>(3 Units)</b> | <b>CSCI 41<br/>(4 Units)</b><br>[Pre-Req: CSCI 40] | <b>CSCI 60<br/>(4 Units)</b><br>[Pre-Req: CSCI 40<br>(may be taken concurrently)]<br><b>OR</b><br><b>MATH 114<br/>(3 Units)</b><br>[Pre-Req: MATH 111] | <b>PSYCH 128<br/>(4 Units)</b><br>[Pre-Req: Instructor permission] | <b>Electives (3-4 Units)</b><br><b>PSYCH 121, 124; PHIL 145, 146; LING 139, 142, 143, 151, 165; CSCI 119, 164, 166; or CGSCI 101</b><br>*See course catalog for prerequisite requirements; CGSCI 101 may be taken twice |                                                    |
|                                           |              |              |                              |                                                    |                                                                                                                                                        |                                                                    | <b>Electives (3-4 Units)</b><br><b>PSYCH 121, 124; PHIL 145, 146; LING 139, 142, 143, 151, 165; CSCI 119, 164, 166; or CGSCI 101</b><br>*See course catalog for prerequisite requirements; CGSCI 101 may be taken twice |                                                    |
|                                           |              |              |                              |                                                    |                                                                                                                                                        |                                                                    | <b>Electives (3-4 Units)</b><br><b>PSYCH 121, 124; PHIL 145, 146; LING 139, 142, 143, 151, 165; CSCI 119, 164, 166; or CGSCI 101</b><br>*See course catalog for prerequisite requirements; CGSCI 101 may be taken twice |                                                    |
| <b>Additional Graduation Requirements</b> |              |              |                              | <b>Elective</b>                                    | <b>UDWS (0-4 Units)</b><br>*Upper Division Writing Exam<br>OR "W" Course (must pass with a C or better)                                                | <b>Elective</b>                                                    | <b>Elective</b>                                                                                                                                                                                                         | <b>MI (3 Units)</b><br>Multicultural/International |
|                                           |              |              |                              |                                                    | <b>Elective</b>                                                                                                                                        | <b>Elective</b>                                                    |                                                                                                                                                                                                                         | <b>Elective</b>                                    |
|                                           |              |              |                              |                                                    |                                                                                                                                                        | <b>Elective</b>                                                    |                                                                                                                                                                                                                         | <b>Elective</b>                                    |

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|              | Freshman     |              | Sophomore    |              | Junior       |              | Senior       |        |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------|
|              | Fall         | Spring       | Fall         | Spring       | Fall         | Spring       | Fall         | Spring |
| <b>Units</b> | <b>16-18</b> | <b>15-17</b> | <b>13-17</b> | <b>16-18</b> | <b>13-19</b> | <b>16-19</b> | <b>29-36</b> |        |

**FOOTNOTES:**

**Prerequisites/Corequisites:** Other restrictions may apply. Please see your course catalog for detailed prerequisite/corequisite requirements.

**Electives (22-26 units):** Students must earn a minimum of 120 units total to graduate. The number of required elective units may vary, depending on the amount of units earned from major and GE courses.

**Upper Division Writing Skills requirement (UDWS):** All undergraduate students must demonstrate competency in writing skills by passing the Upper Division Writing Exam (UDWE) or by obtaining a C or better in an approved upper division writing course, identified by the letter "W."

**Substitutions:** If substitutions/exceptions/waivers are made for any major courses that also meet GE and/or the Multicultural/International graduation requirement, the student is responsible for completing additional courses to satisfy the respective areas (GE and/or MI). This also includes the upperdivision writing requirement.

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| Units             | Freshman                                                                         |                                            | Sophomore                                                                                              |                                                                  | Junior                                                                                                                                      |                                                                                                        | Senior                                                                                                                                                                                                                  |                                                    |
|-------------------|----------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
|                   | Fall<br>16-18                                                                    | Spring<br>15-17                            | Fall<br>13-17                                                                                          | Spring<br>16-18                                                  | Fall<br>13-19                                                                                                                               | Spring<br>16-19                                                                                        | Fall<br>29-36                                                                                                                                                                                                           | Spring<br>29-36                                    |
| General Education | <b>A1 (3 Units)</b><br>Oral Communication<br>*Must pass with a C or better       | <b>B2 (3-4 Units)</b><br>Life Sciences     | <b>A3 (3 Units)</b><br>Critical Thinking<br>*Must pass with a C or better                              | <b>C1/C2 (3-4 Units)</b><br>Arts and Humanities                  |                                                                                                                                             |                                                                                                        | <b>ID (3-4 Units)</b><br>Social, Political, & Economic Institutions                                                                                                                                                     | <b>MI (3 Units)</b><br>Multicultural/International |
|                   | <b>A2 (3 Units)</b><br>Written Communication<br>*Must pass with a C or better    | <b>C2 (3-4 Units)</b><br>Humanities        | <b>B1 (3-4 Units)</b><br>Physical Sciences                                                             | <b>E1 (3 Units)</b><br>Lifelong Understanding & Self Development |                                                                                                                                             |                                                                                                        |                                                                                                                                                                                                                         |                                                    |
|                   | <b>B4 (3-4 Units)</b><br>Quantitative Reasoning<br>*Must pass with a C or better | <b>D1 (3 Units)</b><br>American History    | <b>B3 (0-3 Units)</b><br>Lab                                                                           |                                                                  |                                                                                                                                             |                                                                                                        |                                                                                                                                                                                                                         |                                                    |
|                   | <b>C1 (3-4 Units)</b><br>Arts                                                    | <b>D2 (3 Units)</b><br>American Government |                                                                                                        |                                                                  |                                                                                                                                             |                                                                                                        |                                                                                                                                                                                                                         |                                                    |
| Major             | <b>CGSCI 100 (4 units)</b>                                                       | <b>LING 100 (3 Units)</b>                  | <b>CSCI 40 (4 Units)</b><br>[Pre-Req: ELM or College Intermediate Algebra (C or better); trigonometry] | <b>GE Area D3 PSYCH 10 (3 Units)</b><br>Social Science           | <b>GE Area IB PSYCH 126 (3 Units)</b><br>Physical Universe & Its Life Forms                                                                 | <b>GE Area IC PHIL 151 (3 Units)</b><br>Arts & Humanities<br>[Pre-Req: GE Foundation & Breadth Area C] | <b>PSYCH 144 (5 Units)</b><br>[Pre-Req: PSYCH 10, 42]                                                                                                                                                                   |                                                    |
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|           | Fall<br>16-18 | Spring<br>15-17 | Fall<br>13-17 | Spring<br>16-18 | Fall<br>13-19                                                                                           | Spring<br>16-19 | Fall<br>29-36                                                                                                                                                                                                           | Spring<br>29-36 |
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|           |               |                 |               |                 | Elective                                                                                                | Elective        |                                                                                                                                                                                                                         | Elective        |
|           |               |                 |               |                 |                                                                                                         | Elective        |                                                                                                                                                                                                                         |                 |

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|-------|----------|--------|-----------|--------|--------|--------|--------|--------|
|       | Fall     | Spring | Fall      | Spring | Fall   | Spring | Fall   | Spring |
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