

# Cognitive Science: Human and Artificial Intelligence

## Catalog Year 2019-2020

### Legend

**\* Major Requirement**

Must be taken to fulfill major requirements.

**† Major Elective**

Must be taken to fulfill major requirements, or replaced with an equivalent course.

**‡ Gen-Ed Requirement**

Must be taken to fulfill general education requirements.

**§ Elective**

Can be chosen from a selection of courses.

See MyGFU for detailed academic requirements.

### First Year

#### Fall Semester

|   |                   |
|---|-------------------|
| Calculus I (MATH 201 ) *                                | 4 credits         |
| Knowing and Being Known (LIBA 100) ‡                    | 3 credits         |
| I Believe (THEO 101) ‡                                  | 3 credits         |
| Communication GE Requirement (COMM 100) ‡               | 3 credits         |
| History/Politics/International Studies GE Requirement ‡ | 3 credits         |
| <b>Semester Total</b>                                   | <b>16 credits</b> |
| <b>Cumulative Total</b>                                 | <b>16 credits</b> |

#### Spring Semester

|                                   |                   |
|-----------------------------------|-------------------|
| General Psychology (PSYC 150) *   | 3 credits         |
| Discrete Mathematics (MATH 260) * | 3 credits         |
| I Believe (THEO 102) ‡            | 3 credits         |
| Natural Science GE Requirement ‡  | 4 credits         |
| Elective Credit ‡                 | 3 credits         |
| <b>Semester Total</b>             | <b>16 credits</b> |
| <b>Cumulative Total</b>           | <b>32 credits</b> |

## Second Year

### Fall Semester

|   |                   |
|---|-------------------|
| Introduction to Computer Science I (CSIS 201) * | 3 credits         |
| Cognition (PSYC 370) *                          | 3 credits         |
| HUMA 290 or Fine Arts GE Requirement ‡          | 3 credits         |
| Elective Credit §                               | 6 credits         |
| <b>Semester Total</b>                           | <b>15 credits</b> |
| <b>Cumulative Total</b>                         | <b>47 credits</b> |

### Spring Semester

|  |                   |
|--|-------------------|
| Introduction to Computer Science II (CSIS 202) *     | 3 credits         |
| Psychology Statistics (PSYC 240) *                   | 3 credits         |
| Lifelong Fitness GE Requirement (HHPA 120) ‡         | 2 credits         |
| HUMA 205 or Philosophy & Literature GE Requirement ‡ | 3 credits         |
| Elective Credits §                                   | 6 credits         |
| <b>Semester Total</b>                                | <b>17 credits</b> |
| <b>Cumulative Total</b>                              | <b>64 credits</b> |

## Third Year

### Fall Semester

|                                 |                   |
|---------------------------------|-------------------|
| Research Methods (PSYC 391) *   | 3 credits         |
| Data Structures (CSIS 310) *    | 3 credits         |
| Bible Elective GE Requirement ‡ | 3 credits         |
| Elective Credit §               | 6 credits         |
| <b>Semester Total</b>           | <b>15 credits</b> |
| <b>Cumulative Total</b>         | <b>79 credits</b> |

### Spring Semester

|  |                   |
|--|-------------------|
| Advanced Research Methods (PSYC 392) *       | 3 credits         |
| Human and Artificial Intelligence Elective † | 3 credits         |
| Intercultural GE Requirement ‡               | 3 credits         |
| Elective Credits §                           | 6 credits         |
| <b>Semester Total</b>                        | <b>15 credits</b> |
| <b>Cumulative Total</b>                      | <b>94 credits</b> |

## Fourth Year

### Fall Semester

|  |           |
|--|-----------|
| Senior Seminar (PSYC 490) *                  | 1 credits |
| Human and Artificial Intelligence Elective † | 3 credits |
| Engaging Christ in Transition (LIBA 400) ‡   | 3 credits |

|                         |                    |
|-------------------------|--------------------|
| Elective Credits §      | 9 credits          |
| <b>Semester Total</b>   | <b>16 credits</b>  |
| <b>Cumulative Total</b> | <b>110 credits</b> |

### **Spring Semester**

|                                      |                    |
|--------------------------------------|--------------------|
| Neuroscience (PSYC 320) *            | 3 credits          |
| Artificial Intelligence (CSIS 440) * | 3 credits          |
| Elective Credits §                   | 10 credits         |
| <b>Semester Total</b>                | <b>16 credits</b>  |
| <b>Cumulative Total</b>              | <b>126 credits</b> |