

# COGNITIVE SCIENCE MINOR

Cognitive Science is the interdisciplinary study of mind and intelligence. It uses the methods of computer science, linguistics, communication sciences, philosophy, and psychology to examine how the mind carries out intelligent behaviors such as:

- Understanding
- Speaking
- Planning
- Creating
- Reasoning
- Problem solving

The Cognitive Science minor addresses such questions as:

- What is consciousness?
- How did intelligence originate?
- How are languages stored in the brain?
- Can a computer that carries out a conversation with a human think and feel?

The Minor in Cognitive Science provides excellent preparation for graduate programs in Cognitive Science, Psychology, Linguistics, Philosophy and Religion, and Communication Sciences and Disorders.

## Program Requirements

| Code  | Title   | Credits |
|---|---|---------|
| <b>Requirements</b>   |   |         |
| No more than three of the six courses for the minor may come from Psychology. |   |         |
| PSYC 220  | Introduction to Statistical Methods in Psychology | 4       |
| PSYC 301  | Experimental Psychology                           | 4       |
| Select one of the following:  |   | 3       |
| CSIT 288  | Introduction to Cognitive Science                 |         |
| LNGN 288  | Introduction to Cognitive Science                 |         |
| PHIL 288  | Introduction to Cognitive Science                 |         |
| PSYC 288  | Introduction to Cognitive Science                 |         |
| <b>Electives</b>  |   |         |
| Select 9 credits from the following:  |   | 9       |
| CSIT 111  | Fundamentals of Programming I                     |         |
| CSIT 112  | Fundamentals of Programming II                    |         |
| CSIT 212  | Data Structures and Algorithms                    |         |
| CSIT 270  |   |         |
| CSIT 357  | Artificial Intelligence                           |         |
| CSND 383  | Introduction to Language Development              |         |
| CSND 410  | Neurophysiological Bases of Communication         |         |
| LNGN 300  | Syntax  |         |
| LNGN 301  | Semantics   |         |
| LNGN 302  | Pragmatics  |         |
| LNGN 420  | Language and the Mind                             |         |
| LNGN 445  | Natural Language Processing                       |         |
| LNGN 488  | Seminar in Cognitive Science                      |         |
| PHIL 266  | Philosophy of Science                             |         |
| PHIL 270  | Philosophy of Mind                                |         |

|                      |  |
|----------------------|--|
| PSYC 305             | Physiological Psychology                   |
| PSYC 308             | Perception                                 |
| PSYC 313             | Cognition                                  |
| PSYC 314             | Psychology of Judgment and Decision Making |
| PSYC 340             | Human Learning and Memory                  |
| PSYC 348             | Psycholinguistics                          |
| <b>Total Credits</b> | <b>20</b>                                  |