

# TEACHING COMPUTER SCIENCE, CERTIFICATE

The graduate certificate program is designed to prepare K-12 teachers to effectively teach computer science and prepare them to complete the Ohio Computer Science licensure endorsement. The program emphasizes hands-on experience with current technology trends, such as Python programming and robotics, while also covering fundamental computer science and computational thinking concepts, as well as pedagogical strategies. 50 Field hours required.

## Admission Requirements

Students must hold admission to Graduate School to pursue this certificate program.

### Requirements

This certificate requires a minimum of 15 credits. This includes 9 credits of core courses and 6 credits of electives in consultation with the program advisor.

| Code                                          | Title                       | Hours |
|-----------------------------------------------|-----------------------------|-------|
| Core Courses                                  |                             |       |
| EDCI 575                                      | Coding in the Classroom     | 3     |
| STAT 580                                      | Statistical Data Management | 3     |
| CPSC 506                                      | Introduction to C & UNIX    | 3     |
| Electives                                     |                             |       |
| 6 credits of electives as approved by advisor |                             | 6     |