# Computer Science

Name:

Email:

## Computer Science 5-12

Requirements for the endorsement #278 Computer Science 5-12 include:
Completion of minimum of 12 semester hours in computer science to include coursework in the following:

* Data representation and abstraction to include primitive data types, static and dynamic data structures, and data types and stores.
* Designing, developing, testing, and refining algorithms to include proficiency in two or more programming paradigms.
* Systems and networks to include operating systems, networks, mobile devices, and machine-level data representation.

To view the subject/courses you can teach with this endorsement, visit the [Board of Educational Examiners website, BEDS information](https://boee.iowa.gov/beds-information).

Please indicate below the coursework you have completed for this endorsement. Coursework must appear on your transcript for each institution.

### Data representation and abstraction

Include primitive data types, static and dynamic data structures, and data types and stores

| Course Number | Course Title | Institution | Semester Hours | Semester/Year Completed |
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### Designing, developing, testing, and refining algorithms

Include proficiency in two or more programming paradigms

| Course Number | Course Title | Institution | Semester Hours | Semester/Year Completed |
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### Systems and networks

Include operating systems, networks, mobile devices, and machine-level data representation

| Course Number | Course Title | Institution | Semester Hours | Semester/Year Completed |
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