



## Computer Science Minor Requirements

(2016-2017 catalog)

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**Minimum units required:** 18 total, 6 upper-division (*at least 3 units must be completed at the UA*)

**Minimum minor GPA:** 2.00

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**Coursework Requirements:**

**1. Complete both:**

- CSC 110: Intro to Computer Programming I (*CSC 127A - Fall 2016 and prior*)
- CSC 120: Intro to Computer Programming II (*CSC 127B - Fall 2016 and prior*)

**2. Choose two upper-division courses:**

CSC 335, 337, 345, 346, 352, 372, 422, 425, 433, 436, 444, 445, 447, 452, 453, 460, 466, 473, 477, 483, equivalent UA South courses, or cross-listed courses (*see back of document*)

**3. Choose remaining units from:**

CSC 210, 245 (*or MATH 243 or 323*), 250, 252, and upper-division courses

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**Notes:**

- ISTA 130 or ECE 175 may fulfill the CSC 110 requirement. Students who take ECE 175 should learn some basic python before attempting CSC 120.
  - Courses numbered \*90-\*99 cannot be used toward the minor.
  - Priority enrollment is given to majors for CSC 210, 245, 252, 335, 345, 352, 372, & 400-level.
  - Double Dipping Policy: Up to two courses from another subject area (*ECE 175, ISTA 130, MATH 243, MATH 323, cross-listed courses*) may be used toward the CS minor. We permit unlimited double use of CSC courses with another major or minor.
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To add the Computer Science Minor, please complete the online information session at

[cs.arizona.edu/undergrad/minors](http://cs.arizona.edu/undergrad/minors)



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**Cross-Listed Courses**

ECE 474A	Computer-Aided Logic Design
LING 438	Computational Linguistics
LING 439	Statistical Natural Language Processing
MATH 402	Mathematical Logic
MATH 443	Theory of Graphs and Networks
MATH 475A	Mathematical Principles of Numerical Analysis
MATH 475B	Mathematical Principles of Numerical Analysis
PHIL 401A	Symbolic Logic
PHIL 401B	Symbolic Logic
PHIL 455	Philosophy and Artificial Intelligence

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