

## Bachelor of Arts

The Bachelor of Arts degree with a major in computer science is designed to provide a broad education so that the student can take advantage of a variety of professional opportunities.

### Degree Requirements

The Bachelor of Arts degree in computer science requires a minimum of 128 semester hours, 42 of which must be advanced, and fulfillment of degree requirements for the Bachelor of Arts degree as specified in the College of Arts and Sciences section of this catalog.

### Major in Computer Science

*Following is **one** suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment.*

#### BA with a Major in Computer Science

##### FRESHMAN YEAR

FALL	HOURS
CSCI 1110, Program Development*	4
ENGL 1310, College Writing I	3
LANG 2040, Foreign Language (intermediate) <sup>3</sup>	3
MATH 1650, Pre-Calculus <sup>4</sup>	<u>5</u>
Total	15

##### FRESHMAN YEAR

SPRING	HOURS
CSCI 1120, Structured Programming	4
ECON 1110, Principles of Macroeconomics	3
ENGL 1320, College Writing II <sup>6</sup>	3
LANG 2050, Foreign Language (intermediate) <sup>3</sup>	3
PSCI 1040, American Government	<u>3</u>
Total	16

##### SOPHOMORE YEAR

FALL	HOURS
CSCI 2010, Assembly Language Programming	3
ELET 2720, Digital Logic	4
ENGL 2210, World Literature I	3
MATH 1710, Calculus I	4
Oral Communication <sup>2</sup>	<u>3</u>
Total	17

##### SOPHOMORE YEAR

SPRING	HOURS
ENGL 2220, World Literature II	3
MATH 2770, Discrete Mathematical Structures	3
PSCI 1050, American Government	3
CSCI Option <sup>13</sup>	3
Elective <sup>15, 16</sup>	<u>3</u>
Total	15

##### JUNIOR YEAR

FALL	HOURS
CSCI 3100, Computer Organization <sup>30</sup>	3
CSCI 3400, Data Structures	3
HIST 2610, United States History to 1865 <sup>12</sup>	3
Laboratory Science <sup>9</sup>	4
Wellness <sup>11</sup>	<u>2-3</u>
Total	15-16

##### JUNIOR YEAR

SPRING	HOURS
CSCI 3600, Principles of Systems Programming	3
HIST 2620, United States History Since 1865 <sup>12</sup>	3
Elective <sup>15, 16</sup>	3
Laboratory Science <sup>9</sup>	4
Understanding of Ideas and Values <sup>8</sup>	<u>3</u>
Total	16

##### SENIOR YEAR

FALL	HOURS
CSCI Option (advanced) <sup>13</sup>	3
Elective	3
Elective	3
Laboratory Science <sup>9</sup>	4
Visual and Performing Arts <sup>7</sup>	<u>3</u>
Total	16

##### SENIOR YEAR

SPRING	HOURS
CSCI Option (advanced) <sup>13</sup>	3
CSCI Option (advanced) <sup>13</sup>	3
Elective <sup>16</sup>	3
Elective <sup>16</sup>	3
Elective <sup>16</sup>	3
Understanding of Ideas and Values	<u>3</u>
Total	18

*Actual degree plans may vary depending on availability of courses in a given semester.*

*Some courses may require prerequisites not listed.*

\* Taught using C++. If a student transfers with CSCI 1110 (Pascal only) equivalent, the department will credit that course as CSCI 2320 and recommend that CSCI 1110 be taken.

*See Arts and Sciences folding key (#2) for footnotes.*

**Summary of Degree Requirements:**

Computer Science:	30-32
Core:	
Oral Communication	3
English	12
History	6
Political Science	6
Visual and Performing Arts	3
Wellness	2-3
Economics	3
Mathematics	5
Understanding of Ideas and Values	6
Foreign Language:	14
Laboratory Science:	12
Digital Logic:	4
CSCI:	
Program Development	4
Structured Programming	4
Assembly Language Programming	3
Computer Organization	3
Data Structures	3
Principles of Systems	3
Computer Science Option	3
Computer Science (advanced)	9

**Note:**

12 hours of computer science must be taken at UNT.

42 hours must be advanced; 24 of the 42 hours must be taken at UNT.

24 of the last 30 hours must be completed at UNT.

Students may be required to take an additional two hours of computer science since most computer science courses are three hours.

**Supplemental Information for BA with a Major in Computer Science**

1. Major area: 30 semester hours, including CSCI 1110, 1120, 2010, 3100, 3400 and 3600. At least 18 hours must be in advanced courses, 12 of which must be taken at UNT. A maximum of 6 hours of credit in CSCI 4880, 4890, 4900 or 4910 will count toward this degree.
2. GPA: A grade point average of at least 2.75 is required on all advanced computer science courses.
3. Other required courses: ELET 2720, Digital Logic.

**UNT Undergraduate Catalog Department of Computer Sciences**