	Minimum Hrs Required	Course(s) Fulfilled
REQUIRED COURSEWORK: 18HRS TOTAL		
Two Core Courses:	6	
C S 303E: Elements of Computer Programming		
C S 313E: Elements of Software Design		
Four of the Following Upper Division Courses:	12	
C S 320N: Topics in Computer Science for Non-majors		
C S 324E: Elements of Graphics and Visualization		
C S 326E: Elements of Networking		
C S 327E: Elements of Databases		
C S 328E: Topics of Elements of Computing		
C S 329E: Advanced Topics in Elements of Computing		
C S 330E: Elements of Software Engineering I		
C S 331E: Elements of Software Engineering II		

*Multiple topics of C S 320N, 328E or 329E may count toward the 12 additional hour requirement as long as topics vary

*With the approval of the certificate program faculty committee, other appropriate upper division courses may be counted toward the elective requirement.

*Please visit our website for a list of pre-approved substitute courses: http://www.cs.utexas.edu/undergraduate-program/academics/elements-computing

*No more than 2 substitions are allowed to count toward the 18hr Elements of Computing Certificate

POLICIES & PROCEDURES

- Application for admission required
- Total of 18 hours required; 12 of which must be upper division
- Students may only register for up to 3 upper division C S Elements courses in a given semester
- All coursework must be completed with a grade of C- or higher
- Students must apply for certification, by the stated deadline, upon completion of the certificate requirements. (Fall: Dec 1st; Spring: May 1st; Summer: Aug 1st)
- Please visit the certificate website for additional information: http://www.cs.utexas.edu/undergraduate-program/academics/elements-computing