

# **UPCC**

## **Program Design Language**

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CS 191 Software Engineering I  
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## ***Revision Control***

### ***History Revision:***

<b><i>Revision Date</i></b>	<b><i>Person Responsible</i></b>	<b><i>Version Number</i></b>	<b><i>Modification</i></b>
11/23/17	Ciana Lim	1.0	Initial Document.

**Control Class:** CheckRequirementsController

**Program Specification (Method):** checkSubject

**Input:**

passedSubjects - List of subjects that the Student has already passed.  
Curriculum - List of Subjects in the curriculum (Subjects List)

**Output:**

List of subjects that the student can take.

**Program Logic:**

DO

    READ next subject from Subjects List

    IF (prerequisites and corequisites of subject appears in passedSubjects List) AND (totalUnits OR (passedSubjects List AND totalUnits) satisfies the standing required for the subject)

        THEN ADD subject TO canBeTakenSubjects

    ENDIF

UNTIL End-of-List of Subjects List