

UPCC

Program Design Language

Submitted to:

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Revision Control

History Revision:

<i>Revision Date</i>	<i>Person Responsible</i>	<i>Version Number</i>	<i>Modification</i>
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.

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