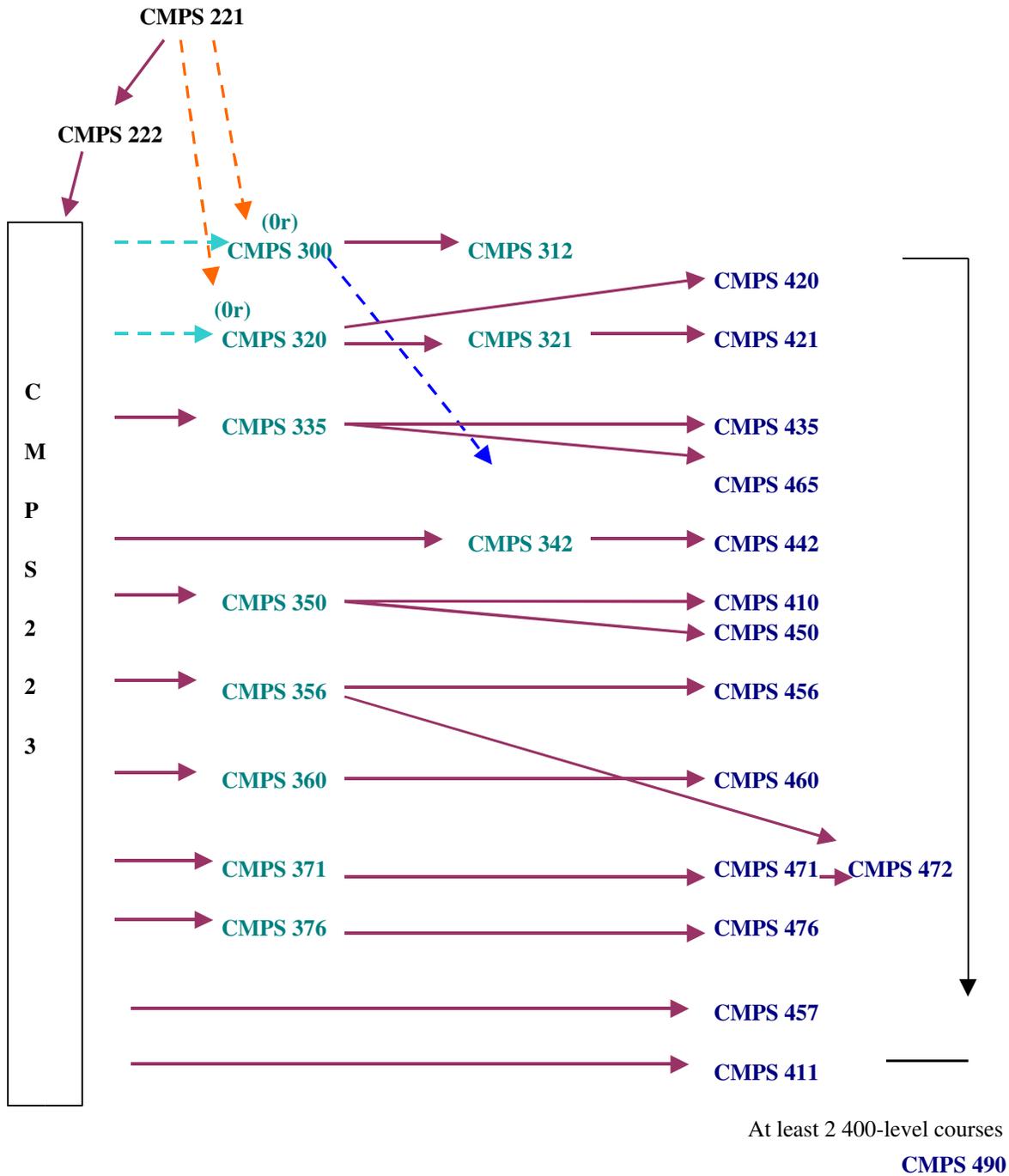


## Course Dependence Chart



**Remarks:**

- Is a prerequisite.
- Indicate a prerequisite that can be replaced by a lower-level (orange prerequisite) course.
- 
- → Not a prerequisite, but strongly recommended.

The following flowcharts assume:

1. Students pass the Calculus readiness exam before enrolling in Calculus I.
2. Students qualify for ENG 110 through the EPT.
2. The 300-level CS courses are from this list: 321, 312, 335, 342, 350, 356, 360, 371, 376
4. Students satisfy the foreign language proficiency in high school.
5. Students select a GE course which also satisfies the Gender, Race and Ethnicity requirement.
6. Students select a GE course from area D3 which also satisfies the government component of the American Institutions requirement.
7. Students follow GE guidelines when selecting courses from areas C and D.
8. Students meet the 1-unit General Studies Orientation Requirement within the first 30-quarter units.
9. Students have some experiences with one programming language.
10. **Any 300-level course** means CMPS 3XX classes.
11. **Elective** means any computer science elective course

General Education Units	Units	
4 courses, 1 each from Areas A1, A2, A3, B1	20	
Area C (3 courses) & Area D (3 courses)	30	
Area B4 (CALC I)	5	
Area B2 and B3 (Physics I)	6	
1 course to meet US History requirement	5	
1 course to meet Race, Gender and Ethnicity		5
Theme 2, Theme 3	10	
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GE. Total Units:	81	
Math, Computer Science and Minor	110	
<b>Total</b>	<b>191</b>	

## Roadmap to Graduation (4 years) For Computer Information System Track.

Quarter			
Year	<u>1</u>	<u>2</u>	<u>3</u>
1	CMPS 221-PF + CMPS 150 GE Area A1 (Speech) Math 140 <b>16 units</b>	CMPS 222 –OO GE Area A2 (English Composition) Math 191 <b>15 units</b>	CMPS 223 - DS GE Area A3 (Logical Reasoning) Elective (1 of 8) <b>15 units</b>
2	Any 300-level course (1 of 7) Elective (2 of 8) GE Area B1,2-3 (1 of 2) <b>15 units</b>	Any 300-level course (2 of 7) Elective (3 of 8) GE Area B1,2-3 (2 of 2) <b>15 units</b>	Any 300-level course (3 of 7) Elective (4 of 8) GE Area C or D (1 of 6) <b>15 units</b>
3	Any 300-level course (4 of 7) Elective (5 of 8) GE Area C or D (2 of 6) <b>15 units</b>	Any 300-level course (5 of 7) Elective (6 of 8) GE Area C or D (3 of 6) US History requirement <b>20 units</b>	Any 300-level course (6 of 7) Elective (7 of 8) GE Area C or D (4 of 6) GE (Gender, Race & Ethnicity) <b>20 units</b>
4	400 level course (1 of 2) Any 300-level course (7 of 7) GE Area C or D (5 of 6) <b>15 units</b>	400 level course (2 of 2) Preparation for CMPS490 GE Area C or D (6 of 6) GE Theme 2 (Phil 316) <b>15 units</b>	Elective (8 of 8) CMPS 490-PJ GE Theme 3 <b>15 units</b>

**Roadmap to Graduation (5 years)**  
**For Computer Information System Track.**

<b>Quarter</b>			
<b>Year</b>	<b><u>1</u></b>	<b><u>2</u></b>	<b><u>3</u></b>
<b>1</b>	GE Area A1 (Speech) Math 140 <b>10 units</b>	CMPS 221-PF + CMPS 150 GE Area A2 (English Composition) Math 191 <b>16 units</b>	CMPS 222 –OO GE Area A3 (Logical Reasoning) <b>10 units</b>
<b>2</b>	CMPS 223 -DS US History requirement Elective (1 of 8) <b>15 units</b>	Any 300-level course (1 of 7) GE Area B1,2-3 (1 of 2) <b>10 units</b>	Any 300-level course (2 of 7) GE Area C or D (1 of 6) Elective (2 of 8) <b>15 units</b>
<b>3</b>	Any 300-level course (3 of 7) GE Area C or D (2 of 6) Elective (3 of 8) <b>15 units</b>	Any 300-level course (4 of 7) GE Area B1,2-3 (2 of 2) <b>10 units</b>	Any 300-level course (5 of 7) GE Area C or D (3 of 6) Elective (4 of 8) <b>15 units</b>
<b>4</b>	Any 300-level course (6 of 7) GE Area C or D (4 of 6) <b>10 units</b>	Any 300-level course (7 of 7) GE Area C or D (5 of 6) Elective (5 of 8) <b>15 units</b>	400 level course (1 of 2) GE Theme 2 (Phil 316) Elective (6 of 8) <b>15 units</b>
<b>5</b>	400 level course (2 of 2) GE Area C or D (6 of 6) Elective (7 of 8) <b>15 units</b>	Preparation for CMPS490 Elective (8 of 8) GE (Gender, Race & Ethnicity) <b>10 units</b>	CMPS 490-PJ GE Theme 3 <b>10 units</b>

**Roadmap to Graduation (6 years)**  
**For Computer Information System Track.**

<b>Quarter</b>			
<b>Year</b>	<b><u>1</u></b>	<b><u>2</u></b>	<b><u>3</u></b>
<b>1</b>	GE Area A1 (Speech) Math 140 <b>10 units</b>	CMPS 221-PF + CMPS 150 Math 191 <b>11 units</b>	GE Area A2 (English Composition) Elective (1 of 8) <b>10 units</b>
<b>2</b>	CMPS 222 –OO GE Area A3 (Logical Reasoning) <b>10 units</b>	CMPS 223 -DS GE Area B1,2-3 (1 of 2) <b>10 units</b>	Any 300-level course (1 of 7) GE Area C or D (1 of 6) <b>10 units</b>
<b>3</b>	Any 300-level course (2 of 7) Elective (2 of 8) US History requirement <b>15 units</b>	Any 300-level course (3 of 7) GE Area B1,2-3 (2 of 2) <b>10 or 11 units</b>	Any 300-level course (4 of 7) Elective (3 of 8) <b>10 units</b>
<b>4</b>	GE Area C or D (2 of 6) Elective (4 of 8) <b>10 units</b>	Any 300-level course (5 of 7) Elective (5 of 8) <b>10 units</b>	GE Area C or D (3 of 6) Elective (6 of 8) <b>10 units</b>
<b>5</b>	GE Area C or D (4 of 6) Any 300- level course (6 of 7) <b>10 units</b>	Any 300-level course (7 of 7) GE Area C or D (5 of 6) <b>10 units</b>	400 level course (1 of 2) GE Theme 2 (Phil 316) <b>10 units</b>
<b>6</b>	400 level course (2 of 2) GE Area C or D (6 of 6) Elective (7 of 8) <b>15 units</b>	Preparation for CMPS490 GE (Gender, Race & Ethnicity) Elective (8 of 8) <b>10 units</b>	CMPS 490-PJ GE Theme 3 <b>10 units</b>