Course Dependence Chart

CMPS 221

CMPS 222

CMPS 223 (vertical label in left box)

(0r)
CMPS 300 → CMPS 312

(0r)
CMPS 320 → CMPS 321 → CMPS 421

CMPS 320 → CMPS 420

CMPS 335 → CMPS 435

CMPS 335 → CMPS 465

CMPS 342 → CMPS 442

CMPS 350 → CMPS 410

CMPS 350 → CMPS 450

CMPS 356 → CMPS 456

CMPS 356 → CMPS 472

CMPS 360 → CMPS 460

CMPS 371 → CMPS 471 → CMPS 472

CMPS 376 → CMPS 476

CMPS 457

CMPS 411

At least 2 400-level courses
CMPS 490

Remarks:

→ Is a prerequisite.

- - → Indicate a prerequisite that can be replaced by a lower-level (orange prerequisite) course.
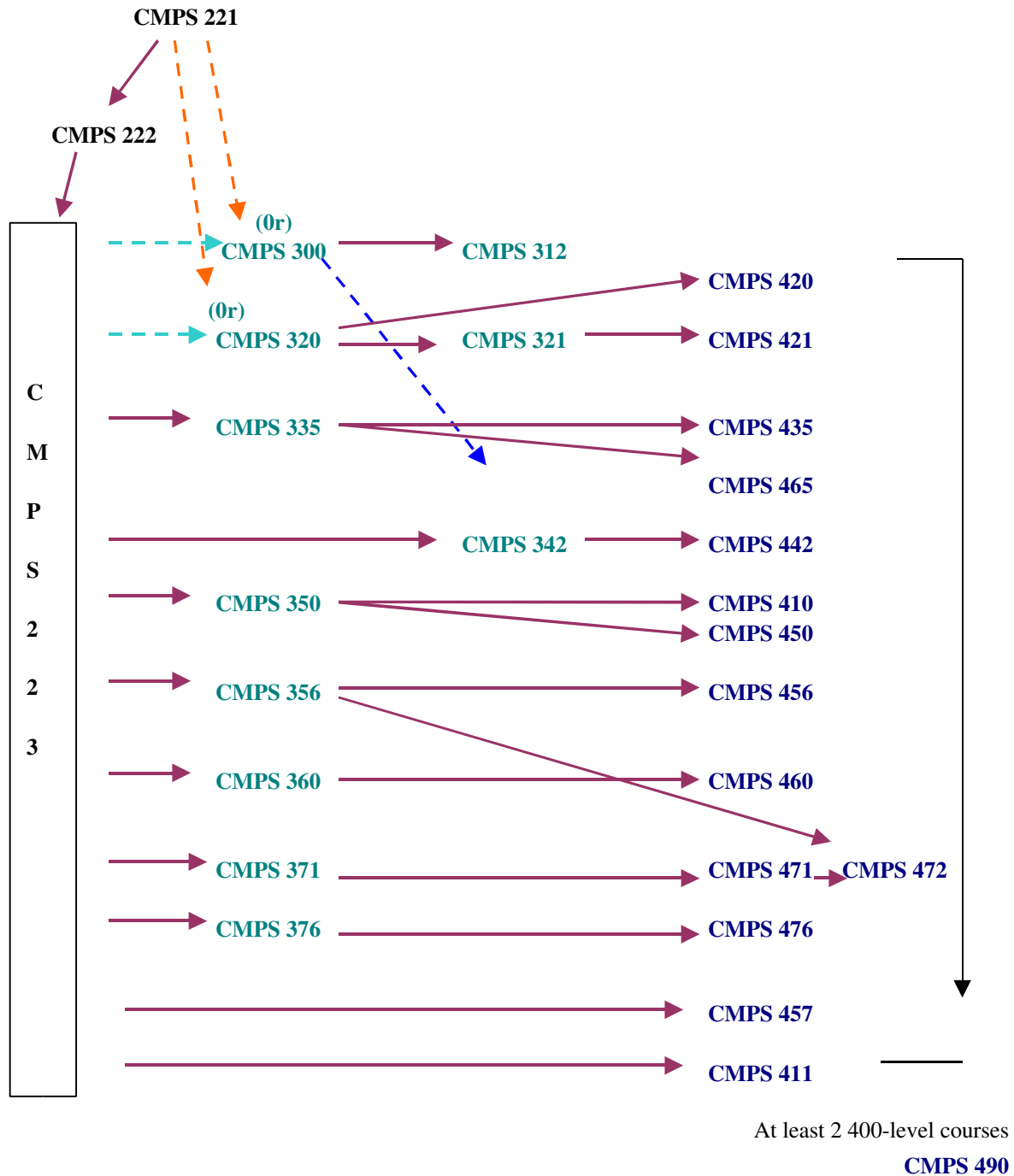- - →

- - → 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.

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	

GE. Total Units:	81	
Math, Physics and Computer Science	117	
Total	198	

Roadmap to Graduation (4 years)
For Computer Science Track

Quarter / Year	1	2	3
1	CMPS 221-PF + CMPS 150 GE Area A1 (Speech) Calc I **16 units**	CMPS 222 –OO GE Area A2 (English Composition) Calc II **15 units**	CMPS 223 -DT GE Area A3 (Logical Reasoning) Calc III **15 units**
2	CMPS 300 -DS or CMPS 320-DC Math 330 or 340 GE Area B1, C or D (1 of 7) **15 units**	CMPS 300 -DS or CMPS 320-DC Math 330 or Math 340 GE Area B1, C or D (2 of 7) **15 units**	Any 300-level course (1 of 9) Any 300-level course (2 of 9) GE Area B1, C or D (3 of 7) GE (Gender, Race & Ethnicity) **20 units**
3	Any 300-level course (3 of 9) Any 300-level course (4 of 9) Physics I **16 units**	Any 300-level course (5 of 9) Physics II GE Area B1, C or D (4 of 7) US History requirement **21 units**	Any 300-level course (7 of 9) Any 300-level course (8 of 9) GE Area B1, C or D (5 of 7) **15 units**
4	Any 300-level course (9 of 9) Any 300-level course (6 of 9) 400 level course (1 of 3) GE Area B1, C or D (6 of 7) **20 units**	400 level course (2 of 3) Preparation for CMPS490 GE Area B1, C or D (7 of 7) GE Theme 2 (Phil 316) **15 units**	400 level course (3 of 3) CMPS 490-PJ GE Theme 3 **15 units**

Roadmap to Graduation (5 years)
For Computer Science Track

Quarter Year	1	2	3
1	CMPS 221-PF + CMPS 150 GE Area A1 (Speech) Calc I **16 units**	CMPS 222 –OO GE Area A2 (English Composition) Calc II **15 units**	CMPS 223 -DT GE Area A3 (Logical Reasoning) Calc III **15 units**
2	CMPS 300 -DS or CMPS 320-DC Math 330 or 340 GE Area B1, C or D (1 of 7) **15 units**	CMPS 300 -DS or CMPS 320-DC Math 330 or Math 340 GE Area B1, C or D (2 of 7) **15 units**	Any 300-level course (1 of 9) Any 300-level course (2 of 9) GE Area B1, C or D (3 of 7) **15 units**
3	Any 300-level course (3 of 9) Any 300-level course (4 of 9) **10 units**	Any 300-level course (5 of 9) Any 300-level course (6 of 9) **10 units**	Any 300-level course (7 of 9) Physics I GE Area B1, C or D (4 of 7) **16 units**
4	Any 300-level course (8 of 9) Physics II GE Area B1, C or D (5 of 7) **16 units**	Any 300-level course (9 of 9) GE Area B1, C or D (6 of 7) **10 units**	400 level course (1 of 3) GE Area B1, C or D (7 of 7) **10 units**
5	400 level course (2 of 3) GE Theme 2 (Phil 316) US History **15 units**	GE Theme 3 (Phil 316) Preparation for CMPS490 400 level course (3 of 3) **10 units**	GE (Gender, Race & Ethnicity) CMPS 490-PJ **10 units**

Roadmap to Graduation (6 years)
For Computer Science Track.

Quarter Year	**1**	**2**	**3**
1	CMPS 221-PF + CMPS 150 GE Area A1 (Speech) Calc I **16 units**	CMPS 222 –OO GE Area A2 (English Composition) Calc II **15 units**	CMPS 223 -DT GE Area A3 (Logical Reasoning) Calc III **15 units**
2	CMPS 300 -DS or CMPS 320-DC GE Area B1, C or D (1 of 7) **10 units**	CMPS 300 -DS or CMPS 320-DC Math 330 or 340 **10 units**	Any 300-level course (1 of 9) Math 330 or Math 340 **10 units**
3	Any 300-level course (2 of 9) GE Area B1, C or D (2 of 7) **10 units**	Any 300-level course (3 of 9) GE Area B1, C or D (3 of 7) **10 units**	Any 300-level course (5 of 9) Any 300-level course (4 of 9) **10 units**
4	Any 300-level course (6 of 9) GE Area B1, C or D (4 of 7) **10 units**	Any 300-level course (7 of 9) GE Area B1, C or D (5 of 7) **10 units**	Any 300-level course (8 of 9) Physics I **11 units**
5	Any 300-level course (9 of 9) Physics II **11 units**	400 level course (1 of 3) GE Area B1, C or D (6 of 7) **10 units**	400 level course (2 of 3) GE Area B1, C or D (7 of 7) **10 units**
6	GE Theme 2 (Phil 316) 400 level course (3 of 3) **10 units**	GE Theme 3 Preparation for CMPS490 US History **10 units**	GE (Gender, Race & Ethnicity) CMPS 490-PJ **10 units**