

SWC Computer Science Equivalency / Major Substitution Guidelines

To honor the intent of the Computer Science ADT, courses from other colleges will only be approved for equivalency or substitution if they minimally meet the C-ID requirements for courses for the degree. This decision is consistent with recommendations from the Academic Senate Articulation Officer Subgroup, found in the document titled “ADT Substitution Guidelines with Scenarios.” In addition, a survey of several other colleges in California with the Computer Science ADT found that this policy is consistent with the majority of those colleges.

Effective Spring 2018:

1. If a course from another college has the same C-ID as the required course at SWC, the course will be granted Major Substitution. As Math 130 is a pre-requisite for other courses in the major, a course with C-ID Comp 122 will be accepted as meeting the pre-requisite for Math 140, 230, and 265.
2. Courses from other colleges that do not have the required C-ID designators will be reviewed for content. The content will need to minimally meet the required C-ID content in order for the course to be approved for Major Substitution. Please note that SWC faculty are not C-ID reviewers. Schools are encouraged to submit their courses to C-ID for official review.

Students who entered into their Computer Science coursework at SWC and had their coursework from other colleges evaluated prior to Spring 2018 will have those evaluations honored (i.e. Major Substitution will be granted).

To date, the following courses have been reviewed, and determinations made:

1. Cuyamaca College.

- CS 182 – has C-ID Comp 122, thus is granted Major Substitution to SWC Math 130, and may be used to satisfy the pre-requisite for Math 140, 230, and 265.
- CS 282 – has C-ID Comp 132, thus is granted Major Substitution to SWC Math 140.
- Math 245 (Discrete Math) – No C-ID. This course has been reviewed by SWC Math faculty, and determined to be equivalent to SWC Math 260, but not to SWC Math 265 (Discrete Structures) which is the course required for the Comp. Sci. ADT. This course is not accepted for Major Substitution for the Comp. Science ADT.

2. *Grossmont College.*

The college revised CSIS 293 and 294 and received C-ID approval beginning Fall 2018. When evaluating students entering SWC with these courses, it is important to note the date the student took the course, and apply credit/substitution accordingly.

- **Effective Fall 2018**, CSIS 293 has C-ID Comp 122, thus is granted Major Substitution to SWC Math 130, and may be used to satisfy the pre-requisite for Math 140, 230, and 265.
- **Effective Fall 2018**, CSIS 294 has C-ID Comp 132, thus is granted Major Substitution to SWC Math 140.
- For students that took CSIS 293 **PRIOR to Fall 2018**, the course was determined to be NOT equivalent to SWC Math 130. No equivalency granted, no major substitution granted.
- For students that took CSIS 293 AND 294 **prior to Fall 2018**, the two courses together DO meet the required elements for C-ID Comp 122, thus the two courses together may be granted Major Substitution for SWC Math 130, and used to meet the pre-requisite for Math 140, 230, and 265.
- CSIS 165 – No C-ID, but has been reviewed by SWC math faculty, and determined that it would be granted Major Substitution for Math 230.
- Math 245 (Discrete Math) - No C-ID. This course has been reviewed by SWC Math faculty, and determined to be equivalent to SWC Math 260, but not to SWC Math 265 (Discrete Structures) which is the course required for the Comp. Sci. ADT. This course is not accepted for Major Substitution for the Comp. Science ADT.

3. *Mesa College*

- *CISC 190 – C-ID Comp 122, thus is granted Major Substitution for SWC Math 130, and may be used to satisfy the pre-requisite for Math 140, 230, and 265.
- Math 245 (Discrete Math) - No C-ID. This course has been reviewed by SWC Math faculty, and determined to be equivalent to SWC Math 260, but not to SWC Math 265 (Discrete Structures) which is the course required for the Comp. Sci. ADT. This course is not accepted for Major Substitution for the Comp. Science ADT.

4. City College

- *CISC 190 - C-ID Comp 122, thus is granted Major Substitution for SWC Math 130, and may be used to satisfy the prerequisite for Math 140, 230, and 265.
- Math 107 + 107L - No C-ID, and after review by SWC Math faculty has been determined to NOT meet the required elements for C-ID 122, thus is NOT granted equivalency or Major Substitution for any SWC Math courses.
- Math 245 (Discrete Math) - No C-ID. This course has been reviewed by SWC Math faculty, and determined to be equivalent to SWC Math 260, but not to SWC Math 265 (Discrete Structures) which is the course required for the Comp. Sci. ADT. This course is not accepted for Major Substitution for the Comp. Science ADT.

5. Miramar College

- *CISC 190 – C-ID Comp 122, thus is granted Major Substitution for SWC Math 130, and may be used to satisfy the prerequisite for Math 140, 230, and 265.
- CISC 211 (Effective date Fall 2018) – C-ID Comp 142, thus granted Major Substitution for SWC Math 230. This is a new course, set to begin Fall 2018.
- CISC 191 (Effective date Fall 2019) – C-ID Comp 132, thus granted Major Substitution for SWC Math 140. This is a new course, set to begin Fall 2019.
- CISC 246 (Effective date Fall 2019) – C-ID Comp 152, thus granted Major Substitution for SWC Math 265. This is a new course, set to begin Fall 2019.
- Math 245 (Discrete Math) - No C-ID. This course has been reviewed by SWC Math faculty, and determined to be equivalent to SWC Math 260, but not to SWC Math 265 (Discrete Structures) which is the course required for the Comp. Sci. ADT. This course is not accepted for Major Substitution for the Comp. Science ADT.

6. Palomar College

- CSCI 112 – C-ID Comp 122, thus is granted Major Substitution for SWC Math 130, and may be used to satisfy the prerequisite for Math 140, 230, and 265.
- CSCI 210 – C-ID Comp 132, thus granted Major Substitution for SWC Math 140.
- CSCI 212 – C-ID Comp 142, thus granted Major Substitution for SWC Math 230.
- Math 245 – Discrete Math. Course has not been reviewed. It is likely the course is similar to Discrete Math courses at other community colleges, thus would NOT be granted Major Substitution for Math 265, but the course will be reviewed upon request.

7. *Mira Costa College*

- No course equivalency requests have been received or reviewed.

8. *Imperial Valley College*

- No course equivalency requests have been received, but it appears that the following courses have C-ID approval:
 - CS 221 – C-ID Comp 122, thus is granted Major Substitution for SWC Math 130, and may be used to satisfy the pre-requisite for Math 140, 230, and 265.
 - CS 231 – C-ID Comp 132, thus is granted Major Substitution for SWC Math 140.
 - CS 281 – C-ID Comp 142, thus is granted Major Substitution for SWC Math 230.

If colleges have any additional courses they would like us to review, they should send such requests (along with the course outline) to the SWC Math Department Chair. Updates to this document will be disseminated as revisions/additions occur.

**CISC 190: SWC Computer Science faculty remain concerned that students entering SWC Math 140 having taken CISC 190 appear underprepared, and struggle with the pre-requisite knowledge required. As the course has C-ID approval, Major Substitution will be granted, but it is hoped that future dialogue between faculty at the different colleges can help students transition more effectively.*

Summary Table of Major Substitutions

SWC	C-ID	Grossmont	Cuyamaca	Mesa	City	Miramar	Palomar	Imperial Valley
Math 130	Comp 122	CSIS 293 (Effective Fall 2018)	CS 182	CISC 190	CISC 190	CISC 190	CSCI 112	CS 221
Math 140	Comp 132	CSIS 294 (Effective Fall 2018)	CS 282	None	None	CISC 191 (Effective Fall 2019)	CSCI 210	CS 231
Math 230	Comp 142	CSIS 165	None	None	None	CISC 211 (Effective Fall 2018)	CSCI 212	CS 281
Math 265	Comp 152	None	None	None	None	CISC 246 (Effective Fall 2019)	None	None

***GROSSMONT:** Students who took CSIS 293 prior to Fall 2018 are not eligible for Major Substitution for Math 130 or Math 140. If they took BOTH CSIS 293 and 294, they will be granted Major Substitution for Math 130.