

Considerations for Using the *School Courses for the Exchange of Data (SCED)* Classification System in High School Transcript Studies:
Applications for Converting Course Codes from the *Classification of Secondary School Courses (CSSC)*

Technical/Methodological Report

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Executive Summary

The National Center for Education Statistics (NCES) began collecting high school transcripts with the High School and Beyond (HS&B) longitudinal study of students who were in the 10th grade in 1980. NCES has continued to collect transcripts for a secondary-level cohort in each subsequent decade. This report describes the two high school course-coding systems used by NCES and the development of a crosswalk that allows data coded with the first system to be translated into the second system. It then provides tables with estimates generated using the two different systems.

NCES Secondary Course Classification Systems

In order to analyze student transcript data, NCES developed the *Classification of Secondary School Courses (CSSC)* using data from the initial transcript collection in HS&B. This taxonomy was also used to code courses from high school transcript studies throughout the 1980s, 1990s, and 2000s. In 2007, NCES released the *Secondary School Course Classification System: School Codes for the Exchange of Data (SCED)*, a course classification system designed to facilitate schools' and districts' maintenance of secondary-level transcript data over time and transfer of those data among districts and states (Bradby, Pedroso, and Rogers 2007). NCES anticipated that, when enough districts and states adopted SCED, the resulting standardization of transcript data would facilitate research that could inform policymaking.

In 2013, high school transcripts from students participating in the High School Longitudinal Study of 2009 (HSL:09) were coded using SCED. In order to compare SCED-coded data, such as the HSL:09 transcript data, with those of the earlier secondary longitudinal studies, which were coded using CSSC, NCES, in consultation with outside experts on the coding systems and NCES high school transcript data, developed a crosswalk between the CSSC and SCED. NCES used a three-phase process to develop the crosswalk. In Phase 1, researchers produced a one-to-one match between CSSC and SCED codes whose course titles and descriptions matched exactly. In Phase 2, the team expanded the Phase 1 matching to include many-to-one matches of CSSC to SCED codes and to take into account course level and where each course fell in a sequence of courses. In Phase 3, project staff and experts suggested changes to refine and provided quality control on the

mapping as a whole. NCES recoded transcript data from HS&B as well as the National Education Longitudinal Study of 1988 (NELS:88) and the Educational Longitudinal Study of 2002 (ELS:2002) into SCED codes using the crosswalk.

Issues to Consider When Generating and Comparing CSSC- and SCED-Coded Estimates Across Cohorts

Before comparing estimates generated using the two course-coding systems, analysts considered three issues to ensure that estimates were comparable across cohorts. First, they controlled for the amount of time students were in school by limiting the sample to high school graduates who had complete transcripts. These sample restrictions served to reduce any bias that would occur if dropout rates or the rates at which students transferred among high schools varied among cohorts.

Second, in two of the four secondary school cohorts studied, the sample design included freshening, while the other two were not freshened, and analysts had to take this difference among the samples into account. All cohorts were first sampled before 12th grade (i.e., 8th-graders in NELS:88, high school freshmen in HSLS:09, and high school sophomores in HS&B and ELS:2002). By the time most students from each cohort reached the 12th grade, however, the sample did not represent all 12th-graders in that year because it did not include, for example, students who had repeated a year or accelerated a year during high school. Two of the studies, NELS:88 and ELS:2002, addressed this issue by freshening their samples when most students in the original sample were in 12th grade—that is, they added 12th-grade students to the original sample to represent 12th-graders who would otherwise be excluded. HS&B and HSLS:09 did not freshen their samples.

To assess whether estimates based on HS&B and HSLS:09 transcript data would differ from estimates from NELS:88 and ELS:2002 because the former studies' samples were not freshened, analysts compared estimates of coursetaking statistics based on SCED-coded transcript data from freshened NELS:88 and ELS:2002 samples with corresponding estimates based on nonfreshened samples (i.e., NELS:88 and ELS:2002 samples excluding the cases that were added in freshening). As previous work (Dalton et al. 2007) indicated, there were few differences between estimates based on freshened and nonfreshened data. Where statistically significant differences occurred, they were no more than one-tenth of a Carnegie unit.

Third, CSSC and SCED aggregated course codes into some subject areas somewhat differently, which can affect the comparability of estimates regarding coursetaking within these broadly defined subjects. Although the English and mathematics

aggregations match well between CSSC and SCED, science and social studies/history courses were organized differently between the two systems, with some courses categorized as science or social studies courses in SCED but not in CSSC.

Comparing CSSC- and SCED-Based Estimates

For each of four core academic subject areas (English, mathematics, science, and social studies), analysts generated estimates of the average total number of credits earned by high school graduates with complete transcripts in each of the four secondary longitudinal cohorts. Estimates were disaggregated by sex, race/ethnicity, parents' highest education level, students' expectations for education attainment as of their senior year in high school, and whether the high schools students attended as seniors were public or private. For the 1982 (HS&B), 1992 (NELS:88), and 2004 (ELS:2002) graduates, estimates were generated using both CSSC- and SCED-coded transcript data to compare the results between the two systems. HSLs:09 data were coded only using SCED.

In English, 6 of 17 estimates differed among 2004 graduates. For example, among 2004 Hispanic students, the CSSC-based estimate of average English credits earned was 4.1 credits, and the corresponding SCED-based estimate was 4.5 credits. Other observed differences were one-fifth of a credit or less. None of the pairs of mathematics, science, or social studies estimates differed.

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Introduction

High school students' transcripts provide key information for understanding various aspects of secondary education in the United States. Transcripts can be used to examine how students' high school coursetaking has changed over time and how secondary coursetaking relates to postsecondary education access, persistence, and attainment as well as labor market outcomes. Recognizing the value of coursetaking data, the National Center for Education Statistics (NCES) has collected high school transcripts for students participating in four longitudinal studies that followed students from middle or high school through the early years of their lives after high school.

To translate the information recorded on these high school transcripts into digital information suitable for data analysis, NCES produced *Classification of Secondary School Courses (CSSC)* (Evaluation Technologies Incorporated 1982).¹ NCES first used CSSC to code coursetaking data from transcripts collected as part of High School and Beyond (HS&B), a longitudinal study of high school sophomores in 1980, and continued to use it to code transcripts for both the National Education Longitudinal Study of 1988 (NELS:88) and the Education Longitudinal Study of 2002 (ELS:2002).

With the proliferation of state longitudinal data systems since 2002, administrators needed a common course classification system to enable the electronic exchange of student transcripts among schools, districts, and states. After sponsoring a pilot project to develop such a system, NCES published *Secondary School Course Classification System: School Codes for the Exchange of Data (SCED)*, a system for classifying secondary school courses (Bradby, Pedroso, and Rogers 2007) that states, districts, and schools could opt to use for classifying coursetaking records. SCED was used to classify courses from transcripts collected as part of the High School Longitudinal Study of 2009 (HSL:09).

In order to compare coursetaking between the earlier CSSC-coded data and the more recent SCED-coded data, NCES developed a crosswalk that maps CSSC codes to corresponding SCED codes. This report provides and explains the CSSC-SCED crosswalk. It also describes the CSSC, the development and structure of SCED, and the procedures used to develop the crosswalk and discusses factors that researchers should consider when using SCED-coded data to conduct research among NCES

¹ The CSSC is available on the NCES website at <https://nces.ed.gov/surveys/hst/courses.asp>.

high school cohorts. This report includes a series of tables that compare estimates derived from CSSC- and SCED-based variables. The appendices present the CSSC-to-SCED crosswalk as well as estimates for various measures of high school coursetaking in each of the four secondary longitudinal studies for which transcripts were collected.

Origin and Structure of CSSC

CSSC was originally developed by NCES to provide a standardized classification scheme for courses taken by students participating in HS&B (Evaluation Technologies Incorporated 1982). Subsequently, NCES used CSSC for several major national high school transcript studies, including the High School Transcript Studies (HSTS) associated with the National Assessment of Educational Progress (NAEP) in 1987, 1990, 1994, 1998, 2000, 2005, and 2009, as well as NELS:88 and ELS:2002.

CSSC's framework was taken from the Classification of Instructional Programs (CIP). NCES developed CIP in 1980 and revised it in 1985, 1990, 2000, and 2010. CIP:2010 classifies general groupings of related programs of study into 47 categories, each represented by a two-digit code. Each of these 47 categories is further divided into two sublevels. The first sublevel, represented by an additional two digits and resulting in four-digit codes, represents clusters of programs with similar curricula and goals. The second sublevel, represented by another two digits, results in six-digit codes that identify specific instructional programs. Nearly all CIP program titles describe postsecondary programs of study, including both academic and occupational programs. One of the 47 categories classifies programs of study that lead to the award of a high school diploma or high school certificate (U.S. Department of Education 2010).

Beginning with this three-level CIP framework, CSSC developers used course catalogs from 52 secondary schools in 24 states to design a secondary course classification system (Bradby and Hoachlander 1999). Like CIP, CSSC codes are six-digit codes: the first four digits of CSSC codes are derived from CIP's groupings of instructional programs, and the additional, last two digits associate the code with a specific high school course title. In the CSSC, the first two digits of a course code represent its *main category*, the second two digits represent its *subcategory*, and the last two digits represent the course. Since the CSSC's initial publication in 1982, main categories, subcategories, and individual courses have been added to the CSSC. At present, the CSSC includes codes for approximately 2,180 secondary school course titles organized within 55 main categories. Each six-digit CSSC code is associated with a course title (and sometimes additional alternate titles) and, typically, a few phrases that characterize the course.

Exhibit 1 displays the CSSC codes for two biology courses, demonstrating how the six digits in CSSC codes inform users about courses, and includes the associated

alternative titles and descriptive phrases for each course. Each main category and subcategory have written descriptions (duplicated from the CIP), which are not provided in the exhibit.

Exhibit 1. CSSC codes for two biology courses

| Main category | Subcategory | Course | Alternative title(s) |
|---------------|------------------|------------------|--|
| 26. | 01 | 21 | |
| Life Sciences | Biology, General | Biology, Basic 1 | Biology, Essentials; Biology, Patterns; Life Science; Natural Science; Biology, Functional |

| Main category | Subcategory | Course | Alternative title(s) |
|---------------|------------------|--------------------|--|
| 26. | 01 | 31 | |
| Life Sciences | Biology, General | Biology, General 1 | Biology; Biology, Regents; Biology, Introductory |

What Is SCED?

The goal of SCED was to establish standardized course codes that states, districts, and schools could use to compare and transfer P–12 course information. By facilitating the accumulation of comparable coursetaking data over time and among state and local education agencies, SCED would also enable researchers and evaluators to study relationships between coursetaking and student outcomes. This section describes the procedures used to develop and maintain SCED and then explains the system’s framework and the structure of the course codes.

Development of SCED

Between the development of CSSC and the development of SCED, NCES sponsored the *Pilot Standard National Course Classification System for Secondary Education* (SNCCS) in 1995 (Bradby et al. 1995) to support two NCES projects that were expanding the use of technology to maintain and exchange student data: the *Student Data Handbook for Elementary, Secondary, and Early Childhood Education* (Council of Chief State School Officers [CCSSO] 2001) and the Standardization of Postsecondary Education Electronic Data Exchange/Exchange of Permanent Records Electronically for Students and Schools (SPEEDE/ExPRESS).² CCSSO guided the former project, and a consortium of state and local education agencies oversaw the latter; the goal of both projects was to create data standards for the electronic transmission of many types of data collected by educational institutions. SNCCS was a pilot project whose final objective was to create a system for classifying coursework from early childhood through secondary education. Developers used material (course lists, course descriptions, and coding systems) from five states to create the SNCCS, which was then tested for proof of concept with corresponding material from two additional states.

Addressing the Challenges of CSSC With SNCCS

Developers of SNCCS attempted to address some of the challenges posed by CSSC. In its final two digits, the CSSC coding structure embeds information about a course’s level or rigor and its place within a sequence of courses. With a defined number of course codes, the available codes are sometimes adequate to reflect

² The *Student Data Handbook* was first published in 1994 and revised in 2000 and 2001. Only the 2001 edition is currently available on the NCES website.

school offerings using these two digits, but in other cases, they are not. Faced with the CSSC as provided, education agencies certainly could (and undoubtedly did) alter and add to the CSSC to fit their needs. For instance, a district might add new codes when the CSSC did not offer enough codes to adequately cover all the levels of offered courses or to display enough years of coursework. The resulting differences between versions, however, prevented the CSSC from being useful for exchanging electronic data among education systems; course codes represented different courses across districts. The CSSC also posed challenges because its newer main categories and subcategories lacked descriptions and many courses had either sparse course descriptors or none at all.

SNCCS addressed these challenges in two ways: SNCCS course codes signified course rigor by including a specific digit for that purpose in course identifier codes. This digit was separate from the main code associated with a course description and allowed codes to represent sequences of courses with the same main course description (Bradby et al. 1995).

Given the limited use of electronic data systems at the time, SNCCS was not widely adopted by education agencies. Those who did use SNCCS, however, provided valuable feedback. For example, the subject fields of the SNCCS were roundly criticized as unwieldy, too difficult to apply, and too complex, threatening the reliability of coding among schools, districts, and states. The developers of SCED attempted to address the concerns raised by SNCCS users.

Developing SCED

The process of developing SCED began with an effort to compare and crosswalk CSSC and SNCCS. This comparison yielded important insights into aspects of the two systems that worked well and should be retained as well as the challenges that these systems posed and that needed to be rectified in any new system (Bradby, Pedroso, and Rogers 2007). Several guiding principles emerged from the developers' research into CSSC, SNCCS, and their relationships to each other. NCES determined that the new, voluntary system must be sufficiently flexible to meet the needs of local users, including the need to compare course information, maintain longitudinal data, and exchange coursetaking records; to be crosswalked with CSSC to allow trend analyses; and to be maintained using a process that invited local contributions and kept pace with curriculum changes over time.

Additional guiding principles specified that course descriptions would focus on course content rather than potential student populations, and users would have the option of expanding upon the basic codes to add additional course information.

Reviews and comparisons of state and district course lists and catalogs from approximately 30 states formed the basis of the structure, course codes, and course descriptions used in the SCED. An external review committee helped NCES guide the development process, while members of the National Forum on Education Statistics (NFES), curriculum experts, educators, and researchers reviewed iterations of the SCED's framework and course descriptions.

NFES, a group of 150 representatives from state and local education agencies, the federal government, and associated organizations, has updated and maintained the system since 2007 with assistance of subject area experts and professional groups. In 2011, the SCED was expanded to include prior-to-secondary coursework (including early childhood education) (NFES 2011). In addition to adding and editing course codes and descriptions, SCED version 2.0, made available March 2014, recoded the prior-to-secondary courses into the same subject area codes as the secondary courses. As of this writing, SCED version 6.0 is the most current (<https://nces.ed.gov/forum/SCED.asp>).

SCED Framework and Structure of Course Identifiers

The SCED Framework defines four elements of a course that are represented in the 12-character course identifier (ID) (exhibit 2). Each unique course code (the 5-digit Element 1) is associated with a written course description that outlines the general topics typically covered within the code's courses. Elements 2–4 indicate the course level, the amount of Carnegie unit credit students earn by taking the course or the grade span of students who take the course, and where the course falls in a sequence of courses.

Exhibit 2. Elements of 12-digit SCED course identifier

| Framework element | Number and character type | Description of characters used in element | |
|-------------------|--|---|--|
| 1 | Course Code: subject area | 2 digits | One of 23 course subject areas (e.g., Mathematics, English Language and Literature, Life and Physical Sciences) |
| | Course Code: number | 3 digits | 3-digit code assigned to a course description within a subject area |
| 2 | Course Level | 1 character | B (basic or remedial) G (general or regular) E (enriched or advanced) H (honors) C (college) X (no specified level of rigor) |
| 3 | Available Carnegie Unit Credit or Grade Span | 4 characters (either 1 digit, decimal point, 2 digits [x.xx] or 2 pairs of digits [xxyy]) | Amount of credit available upon successful completion of course (a course that meets for one period every day of the school year offers 1 Carnegie unit); or the appropriate grade span for the course (used largely for prior-to-secondary courses) |
| 4 | Sequence of Course | 2 digits | First digit represents where course falls in sequence, second digit represents number of courses in sequence |

SOURCE: National Forum of Education Statistics 2014.

Exhibit 3 provides an example of how the four elements combine to identify two biology courses, 03051H1.0011 and 03051R0.5012, and how the level, credit, and sequence vary depending upon the specific course offerings in a given school, district, or state. The SCED course code 03051 has an associated course description indicating course topics typically covered in such a course.

Exhibit 3. SCED identifier for two biology courses

| course description | | course level | available credit | sequence |
|--|------------|--------------|------------------------|---|
| 03 | 051 | H | 1.00 | 1 1 |
| Life and Physical Sciences (secondary) | Biology | Honors | one Carnegie unit | "1 of 1"—not part of a sequence |
| course description | | course level | available credit | sequence |
| 03 | 051 | R | 0.50 | 1 2 |
| Life and Physical Sciences (secondary) | Biology | Regular | one-half Carnegie unit | "1 of 2"—1st part of a 2-part sequence of biology courses |

Education agencies apply the SCED elements to code coursework according to their needs; for example, some use only Element 1, while others use all four elements. Although the first five digits of a SCED code are sufficient to classify a course, the 12-character course IDs provide significantly more information. In addition to the 12-characters in the course ID, users may add additional information about the course through *attributes*. Attributes are used at the discretion of the school or agency and are defined by users rather than SCED developers. Examples of potential attributes for a course include such characteristics as its local title, types of credits or units (in addition to Carnegie units) that can be earned through course completion, course grade point average (GPA) applicability, and whether the course fulfills a high school graduation requirement (NFES 2014). The datasets analyzed to generate the estimates in this report did not include attributes.

CSSC/SCED Crosswalk

Development of the Crosswalk

As more state and local education agencies established state longitudinal data systems, more agencies also adopted SCED. NCES decided that a crosswalk should be attempted between the SCED and the CSSC to determine whether the SCED could be used as the classification system for future transcript studies. Using SCED to code transcript studies would capitalize on the precoding of transcripts collected from agencies that used the SCED. A crosswalk would provide this benefit without preventing comparisons with previous transcript studies.

The crosswalk was developed in three phases, using the version of the CSSC that was used to code HSTS 2009 and SCED version 2.0 (March 2014) and in consultation with a panel of experts on high school course-coding systems and NCES high school transcript data. In Phase 1, analysts mapped courses between systems based on course titles and descriptions; most of these matches occurred between courses in comparable main categories (CSSC) and subject areas (SCED). With approximately 2,400 courses in CSSC and 1,400 base courses in SCED (that is, five-digit codes using only Element 1), this mapping resulted in four categories of course codes: CSSC codes with a one-to-one correspondence to SCED codes considered to be exact or near-exact matches; CSSC codes that closely matched SCED codes, but with minor differences in descriptions of course content that further review might resolve; CSSC codes not included in SCED; and SCED codes not included in CSSC. Over half of the CSSC codes had no match in the SCED. Of these, 39 percent had no reported credits earned by graduates in the 2009 HSTS, and 49 percent had reported credits for less than 0.5 percent of graduates.

Phase 2 incorporated SCED Elements 2 and 4 into the crosswalk process, enabling better one-to-one matches in terms of course rigor and sequence. Phase 2 also allowed many-to-one matches of multiple CSSC codes to a single SCED code. These many-to-one matches involved several types of correspondence between codes. First, even if a SCED code had been identified as an exact match to one particular CSSC code previously, other CSSC codes were also matched to that SCED code. For example, the SCED code 01056, British Literature, best matches the CSSC code 23.0811, which has the main course title British Literature Survey. During Phase 2, SCED code 01056, British Literature, was also matched to Shakespeare (23.0821),

Modern British Writers (23.0831), Victorian Literature (23.0841), Modern British Satire (23.0851), Arthurian Legend (23.0861), and Medieval Literature (23.0871).

Second, CSSC courses that are more specific in nature (e.g., Farm and Ranch Management [01.0131] and State and Community Agriculture [01.0141]) were matched to broad SCED courses (e.g., Particular Topics in Agribusiness) that were intended to capture these specific but uncommon courses. Finally, general CSSC courses were also matched to general or specific SCED courses. For example, both CSSC's Horticulture (01.0611) and Horticulture, Other (01.0600) were matched to SCED's Horticulture Science (18052).

By Phase 3, NCES had decided that SCED would be used to code transcripts collected for HSLS:09 and future NCES transcript collections. Therefore, during this final phase, the crosswalk was refined and completed with additional quality control activities. More SCED codes were created, most notably for Advanced Placement (AP) courses (supported by the College Board) and International Baccalaureate (IB) courses (supported by the International Baccalaureate Organisation) that had been developed after the initial 2007 publication of SCED. Throughout Phase 3, NCES obtained extensive input from researchers and contractors who had worked with national transcript datasets and the two course-coding systems to resolve issues of interpretation and ambiguity. The final CSSC-to-SCED crosswalk is provided in appendix A. Entries are ordered by five-digit SCED code, and within five-digit SCED codes, by CSSC code.

Crosswalk Deviations

Secondary students earn the majority of their high school credits in a few subject areas—English, mathematics, science, social studies, foreign language, and visual/performing arts—for which the main categories of the CSSC and the subject areas of the SCED align to a large extent. A few types of courses, however, do not always align well, including special education courses and subsets of courses in the core academic subject areas of English, mathematics, science, and social sciences.

Special Education Courses

One consistent exception to the generally smooth alignment for the English, mathematics, science, and social studies subject areas are CSSC codes used to code special education courses (CSSC main categories 52, 54, 55, and 56, with subcategories indicating subject matter). SCED does not include a subject matter reserved for courses serving students who need or receive special education services because SCED course descriptions focus on content and avoid specifying delivery

methods, audience, or location. Instead, users may develop their own attributes to designate special education courses within a SCED subject matter (NFES 2014). In the crosswalk, CSSC codes within main categories 52, 54, 55, and 56 were mapped to a SCED code based on the course subject matter. For example, CSSC code 54.1101, Functional Consumer Math, was mapped to SCED code 02157, Consumer Math.

English Courses Outside CSSC's Main Category Letters

The majority of the CSSC courses crosswalked to SCED's English Language and Literature subject area (01) are from CSSC's main category Letters (23). Exhibit 4 displays the few CSSC codes outside of main category 23 that were crosswalked into the SCED English subject area.

Exhibit 4. Courses other than those within Letters (CSSC) crosswalked to English Language and Literature (SCED)

| CSSC Main Category | CSSC Code | CSSC Title(s) | SCED Title | SCED Code |
|---|-----------|---|------------------------------|-----------|
| Foreign Languages | 16.0121 | English as a Second Language 1; TESOL, Beginning | English as a Second Language | 01008 |
| Foreign Languages | 16.0121 | English as a Second Language 2; TESOL, Intermediate | English as a Second Language | 01008 |
| Foreign Languages | 16.0121 | English as a Second Language 3; TESOL, Advanced | English as a Second Language | 01008 |
| Foreign Languages | 16.0124 | English as a Second Language, Skills Lab | English as a Second Language | 01008 |
| Foreign Languages | 16.0125 | Transitional English | English as a Second Language | 01008 |
| Social Sciences | 45.0881 | Integrated English/History 1 (History) | American Literature/History | 01055 |
| Social Sciences | 45.0882 | Integrated English/History 2 (History) | American Literature/History | 01055 |
| Social Sciences | 45.0883 | Integrated English/History 3 (History) | American Literature/History | 01055 |
| Multi/Interdisciplinary Studies | 30.0721 | Women's Studies in Literature | Literature of a People | 01064 |
| Philosophy and Religion | 38.0211 | Religion and Literature | Literature of a Theme | 01065 |
| General (Including Pre-Vocational Programs) EMH | 52.0103 | English/Language Arts EMH | Language Arts Laboratory | 01009 |
| General (Including Pre-Vocational Programs) EMH | 52.0203 | English/Language Arts EH | Language Arts Laboratory | 01009 |
| General (Including Pre-Vocational Programs) EMH | 52.0301 | English/Language Arts Deaf | Language Arts Laboratory | 01009 |

See notes at end of table.

Exhibit 4. Courses other than those within Letters (CSSC) crosswalked to English Language and Literature (SCED)—Continued

| CSSC Main Category | CSSC Code | CSSC Title(s) | SCED Title | SCED Code |
|---|-----------|---|------------------------------------|-----------|
| Special Education | 54.2011 | Functional Language Arts 1 | Language Arts Laboratory | 01009 |
| Special Education | 54.2019 | Functional Language Arts 1, not for credit | Language Arts Laboratory | 01009 |
| Special Education | 54.2021 | Functional Language Arts 2 | Language Arts Laboratory | 01009 |
| Special Education | 54.2029 | Functional Language Arts 2, not for credit | Language Arts Laboratory | 01009 |
| Special Education | 54.2031 | Functional Language Arts 3 | Language Arts Laboratory | 01009 |
| Special Education | 54.2039 | Functional Language Arts 3, not for credit | Language Arts Laboratory | 01009 |
| Special Education | 54.2041 | Functional Language Arts 4 | Language Arts Laboratory | 01009 |
| Special Education | 54.2049 | Functional Language Arts 4, not for credit | Language Arts Laboratory | 01009 |
| Special Education | 54.2051 | Functional Vocational English | Applied English and Communications | 01159 |
| Special Education | 54.2059 | Functional Vocational English, not for credit | Applied English and Communications | 01159 |
| Special Education | 54.2101 | Functional Reading | Corrective Reading | 01068 |
| Special Education | 54.2109 | Functional Reading, not for credit | Corrective Reading | 01068 |
| Special Education | 54.2201 | Functional Oral Communication | Applied English and Communications | 01159 |
| Special Education | 54.2209 | Functional Oral Communication, not for credit | Applied English and Communications | 01159 |
| Special Education | 54.2301 | Functional Writing | Applied English and Communications | 01159 |
| Special Education | 54.2309 | Functional Writing, not for credit | Applied English and Communications | 01159 |
| Special Education - Resource Curriculum | 56.2300 | Special Education Language Arts | Language Arts Laboratory | 01009 |
| Special Education - Resource Curriculum | 56.2310 | Special Education Reading | Corrective Reading | 01068 |
| Special Education - Resource Curriculum | 56.2311 | Resource Reading | Corrective Reading | 01068 |
| Special Education - Resource Curriculum | 56.2319 | Resource Reading, not taken for credit | Corrective Reading | 01068 |
| Special Education - Resource Curriculum | 56.2320 | Special Education Writing - Middle School Level | Writing | 01139 |
| Special Education - Resource Curriculum | 56.2322 | Resource Room English 2 (Special Education) | Language Arts Laboratory | 01009 |
| Special Education - Resource Curriculum | 56.2329 | Resource Writing, not for credit | Language Arts Laboratory | 01009 |

NOTE: EH = emotionally handicapped; EMH = educable mentally handicapped; TESOL = teaching English to speakers of other languages.

Mathematics Courses Outside CSSC's Main Category Mathematics

Similarly, most of the CSSC courses crosswalked to SCED's Mathematics subject area (02) are from CSSC's Mathematics main category (27). Exhibit 5 displays courses that were not classified in CSSC's Mathematics main category but were classified in SCED's Mathematics subject area.

Exhibit 5. Courses other than those within Mathematics (CSSC) crosswalked to Mathematics (SCED)

| CSSC Main Category | CSSC Code | CSSC Title(s) | SCED Title | SCED Code |
|---|------------------|---|--------------------------------------|------------------|
| Agribusiness and Agricultural Production | 01.0151 | Agricultural Mathematics | Occupationally Applied Math | 02152 |
| Allied Health | 17.0651 | Nurse's Mathematics | Occupationally Applied Math | 02152 |
| Business and Office | 07.0171 | Business Mathematics 1; Business Arithmetic; Career Computation 1 | Business Math | 02154 |
| Business and Office | 07.0172 | Business Mathematics 2; Business Arithmetic 2; Career Computation 2 | Business Math | 02154 |
| Business and Office | 07.0221 | Financial Mathematics 1; Business Arithmetic; Career Computation 1 | Business Math | 02154 |
| Computer and Information Sciences | 11.0121 | Computer Mathematics 1; Computer Problem Solving; Mathematics and Computing | Computer Math with Algebra | 02156 |
| Computer and Information Sciences | 11.0122 | Computer Mathematics 2 | Computer Math with Algebra | 02156 |
| General (Including Pre-Vocational Programs) EMH | 52.0102 | Mathematics EMH | Particular Topics in Foundation Math | 02003 |
| General (Including Pre-Vocational Programs) EMH | 52.0204 | Mathematics EH | Particular Topics in Foundation Math | 02003 |
| General (Including Pre-Vocational Programs) EMH | 52.0302 | Mathematics Deaf | Particular Topics in Foundation Math | 02003 |
| Special Education | 54.1001 | General Math Skills | Particular Topics in Foundation Math | 02003 |
| Special Education | 54.1009 | Functional Math Skills, not for credit | Particular Topics in Foundation Math | 02003 |
| Special Education | 54.1101 | Functional Consumer Math | Consumer Math | 02157 |
| Special Education | 54.1109 | Functional Consumer Math, not for credit | Consumer Math | 02157 |
| Special Education | 54.1201 | Functional Vocational Math | Particular Topics in Foundation Math | 02003 |
| Special Education | 54.1209 | Functional Vocational Math, not for credit | Particular Topics in Foundation Math | 02003 |

See notes at end of table.

**Exhibit 5. Courses other than those within Mathematics (CSSC) crosswalked to Mathematics (SCED)—
Continued**

| CSSC Main Category | CSSC Code | CSSC Title(s) | SCED Title | SCED Code |
|---|-----------|--|-----------------------|-----------|
| Special Education - Resource Curriculum | 56.2700 | Special Education Math | Foundation Math—Other | 02049 |
| Special Education - Resource Curriculum | 56.2701 | Resource General Math | Foundation Math—Other | 02049 |
| Special Education - Resource Curriculum | 56.2709 | Resource General Math, not for credit | Foundation Math—Other | 02049 |
| Special Education - Resource Curriculum | 56.2711 | Resource Vocational Math | Foundation Math—Other | 02049 |
| Special Education - Resource Curriculum | 56.2719 | Resource Vocational Math, not for credit | Foundation Math—Other | 02049 |
| Special Education - Resource Curriculum | 56.2721 | Resource Consumer Math | Consumer Math | 02157 |
| Special Education - Resource Curriculum | 56.2729 | Resource Consumer Math, not for credit | Consumer Math | 02157 |

NOTE: EH = emotionally handicapped; EMH = educable mentally handicapped.

Science Courses Outside CSSC’s Main Categories for the Sciences

Life and Physical Sciences (SCED subject area 03) contains course codes from the CSSC main categories Life Sciences (26), Physical Sciences (40), and Physical Sciences Technologies (41). Courses from other CSSC main categories that were crosswalked to Life and Physical Sciences are enumerated in exhibit 6.

Exhibit 6. Courses other than those within Life Sciences, Physical Sciences, and Physical Sciences Technologies (CSSC) crosswalked to Life and Physical Sciences (SCED)

| CSSC Main Category | CSSC Code | CSSC Title(s) | SCED Title | SCED Code |
|---------------------------------|-----------|--|--|-----------|
| Multi/Interdisciplinary Studies | 30.0100 | Biological and Physical Sciences, Other | Life and Physical Sciences—Other | 03999 |
| Multi/Interdisciplinary Studies | 30.0111 | Science, Unified; Science, Basic; Science, General; Science Ideas; Science Workshop; Science, Applied; Physical and Life Science | Unified Science | 03202 |
| Multi/Interdisciplinary Studies | 30.0112 | College Pre-Science Skills | Life and Physical Sciences—Other | 03999 |
| Multi/Interdisciplinary Studies | 30.0113 | Science, Unified, Advanced; Science, Integrated, Advanced | Unified Science | 03202 |
| Multi/Interdisciplinary Studies | 30.0121 | Science Study, Independent; Science Investigations; Science Research Techniques | Life and Physical Sciences—Independent Study | 03997 |

See notes at end of table.

Exhibit 6. Courses other than those within Life Sciences, Physical Sciences, and Physical Sciences Technologies (CSSC) crosswalked to Life and Physical Sciences (SCED)—Continued

| CSSC Main Category | CSSC Code | CSSC Title(s) | SCED Title | SCED Code |
|---|-----------|--|--------------------------------------|-----------|
| Multi/Interdisciplinary Studies | 30.0131 | Outdoor Education | Life and Physical Sciences— Other | 03999 |
| Multi/Interdisciplinary Studies | 30.0321 | IB Design Technology, Standard | IB Design Technology | 03206 |
| Multi/Interdisciplinary Studies | 30.0322 | IB Design Technology, Higher | IB Design Technology | 03206 |
| Multi/Interdisciplinary Studies | 30.0600 | Systems Science, Other | Science, Technology, and Society | 03210 |
| Multi/Interdisciplinary Studies | 30.0611 | Futuristics; Science Technology and the Future; History of the Future; Future Worlds | Life and Physical Sciences— Other | 03999 |
| Multi/Interdisciplinary Studies | 30.0621 | Environmental Science; Environmental Issues; Human Communities; People Technology and the Environment | Environmental Science | 03003 |
| Multi/Interdisciplinary Studies | 30.0623 | IB Environmental Studies | IB Environmental Science | 03208 |
| Multi/Interdisciplinary Studies | 30.0631 | Energy and Environment | Energy and the Environment | 03012 |
| Personal and Social Development: Citizenship/Civic Activities | 33.0112 | Life Sciences Laboratory Assistant/Aide | Life and Physical Sciences— Aide | 03995 |
| Personal and Social Development: Citizenship/Civic Activities | 33.0113 | Physical Sciences Laboratory Assistant/Aide | Life and Physical Sciences— Aide | 03995 |
| Social Sciences: Social Studies | 45.0707 | Physical Geography | Physical Geography | 03007 |
| General (Including Pre- Vocational Programs) EMH | 52.0104 | Science EMH | Life and Physical Sciences— Other | 03999 |
| General (Including Pre- Vocational Programs) EMH | 52.0205 | Science EH | Life and Physical Sciences— Other | 03999 |
| General (Including Pre- Vocational Programs) EMH | 52.0303 | Science Deaf | Life and Physical Sciences— Other | 03999 |
| Special Education | 54.4001 | Functional Science | Life and Physical Sciences— Other | 03999 |
| Special Education | 54.4009 | Functional Science, not for credit | Life and Physical Sciences— Other | 03999 |
| Special Education - Resource Curriculum | 56.4000 | Special Education General Science | Life and Physical Sciences— Other | 03999 |
| Special Education - Resource Curriculum | 56.4001 | Resource General Science | Life and Physical Sciences— Other | 03999 |
| Special Education - Resource Curriculum | 56.4009 | Resource General Science, not for credit | Life and Physical Sciences— Other | 03999 |

NOTE: EH = emotionally handicapped; EMH = educable mentally handicapped.

Social Sciences and History Courses Outside CSSC's Main Categories for Social Sciences

With two exceptions, SCED’s Social Sciences and History (04) contains crosswalked courses from the CSSC main categories of Area and Ethnic Studies (05), Law (22), Psychology (42), and Social Sciences (45). The first exception is CSSC code 45.0707, Physical Geography, which was matched to SCED’s Life and Physical Sciences subject area (code 03007, Physical Geography). The second exception is CSSC code 45.1028, Political Leadership, which was matched to SCED’s Miscellaneous subject area (code 22101, Leadership). Descriptors for both CSSC code 45.1028 and SCED code 22101 denote a course for such student leaders as officers of student groups and governance bodies.

In addition to codes in CSSC’s main categories of Area and Ethnic Studies, Law, Psychology, and Social Sciences, 22 courses in the CSSC main categories of Liberal/General Studies (24), Multi/Interdisciplinary Studies (30), and Philosophy (38) were crosswalked to SCED’s Social Sciences and History subject area (exhibit 7). The eight functional, special education, and resource CSSC course codes that were crosswalked to SCED’s Social Sciences and History subject area are also listed in exhibit 7.

Exhibit 7. Courses other than those within Area and Ethnic Studies, Law, Psychology, and Social Sciences (CSSC) crosswalked to Social Sciences and History (SCED)

| CSSC Main Category | CSSC Code | CSSC Title(s) | SCED Title | SCED Code |
|---------------------------------|-----------|--|-----------------------------------|-----------|
| Liberal/General Studies | 24.0100 | Liberal/General Studies, Other | Social Sciences and History—Other | 04999 |
| Liberal/General Studies | 24.0111 | Liberal Studies | Particular Topics in Humanities | 04310 |
| Multi/Interdisciplinary Studies | 30.0400 | Humanities and Social Sciences, Other | Social Sciences and History—Other | 04999 |
| Multi/Interdisciplinary Studies | 30.0411 | Humanities; People and their Culture | Humanities Survey | 04301 |
| Multi/Interdisciplinary Studies | 30.0421 | Humanities, European; Humanities of Western Civilization | Issues of Western Humanities | 04303 |
| Multi/Interdisciplinary Studies | 30.0431 | Humanities, American | Particular Topics in Humanities | 04310 |
| Multi/Interdisciplinary Studies | 30.0441 | Humanities, African | Particular Topics in Humanities | 04310 |
| Multi/Interdisciplinary Studies | 30.0451 | Humanities, Near East and Far East | Particular Topics in Humanities | 04310 |
| Multi/Interdisciplinary Studies | 30.0500 | Peace Studies, Other | Particular Topics in Humanities | 04310 |
| Multi/Interdisciplinary Studies | 30.0700 | Women’s Studies, Other | Social Sciences and History—Other | 04999 |

See notes at end of table.

Exhibit 7. Courses other than those within Area and Ethnic Studies, Law, Psychology, and Social Sciences (CSSC) crosswalked to Social Sciences and History (SCED)—Continued

| CSSC Main Category | CSSC Code | CSSC Title(s) | SCED Title | SCED Code |
|---|----------------------|--|-----------------------------------|-----------|
| Multi/Interdisciplinary Studies | 30.0711 | Women's Studies; Women in American Society | U.S. Gender Studies | 04108 |
| Multi/Interdisciplinary Studies | 30.9900 | Multi/Interdisciplinary Studies, Other | Social Sciences and History—Other | 04999 |
| Basic Skills | 32.0119 ¹ | Contemporary Issues, Basic Skills | United States and World Affairs | 04156 |
| Citizenship/Civic Activities | 33.0161 ¹ | U.S. History, Remedial | U.S. History—Comprehensive | 04101 |
| Philosophy and Religion | 38.0100 | Philosophy, Other | Particular Topics in Philosophy | 04307 |
| Philosophy and Religion | 38.0111 | Philosophy; Systems of Philosophy; Philosophy Seminar | Philosophy | 04306 |
| Philosophy and Religion | 38.0112 | IB Philosophy | IB Philosophy | 04309 |
| Philosophy and Religion | 38.0121 | Ethics | Particular Topics in Philosophy | 04307 |
| Philosophy and Religion | 38.0131 | Logic; English Language, Logic, and Reason; Clear Thinking | Particular Topics in Philosophy | 04307 |
| Philosophy and Religion | 38.0141 | Epistemics | Particular Topics in Philosophy | 04307 |
| Philosophy and Religion | 38.0142 | IB Theory of Knowledge | IB Theory of Knowledge | 04304 |
| Philosophy and Religion | 38.0151 | Social Justice Issues; Peace and Social Justice | Particular Topics in Philosophy | 04307 |
| General (Including Pre-Vocational Programs) EMH | 52.0105 | Social Studies EMH | Social Sciences and History—Other | 04999 |
| General (Including Pre-Vocational Programs) EMH | 52.0206 | Social Studies EH | Social Sciences and History—Other | 04999 |
| General (Including Pre-Vocational Programs) EMH | 52.0304 | Social Studies Deaf | Social Sciences and History—Other | 04999 |
| Special Education | 54.4501 | Functional Social Studies | Social Sciences—Other | 04299 |
| Special Education | 54.4509 | Functional Social Studies, not for credit | Social Sciences—Other | 04299 |
| Special Education - Resource Curriculum | 56.4500 | Special Education Social Studies | Social Sciences—Other | 04299 |
| Special Education - Resource Curriculum | 56.4501 | Resource Social Studies | Social Sciences—Other | 04299 |
| Special Education - Resource Curriculum | 56.4509 | Resource Social Studies, not for credit | Social Sciences—Other | 04299 |

¹ These codes were moved to main category 45 (Social Studies) in more recent iterations of the CSSC.

NOTE: EH = emotionally handicapped; EMH = educable mentally handicapped.

Issues Related to Comparing Secondary School Cohorts' Coursetaking

Differences among the NCES secondary longitudinal studies' samples as well as differences between CSSC and SCED may affect choices researchers make when analyzing secondary longitudinal study data to investigate high school coursetaking over time. This section describes the four secondary school longitudinal datasets that were analyzed for this report. It then discusses how researchers may compensate for differences among the datasets to ensure comparable analyses over time. The section concludes with a discussion of how course codes were aggregated to create comparable subject area categories for CSSC- and SCED-coded data.

Data Sources

The data analyzed in this report were collected through the four longitudinal studies of secondary school students begun by NCES between 1980 and 2009: the High School and Beyond Longitudinal Study of 1980 (HS&B), the National Education Longitudinal Study of 1988 (NELS:88), the Education Longitudinal Study of 2002 (ELS:2002), and the High School Longitudinal Study of 2009 (HSL:09). Descriptions of each of these datasets follow.

High School and Beyond

The HS&B longitudinal survey was first administered in 1980 to stratified, nationally representative, probability samples of high school sophomores and seniors. This report used the 1980 sophomore cohort sample, who were administered follow-up surveys in 1982, 1984, 1986, and 1992.

As part of the first follow-up data collection, high school transcripts were collected for a probability subsample of 18,500 members of the 1980 sophomore cohort, most of whom were high school seniors in September 1982. For this report, the demographic characteristics of the 1982 graduates were drawn from the base-year or first follow-up data file and their coursetaking information was drawn from the transcript data file. More information on the first follow-up and transcript data files, including detailed descriptions of response rates, can be found in *High School and Beyond Transcripts Survey (1982), Data File User's Manual* (Jones et al. 1983).

National Education Longitudinal Study of 1988

NELS:88 began by administering questionnaires to a stratified, nationally representative, probability sample of 8th-graders in 1988. The first and second follow-ups revisited the same sample of students in 1990 and 1992, when most of them were in the 10th and 12th grades, respectively. The third and fourth follow-ups were conducted in 1994 and 2000, approximately 2 and 8 years after their scheduled graduation from high school.

Unlike HS&B, for each in-school follow-up (i.e., 1990 and 1992), the NELS student sample was freshened to obtain a representative, cross-sectional grade-cohort (i.e., 10th-graders in 1990 and 12th-graders in 1992). To freshen the sample, 1990 sophomores and 1992 seniors who had not been 8th-graders in 1988 were randomly selected to participate in the 1990 and 1992 data collections, respectively. The resulting samples of 1990 sophomores and 1992 seniors represent all U.S. 1990 sophomores and 1992 seniors.

In addition, as part of the second follow-up in 1992, high school transcripts were collected for the following groups of students: those who attended the subset of second follow-up schools that were selected for the transcript study, all dropouts, all early graduates, and sample members with disabilities that precluded them from completing a student questionnaire and cognitive test battery in the base year and the first and second follow-ups. Of the approximately 17,300 students in the transcript file, about 13,500 were identified as high school graduates with complete transcripts.

For this report, the demographic characteristics of 1992 high school graduates came from the NELS:88 second follow-up data file, and their coursetaking information came from the survey's transcript data file. For more information on the NELS:88 second follow-up transcript study, including detailed descriptions of response rates, see *NELS:88 Second Follow-up: Transcript Component Data File User's Manual* (Ingels et al. 1995).

Education Longitudinal Study of 2002

ELS:2002 began with a stratified, nationally representative, probability sample of high school sophomores in 2002. Students were surveyed three times after the base-year data collection, in 2004, 2006, and 2012. Transcripts were collected in fall 2004, after most students' 12th-grade year, for students who completed either the base-year or first follow-up questionnaire.³ As with NELS:88, the sample was freshened in

³ For questionnaire-eligible sample members, transcript eligibility was based on participation (completing at least the student questionnaire) in either or both surveys. Transcripts were also collected for questionnaire-ineligible sample members (i.e., the small number of individuals who could not be surveyed because of severe disability or a language barrier, and who appear only on restricted use files).

2004 to provide a nationally representative sample of 12th-graders. Demographic data were drawn from first follow-up data, and coursetaking data were drawn from the transcript data file. For more information on the ELS:2002 second follow-up transcript study, including detailed descriptions of response rates, see *ELS:2002 Base-Year to Second Follow-up Data File Documentation* (Ingels et al. 2007).

High School Longitudinal Study of 2009

HSLs:09 began with a stratified, nationally representative, probability sample of high school freshmen, defined as 9th-graders attending schools that included both 9th and 11th grades, in 2009. After the base year, students were surveyed during the first follow-up in 2012, an update in 2013, and the second follow-up in 2016. Transcripts were collected following the 2012–13 school year, most students' 12th-grade year, for students who completed either the base-year or first follow-up questionnaire.⁴ Demographic data were drawn from the 2013 Update data, and coursetaking data were drawn from the transcript data file.

Whereas NELS:88 and ELS:2002 freshened their cohorts in follow-up surveys to develop multiple cohorts (three in NELS:88 and two in ELS:2002), HSLs:09 includes only one cohort. The earlier studies freshened the sample to facilitate cross-cohort comparisons (e.g., trends among high school seniors in 1972, 1980, and 1992). Because HSLs:09 has no specific cross-cohort comparison points within the family of NCES secondary longitudinal studies, this rationale for freshening did not apply. Freshening also was made problematic by the fact that the 9th-grade sample does not represent all (or nearly all) 9th-graders (schools were eligible if and only if they had both a 9th grade and an 11th grade at the time of sampling). For more information on the HSLs:09 transcript study, including detailed descriptions of response rates, see *High School Longitudinal Study of 2009 (HSLs:09) 2013 Update and High School Transcript Data File Documentation* (Ingels et al. 2015).

Ensuring Comparability of Samples Among Cohorts

At least two issues affect sample comparability among the four cohorts: whether students' opportunities to earn credits across cohorts were equivalent and whether the samples of the four cohorts represent equivalent populations. This section describes these two issues and the methods used in this study to minimize their impact on comparability.

⁴ Transcripts collected included those from students incapable of completing the first follow-up questionnaire due to language, physical, or intellectual barriers; questionnaire-capable students who responded in neither the base year nor the first follow-up; and deceased and study withdrawal sample members.

Controlling for Time in School

The number of credits students earn is necessarily related to the amount of time they spend in school: Students who drop out of school in the 11th grade will not have had the opportunity to earn as many credits as students who complete 12th grade, for example. Consequently, if dropout rates or the timing of dropout varies among cohorts, estimates of credits completed will be biased for some cohorts relative to others. Student transfer among schools can also lead to bias. For students who attended multiple high schools, data collectors had to collect transcripts for all high schools attended, and if some transcripts were not available for some students, the credit totals for those who had missing transcripts would be biased downward.

Therefore, following the recommendations of Ingels and Taylor (1995), the analysis was restricted to sample members who were high school graduates and had a complete transcript. High school graduates were defined as spring-term senior cohort members⁵ who graduated with an honors or standard diploma by August 31 of their graduating year (1982 for HS&B, 1992 for NELS:88, 2004 for ELS:2002, and 2013 for HSLs:09 sample members). Sample members had a *complete transcript* if their transcript records (which could aggregate transcripts from multiple schools) included at least 16 Carnegie units (a Carnegie unit is a credit hour, i.e., the equivalent of a course taken every day, 1 period per day, for a full school year), with a positive, nonzero number of units completed in English.

Comparing Samples Among Studies

The different sampling strategies used among the studies lead to questions regarding the comparability of the samples across the studies and the populations they represent. In this section, we address two issues regarding comparability: first, the effect of sample freshening in data collection waves after the base year; and second, the effect of excluding schools that offered grades 10–12 from the initial school sample. This section addresses each of these concerns in turn.

Freshened vs. Nonfreshened Samples of 12th-Graders

All cohorts were first sampled before students were in 12th grade (i.e., 8th-graders in NELS:88, high school freshmen in HSLs:09, and high school sophomores in HS&B and ELS:2002). By the time most students from each cohort reached the 12th grade, however, the samples did not represent all 12th-graders in that year because it did

⁵ Spring-term senior cohort members were defined as students enrolled in the spring term of their cohort's respective graduating year. A small number of early graduates (not enrolled in the spring term of the typical graduating year) were excluded on this basis. A slightly different convention may be used for basic reporting in which all early graduates are explicitly accounted for; however, this report follows the spring term definition in order to provide coursetaking results for 4-year on-time high school graduates.

not include, for example, students who had repeated a year since they were first sampled or those who accelerated a year during high school. Two of the studies, NELS:88 and ELS:2002, addressed this issue by freshening their samples when most students in the original sample were in 12th grade; that is, they added 12th-grade students to the original sample to represent 12th-graders who would otherwise be excluded.

Neither the HS&B sample of 10th-graders nor the HSLS:09 sample of 9th-graders, however, was freshened at the time of the 12th-grade follow-up data collection. Consequently, 1982 high school graduates among the sample of 1980 high school sophomores in HS&B and 2013 high school graduates among the sample of 2009 9th-graders in HSLS:09 may not represent the population of high school graduates in their respective years. Dalton and colleagues addressed the issue of the freshened samples in NELS:88 and ELS:2002 versus the nonfreshened sample in HS&B in an earlier study of the first three secondary cohorts (Dalton et al. 2007). Using NELS:88 and ELS:2002 questionnaire data, the analysts compared estimates of demographic and other student characteristics derived from the freshened samples with those of the nonfreshened samples and demonstrated that the freshening process had little or negligible impact on estimates of the demographic and other characteristics of 12th-graders in 1992 and 2004, respectively.

For NELS:88, no statistically significant differences were observed between the alternatively defined senior cohorts [freshened vs. nonfreshened] in terms of student characteristics of sex, race/ethnicity, socioeconomic status (SES) quartile, school sector, region, or senior year math test score. For ELS:2002, only one statistically significant difference was observed: a two percentage-point difference in the percentage of seniors who were non-Hispanic White. Sixty-four percent of sophomores who were seniors two years later [nonfreshened sample] were White in 2004, while 62 percent of all seniors [freshened] were White in 2004 (Dalton et al. 2007, p. A-16).

Dalton and colleagues (2007) also examined the impact of freshening on coursetaking estimates, comparing coursetaking of the freshened samples with that of the nonfreshened sample. For both NELS:88 and ELS:2002, estimates were computed for the total number of high school credits earned, the number of mathematics and science credits earned, and the level of mathematics and science courses taken (Dalton et al. 2007). The conclusion was consistent with that reached on demographic characteristics:

For both NELS:88 and ELS:2002 surveys, no statistical differences in estimates were observed in comparisons between the freshened senior cohort and the unfreshened senior cohort. Though there is an apparent tendency for the unfreshened estimates to be slightly larger than the freshened estimates (particularly in the NELS:88 estimates of course credits earned), none of these differences were statistically significant (Dalton et al. 2007, p. A-20).

In other words, after weight adjustments for nonresponse and sample attrition, the sample of 10th-graders in 2002 approximately represented the nation's 12th-graders in 2004 with respect to a set of interview-based variables measuring largely demographic characteristics, even without freshening. The authors also compared the HS&B 1980 sophomore cohort as seniors (in 1982) with the 1980 senior cohort (in 1980) and concluded that the 1980 HS&B sophomore cohort 2 years later is a good approximation of the fully representative senior cohort in 1982.

Excluding Schools That Offer Only Grades 10–12 in Base-Year Sample

HS&B, NELS:88, and ELS:2002 sampled 10th-graders from a sample of high schools, but HSLs:09 first sampled students as 9th-graders from a sample of schools that offered both 9th and 11th grades. The HSLs:09 sample, therefore, excluded schools that served only grades 10–12 and their students. The percentage of graduates who attended schools with no 9th grade when they were 10th-graders ranged from 5 percent in 2004 to 26 percent in 1982 (table 1). With the exception of HSLs:09 sample members who transferred to a 10–12 school, the HSLs:09 sample does not represent these students.

Table 1. Percentage distribution of high school graduates by grade span of school attended as 10th-graders: 1982, 1992, and 2004

| Lowest grade offered in school attended in 10th grade | 1982 | 1992 | 2004 |
|--|--------------|--------------|--------------|
| Total | 100.0 | 100.0 | 100.0 |
| Grade 5 or lower | 8.4 | 4.9 | 5.6 |
| Grades 6–8 | 7.3 | 9.0 | 7.4 |
| Grade 9 | 57.2 | 72.3 | 81.5 |
| Grade 10 | 25.6 | 13.8 | 4.8 |
| Missing | 1.4 ! | † | 0.7 ! |

† Not applicable.

! Interpret data with caution. Estimate is unstable because the standard error is between 30 and 50 percent of the estimate.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; and Education Longitudinal Study of 2002 (ELS:2002), First Follow-up and High School Transcript Study.

By comparing estimates generated from HS&B, NELS, and ELS samples of high school graduates with and without those who attended grade 10–12 schools as 10th-graders, one can examine the effects of these different sampling decisions. Tables 2 through 4 present distributions of the three cohorts with and without graduates who attended 10–12 schools as 10th-graders, referred to as “full sample” and “subsample,” respectively. Within each cohort, some statistically significant differences exist between the two sets of distributions, although the differences are generally small. In HS&B, the subsample contains lower percentages of Black students (9 percent vs. 10 percent) and students who attended public schools (85 percent vs. 88 percent) or urban schools in 10th grade (16 percent vs. 18 percent) than the full sample. On the other hand, relative to the full sample, the subsample includes higher percentages of students who attended religious (12 percent vs. 9 percent) or rural schools in 10th grade (34 percent vs. 32 percent) and whose parents held a master’s or higher degree (6.1 percent vs. 5.6 percent).

In NELS, the subsample contains higher percentages of Black students, students whose parents had no more than a high school education, and students from low- or low-middle-socioeconomic status (SES) families than the full sample. The subsample also includes lower percentages of White students, students whose parents had a bachelor’s or master’s degree, students from high-SES families, and students who attended public schools in 10th grade. The differences for White students, low-SES students, and low-middle-SES students are 1.0, 1.8, and 1.4 percentage points, respectively, and the remaining differences are smaller than 1 percentage point.

In ELS, the subsample contains higher percentages of Hispanic students, students whose parents did not finish high school, and students who attended non-Catholic private schools or rural schools in 10th grade; and lower percentages of White and Asian students and students who attended public schools in 10th grade. The average numbers of mathematics, science, and social study credits earned by students in the subsample are slightly higher than those earned by students in the full sample. All the differences noted are smaller than 1 percentage point or 0.05 credits.

Table 2. Percentage distribution of high school graduates' selected characteristics and average number of credits earned in selected subjects, by sample: 1982

| Selected characteristics | All 1982 high school graduates | All 1982 high school graduates minus those attending 10–12 grade span schools in 10th grade |
|-----------------------------------|--------------------------------------|--|
| Total | 100.0 | 100.0 |
| Sex | | |
| Male | 47.5 | 47.3 |
| Female | 52.5 | 52.7 |
| Race/ethnicity ¹ | | |
| White | 75.7 | 76.7 |
| Black | 9.9 | 8.9 * |
| Hispanic | 10.6 | 10.7 |
| Asian/Pacific Islander | 1.6 | 1.7 |
| American Indian/Alaska Native | 1.2 | 1.3 |
| Other | 0.9 | 0.8 |
| Parents' education | | |
| Did not complete high school | 29.1 | 29.0 |
| High school credential | 4.9 | 4.8 |
| Less than 2 years of trade school | 7.8 | 7.9 |
| 2 or more years of trade school | 8.7 | 8.8 |
| Less than 2 years of college | 9.1 | 9.1 |
| 2 or more years of college | 13.2 | 13.3 |
| Bachelor's degree | 9.3 | 9.4 |
| Master's or higher degree | 5.6 | 6.1 * |
| Don't know | 8.5 | 7.9 |
| Not applicable | 3.8 | 3.7 |
| Family socioeconomic status | | |
| Lowest 25 percent | 18.3 | 18.2 |
| Lower middle 25 percent | 22.1 | 22.3 |
| Upper middle 25 percent | 23.9 | 24.3 |
| Highest 25 percent | 24.7 | 25.4 |
| Missing | 2.9 | 2.7 ! |
| Not applicable | 8.1 | 7.1 * |
| 10th-grade school sector | | |
| Public | 88.2 | 85.0 * |
| Religious | 9.0 | 12.5 * |
| Private, other | 1.6 ! | 2.2 ! |
| Missing | 1.2 ! | ‡ |
| 10th-grade school urbanicity | | |
| Urban | 18.5 | 15.5 * |
| Suburban | 50.0 | 50.3 |
| Rural | 31.5 | 34.2 * |

See notes at end of table.

Table 2. Percentage distribution of high school graduates' selected characteristics and average number of credits earned in selected subjects, by sample: 1982—Continued

| Selected characteristics | All 1982 high school graduates | All 1982 high school graduates minus those attending 10–12 grade span schools in 10th grade |
|---|--------------------------------------|--|
| 10th-grade mathematics proficiency level | | |
| Lowest 25 percent | 14.8 | 14.2 |
| Lower middle 25 percent | 19.5 | 20.0 |
| Upper middle 25 percent | 24.2 | 24.7 |
| Highest 25 percent | 27.6 | 28.2 |
| Missing | 5.8 | 5.8 |
| Not applicable | 8.1 | 7.1 * |
| Educational expectations in 10th grade | | |
| Not complete high school | 0.6 | 0.5 |
| High school credential | 18.5 | 18.8 |
| Less than 2 years of trade school | 5.0 | 5.1 |
| 2 or more years of trade school | 9.9 | 9.9 |
| Less than 2 years of college | 2.6 | 2.5 |
| 2 or more years of college | 12.1 | 11.9 |
| Bachelor's degree | 22.8 | 23.5 |
| Master's degree | 8.6 | 8.5 |
| Other graduate or professional degree | 9.5 | 9.8 |
| Multiple response | 1.1 ! | 1.1 ! |
| Refused | 0.7 | 0.7 |
| Missing | 8.6 | 7.6 |
| Average total number of credits earned ² | | |
| English | 3.91 | 3.92 |
| Math | 2.66 | 2.66 |
| Science | 2.25 | 2.26 |
| Social studies | 3.24 | 3.25 |

! Interpret data with caution. Estimate is unstable because the standard error is between 30 and 50 percent of the estimate.

* Indicates statistically significant difference at $p < .05$ between the two samples.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin.

² Based on courses classified by the Classification of Secondary School Courses.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study.

Table 3. Percentage distribution of high school graduates' selected characteristics and average number of credits earned in selected subjects, by sample: 1992

| Selected characteristics | All 1992 high school graduates | All 1992 high school graduates minus those attending 10–12 grade span schools in 10th grade |
|---------------------------------|--------------------------------------|--|
| Total | 100.0 | 100.0 |
| Sex | | |
| Male | 49.6 | 49.0 |
| Female | 50.4 | 51.0 |
| Race/ethnicity ¹ | | |
| White | 76.2 | 75.2 * |
| Black | 10.6 | 11.4 * |
| Hispanic | 8.5 | 8.8 |
| Asian/Pacific Islander | 3.9 | 3.8 |
| American Indian/Alaska Native | 0.8 | 0.8 |
| Missing | # ! | # ! |
| Parents' education | | |
| Did not complete high school | 6.6 | 6.9 * |
| High school credential | 19.9 | 20.0 * |
| Some college | 41.3 | 42.5 |
| Bachelor's degree | 15.9 | 15.7 * |
| Master's degree | 9.9 | 9.0 * |
| Graduate or professional degree | 5.6 | 5.1 |
| Don't know | 0.6 ! | 0.7 ! |
| Missing | 0.1 ! | ‡ |
| Family socioeconomic status | | |
| Lowest 25 percent | 17.7 | 19.5 * |
| Lower middle 25 percent | 24.1 | 25.5 * |
| Upper middle 25 percent | 25.3 | 26.8 |
| Highest 25 percent | 29.0 | 28.1 * |
| Missing | 3.9 | ‡ |
| 10th-grade school sector | | |
| Public | 88.9 | 88.7 * |
| Catholic | 6.5 | 8.0 |
| Private, other religious | 1.5 | 1.9 |
| Private, not religious | 1.1 | 1.4 |
| Private, not ascertained | ‡ | ‡ |
| Missing | 0.6 ! | # |
| 10th-grade school urbanicity | | |
| Urban | 26.6 | 25.6 |
| Suburban | 41.5 | 39.8 |
| Rural | 31.5 | 34.5 |
| Missing | ‡ | # |

See notes at end of table.

Table 3. Percentage distribution of high school graduates' selected characteristics and average number of credits earned in selected subjects, by sample: 1992—Continued

| Selected characteristics | All 1992 high school graduates | All 1992 high school graduates minus those attending 10–12 grade span schools in 10th grade |
|---|---------------------------------------|--|
| 10th-grade mathematics proficiency level | | |
| Below level 1 | 7.5 | 7.5 |
| Level 1 | 18.4 | 19.5 |
| Level 2 | 11.7 | 12.7 |
| Level 3 | 22.0 | 23.6 |
| Level 4 | 21.0 | 21.3 |
| Missing | 11.8 | 12.5 |
| Test not completed | 7.5 | 2.9 * |
| Educational expectations in 10th grade | | |
| Not complete high school | 0.1 | 0.2 |
| High school credential | 6.2 | 6.6 |
| Less than 2 years of trade school | 3.2 | 3.2 |
| 2 or more years of trade school | 7.2 | 6.9 |
| Less than 2 years of college | 3.0 | 2.8 |
| 2 or more years of college | 14.4 | 14.1 |
| Bachelor's degree | 34.1 | 35.3 |
| Master's degree | 16.5 | 16.1 |
| Other graduate or professional degree | 14.4 | 13.9 |
| Refused | 0.1 ! | 0.1 ! |
| Missing | 0.7 | 0.8 |
| Average total number of credits earned ² | | |
| English | 4.10 | 4.10 |
| Math | 3.23 | 3.21 |
| Science | 2.95 | 2.97 |
| Social studies | 3.47 | 3.46 |

Rounds to zero.

! Interpret data with caution. Estimate is unstable because the standard error is between 30 and 50 percent of the estimate.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate, or the standard error is 50 percent of the estimate or larger.

* Indicates statistically significant difference at $p < .05$ between the two samples.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin.

² Based on courses classified by the Classification of Secondary School Courses.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study.

Table 4. Percentage distribution of high school graduates' selected characteristics and average number of credits earned in selected subjects, by sample: 2004

| Selected characteristics | All 2004 high school graduates | All 2004 high school graduates minus those attending 10–12 grade span schools in 10th grade |
|---|---------------------------------------|--|
| Total | 100.0 | 100.0 |
| Sex | | |
| Male | 48.7 | 48.8 |
| Female | 51.3 | 51.2 |
| Race/ethnicity ¹ | | |
| White | 64.1 | 63.5 * |
| Black | 12.4 | 12.5 |
| Hispanic | 14.2 | 14.5 * |
| Asian/Pacific Islander | 4.5 | 4.5 * |
| American Indian/Alaska Native | 0.8 | 0.8 |
| Two or more races | 4.1 | 4.1 |
| Parents' education | | |
| Did not finish high school | 5.1 | 5.2 * |
| Earned a high school credential | 19.6 | 19.6 |
| Attended 2-year school, no degree | 11.1 | 11.2 |
| Graduated from 2-year school | 11.3 | 11.4 |
| Attended 4-year college, no bachelor's degree | 11.2 | 11.2 |
| Earned a bachelor's degree | 23.5 | 23.4 |
| Completed master's degree or equivalent | 12.4 | 12.2 |
| Completed graduate or professional degree | 5.8 | 5.8 |
| Family socioeconomic status | | |
| Lowest 25 percent | 19.5 | 19.7 |
| Lower middle 25 percent | 22.6 | 22.7 |
| Upper middle 25 percent | 24.3 | 24.3 |
| Highest 25 percent | 26.2 | 26.1 |
| Not applicable | 2.1 | 2.1 |
| Missing | 5.4 | 5.2 |
| 10th-grade school sector | | |
| Public | 91.6 | 91.2 * |
| Catholic | 4.8 | 5.1 |
| Other private | 3.6 | 3.8 * |
| Missing | ± | ± |
| 10th-grade school urbanicity | | |
| Urban | 27.9 | 27.6 |
| Suburban | 52.1 | 51.9 |
| Rural | 20.0 | 20.5 * |

See notes at end of table.

Table 4. Percentage distribution of high school graduates' selected characteristics and average number of credits earned in selected subjects, by sample: 2004—Continued

| Selected characteristics | All 2004 high school graduates | All 2004 high school graduates minus those attending 10–12 grade span schools in 10th grade |
|---|--------------------------------------|--|
| 10th-grade math achievement | | |
| Lowest 25 percent | 18.2 | 18.4 |
| Lower middle 25 percent | 23.9 | 23.7 |
| Upper middle 25 percent | 26.9 | 27.0 |
| Highest 25 percent | 28.9 | 28.8 |
| Not applicable | 2.1 | 2.1 |
| Educational expectations in 10th grade | | |
| Not complete high school | 0.4 | 0.4 |
| High school credential | 4.0 | 4.0 |
| Attend 2-year institution, may not complete | 5.0 | 5.0 |
| Attend college, not complete 4-year degree | 2.9 | 2.9 |
| Bachelor's degree | 35.2 | 35.1 |
| Master's degree | 20.6 | 20.7 |
| Other graduate or professional degree | 16.3 | 16.3 |
| Not applicable | 2.1 | 2.1 |
| Don't know | 8.3 | 8.4 |
| Missing | 5.4 | 5.2 |
| Highest math course taken in high school | | |
| No math | 1.0 | 1.0 |
| Pre-algebra, general, or consumer math | 3.3 | 3.3 |
| Algebra 1 | 5.2 | 5.3 |
| Geometry | 11.5 | 11.5 |
| Algebra 2 | 29.4 | 29.6 |
| Trigonometry, precalculus, or calculus | 46.2 | 46.0 |
| Not applicable | 0.1 | ‡ |
| Nonrespondent | 2.3 | ‡ |
| Missing | 0.9 | ‡ |
| Average total number of credits earned ² | | |
| English | 3.86 | 3.87 |
| Math | 3.39 | 3.41 * |
| Science | 3.07 | 3.08 * |
| Social studies | 3.61 | 3.63 * |

! Interpret data with caution. Estimate is unstable because the standard error is between 30 and 50 percent of the estimate.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate, or the standard error is 50 percent of the estimate or larger.

* Indicates statistically significant difference at $p < .05$ between the two samples.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. The Two or more races category includes respondents having origins in more than one race.

² Based on courses classified by the Classification of Secondary School Courses.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), First Follow-up and High School Transcript Study.

Comparing Estimates Generated with CSSC- and SCED-Coded Coursetaking Variables

To compare estimates generated with CSSC- and SCED-coded transcript data, it was necessary to aggregate the detailed course codes into subject areas. For each of four core academic subjects—English, mathematics, science, and social studies—analysts created variables that aggregated the SCED-coded courses in each of these four subject areas and the CSSC-coded courses that had been crosswalked to those four subject areas.⁶

The similarity of estimates generated using the two coding systems varied by subject area. CSSC- and SCED-coded estimates of the average number of credits high school graduates earned in English varied only among 2004 graduates, both the total and 5 of 16 subgroups, and ranged from one-tenth through three-tenths of a credit (table 5). In all cases, the SCED-coded data indicated that graduates had earned more English credits than the CSSC-coded data did.⁷

CSSC- and SCED-coded estimates of the average number of credits earned in mathematics, science, and social studies/history did not differ for any of the cohorts (tables 6–8).

In order to provide estimates of trends in coursetaking for the four high school cohorts, ranging from the high school class of 1982 to that of 2013, the tables in appendix C present SCED-coded estimates for graduates' coursetaking and GPAs in a number of subject areas.

⁶ The CSSC main categories that were crosswalked to SCED subject areas are discussed on pages 10–18 of this report. Exhibits 4–7 present additional courses, outside the CSSC main categories, that were crosswalked to each of these four core academic subjects.

⁷ Due to rounding, the estimates presented in table 5 make it appear that the CSSC-SCED difference among Hispanic graduates is 0.4 credits. The actual difference is 0.3 credits.

Table 5. Average total English credits earned by high school graduates, by course classification system and selected student and school characteristics: 1982, 1992, 2004, and 2013

| Selected student and school characteristics | 1982 | | 1992 | | 2004 | | 2013 |
|--|------------|------------|------------|------------|------------|--------------|------------|
| | CSSC | SCED | CSSC | SCED | CSSC | SCED | SCED |
| Total | 3.9 | 3.9 | 4.1 | 4.1 | 4.1 | 4.2 * | 4.3 |
| Sex | | | | | | | |
| Male | 3.9 | 3.8 | 4.1 | 4.1 | 4.1 | 4.2 | 4.3 |
| Female | 4.0 | 3.9 | 4.1 | 4.2 | 4.1 | 4.2 * | 4.3 |
| Race/ethnicity ¹ | | | | | | | |
| White | 3.9 | 3.9 | 4.1 | 4.1 | 4.1 | 4.1 | 4.2 |
| Black | 4.1 | 4.0 | 4.2 | 4.2 | 4.2 | 4.3 | 4.7 |
| Hispanic | 4.0 | 3.9 | 4.2 | 4.3 | 4.1 | 4.5 * | 4.4 |
| Asian/Pacific Islander | 3.8 | 4.0 | 4.1 | 4.1 | 4.1 | 4.3 * | 4.4 |
| American Indian/Alaska Native | 3.9 | 3.8 | 4.0 | 4.1 | 4.3 | 4.3 | 4.8 |
| Parents' highest education ² | | | | | | | |
| High school or less | 3.9 | 3.8 | 4.1 | 4.1 | 4.1 | 4.2 * | † |
| Some college | 4.0 | 3.9 | 4.1 | 4.1 | 4.1 | 4.2 | † |
| Bachelor's degree or higher | 4.0 | 3.9 | 4.2 | 4.2 | 4.1 | 4.2 | † |
| Educational expectations in high school senior year ³ | | | | | | | |
| High school or less | 3.8 | 3.8 | 4.1 | 4.1 | 3.9 | 4.1 | 4.4 |
| Some college | 3.9 | 3.8 | 4.0 | 4.0 | 4.0 | 4.2 | 4.3 |
| Bachelor's degree | 4.1 | 4.0 | 4.2 | 4.2 | 4.2 | 4.2 | 4.3 |
| Graduate or professional degree | 4.1 | 4.0 | 4.2 | 4.2 | 4.2 | 4.2 | 4.3 |
| School sector in high school senior year | | | | | | | |
| Public | 3.9 | 3.8 | 4.1 | 4.1 | 4.1 | 4.2 * | 4.3 |
| Private | 4.3 | 4.2 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |

† Not applicable.

* Indicates statistically significant difference at $p < .05$ between CSSC- and SCED-coded estimates.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.

² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.

³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: CSSC = Classification of Secondary School Courses; SCED = School Courses for the Exchange of Data. Courses in the HSL:09 High School Transcript Study were coded only using SCED. All 1982, 1992, 2004, and 2013 high school graduates took English courses. SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table 6. Average total mathematics credits earned by high school graduates, by course-coding system and selected student and school characteristics: 1982, 1992, 2004, and 2013

| Selected student and school characteristics | 1982 | | 1992 | | 2004 | | 2013 |
|--|------------|------------|------------|------------|------------|------------|------------|
| | CSSC | SCED | CSSC | SCED | CSSC | SCED | SCED |
| Total | 2.7 | 2.7 | 3.3 | 3.3 | 3.6 | 3.6 | 3.9 |
| Sex | | | | | | | |
| Male | 2.8 | 2.8 | 3.3 | 3.4 | 3.6 | 3.6 | 3.9 |
| Female | 2.6 | 2.7 | 3.2 | 3.3 | 3.6 | 3.6 | 3.9 |
| Race/ethnicity ¹ | | | | | | | |
| White | 2.7 | 2.8 | 3.3 | 3.3 | 3.6 | 3.6 | 3.9 |
| Black | 2.7 | 2.7 | 3.3 | 3.4 | 3.6 | 3.7 | 4.1 |
| Hispanic | 2.4 | 2.5 | 3.2 | 3.3 | 3.4 | 3.5 | 3.8 |
| Asian/Pacific Islander | 3.3 | 3.3 | 3.5 | 3.5 | 3.9 | 3.8 | 4.1 |
| American Indian/Alaska Native | 2.2 | 2.4 | 2.8 | 3.0 | 3.1 | 3.3 | 3.9 |
| Parents' highest education ² | | | | | | | |
| High school or less | 2.4 | 2.5 | 3.0 | 3.1 | 3.4 | 3.5 | † |
| Some college | 2.9 | 2.9 | 3.3 | 3.3 | 3.5 | 3.5 | † |
| Bachelor's degree or higher | 3.1 | 3.2 | 3.6 | 3.6 | 3.8 | 3.7 | † |
| Educational expectations in high school senior year ³ | | | | | | | |
| High school or less | 2.0 | 2.1 | 2.6 | 2.8 | 3.1 | 3.3 | 3.7 |
| Some college | 2.4 | 2.4 | 2.8 | 2.9 | 3.2 | 3.2 | 3.8 |
| Bachelor's degree | 3.2 | 3.2 | 3.5 | 3.5 | 3.6 | 3.6 | 3.9 |
| Graduate or professional degree | 3.4 | 3.4 | 3.6 | 3.7 | 3.9 | 3.8 | 4.0 |
| School sector in high school senior year | | | | | | | |
| Public | 2.6 | 2.7 | 3.2 | 3.3 | 3.6 | 3.6 | 3.9 |
| Private | 3.3 | 3.4 | 3.8 | 3.8 | 3.8 | 3.8 | 4.0 |

† Not applicable.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.

² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.

³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Almost all 1982, 1992, 2004, and 2013 high school graduates (99.9 to 100 percent) took mathematics courses. Estimates of mathematics credits earned are based on those who took mathematics courses. CSSC = Classification of Secondary School Courses; SCED = School Courses for the Exchange of Data. Courses in the HSL:09 High School Transcript Study were coded only using SCED. No statistically significant differences were found between CSSC- and SCED-coded estimates.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table 7. Average total science credits earned by high school graduates, by course-coding system and selected student and school characteristics: 1982, 1992, 2004, and 2013

| Selected student and school characteristics | 1982 | | 1992 | | 2004 | | 2013 |
|--|------------|------------|------------|------------|------------|------------|------------|
| | CSSC | SCED | CSSC | SCED | CSSC | SCED | SCED |
| Total | 2.3 | 2.3 | 3.0 | 3.0 | 3.3 | 3.3 | 3.6 |
| Sex | | | | | | | |
| Male | 2.4 | 2.4 | 3.0 | 3.0 | 3.3 | 3.3 | 3.5 |
| Female | 2.2 | 2.2 | 3.0 | 3.0 | 3.4 | 3.4 | 3.6 |
| Race/ethnicity ¹ | | | | | | | |
| White | 2.4 | 2.4 | 3.0 | 3.0 | 3.4 | 3.4 | 3.6 |
| Black | 2.1 | 2.1 | 2.9 | 2.9 | 3.3 | 3.3 | 3.6 |
| Hispanic | 1.9 | 1.9 | 2.7 | 2.7 | 3.0 | 3.0 | 3.4 |
| Asian/Pacific Islander | 2.7 | 2.7 | 3.3 | 3.3 | 3.7 | 3.7 | 4.1 |
| American Indian/Alaska Native | 2.1 | 2.2 | 2.6 | 2.6 | 3.1 | 3.1 | 3.3 |
| Parents' highest education ² | | | | | | | |
| High school or less | 2.1 | 2.1 | 2.7 | 2.7 | 3.1 | 3.1 | † |
| Some college | 2.5 | 2.5 | 3.0 | 3.0 | 3.2 | 3.3 | † |
| Bachelor's degree or higher | 2.7 | 2.7 | 3.4 | 3.4 | 3.5 | 3.5 | † |
| Educational expectations in high school senior year ³ | | | | | | | |
| High school or less | 1.7 | 1.7 | 2.4 | 2.4 | 2.7 | 2.8 | 3.1 |
| Some college | 2.0 | 2.0 | 2.5 | 2.5 | 2.9 | 2.9 | 3.3 |
| Bachelor's degree | 2.6 | 2.6 | 3.1 | 3.1 | 3.4 | 3.4 | 3.6 |
| Graduate or professional degree | 3.0 | 3.0 | 3.5 | 3.5 | 3.7 | 3.7 | 3.9 |
| School sector in high school senior year | | | | | | | |
| Public | 2.2 | 2.2 | 3.0 | 3.0 | 3.3 | 3.3 | 3.6 |
| Private | 2.6 | 2.6 | 3.2 | 3.2 | 3.6 | 3.6 | 3.8 |

† Not applicable.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.

² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.

³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Almost all 1982, 1992, 2004, and 2013 high school graduates (98 to 100 percent) took science courses. Estimates of science credits earned are based on those who took science courses. CSSC = Classification of Secondary School Courses. SCED = School Courses for the Exchange of Data. Courses in the HSL:09 High School Transcript Study were coded only using SCED. No statistically significant differences were found between CSSC- and SCED-coded estimates.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table 8. Average total social studies/history credits earned by high school graduates, by course-coding system and selected student and school characteristics: 1982, 1992, 2004, and 2013

| Selected student and school characteristics | 1982 | | 1992 | | 2004 | | 2013 |
|--|------------|------------|------------|------------|------------|------------|------------|
| | CSSC | SCED | CSSC | SCED | CSSC | SCED | SCED |
| Total | 3.2 | 3.2 | 3.5 | 3.5 | 3.8 | 3.8 | 3.9 |
| Sex | | | | | | | |
| Male | 3.2 | 3.2 | 3.5 | 3.5 | 3.8 | 3.8 | 3.9 |
| Female | 3.2 | 3.2 | 3.6 | 3.5 | 3.9 | 3.9 | 4.0 |
| Race/ethnicity ¹ | | | | | | | |
| White | 3.2 | 3.2 | 3.5 | 3.5 | 3.9 | 3.9 | 3.9 |
| Black | 3.2 | 3.1 | 3.6 | 3.6 | 3.7 | 3.7 | 3.9 |
| Hispanic | 3.1 | 3.1 | 3.3 | 3.3 | 3.7 | 3.7 | 3.8 |
| Asian/Pacific Islander | 3.1 | 3.1 | 3.6 | 3.5 | 3.9 | 3.8 | 4.0 |
| American Indian/Alaska Native | 3.2 | 3.2 | 3.7 | 3.6 | 3.8 | 3.9 | 3.7 |
| Parents' highest education ² | | | | | | | |
| High school or less | 3.2 | 3.2 | 3.4 | 3.4 | 3.7 | 3.7 | 3.8 |
| Some college | 3.3 | 3.2 | 3.5 | 3.5 | 3.8 | 3.8 | 3.9 |
| Bachelor's degree or higher | 3.3 | 3.3 | 3.7 | 3.7 | 3.9 | 3.9 | 4.0 |
| Educational expectations in high school senior year ³ | | | | | | | |
| High school or less | 3.1 | 3.1 | 3.3 | 3.3 | 3.4 | 3.5 | 3.7 |
| Some college | 3.2 | 3.2 | 3.4 | 3.4 | 3.6 | 3.6 | 3.7 |
| Bachelor's degree | 3.3 | 3.3 | 3.6 | 3.6 | 3.8 | 3.8 | 3.9 |
| Graduate or professional degree | 3.3 | 3.3 | 3.6 | 3.6 | 4.0 | 4.0 | 4.1 |
| School sector in high school senior year | | | | | | | |
| Public | 3.2 | 3.1 | 3.5 | 3.5 | 3.8 | 3.8 | 3.9 |
| Private | 3.7 | 3.7 | 3.8 | 3.8 | 4.0 | 4.0 | 4.0 |

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.

² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.

³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Almost all 1982, 1992, 2004, and 2013 high school graduates (99.9 to 100 percent) took social studies/history courses. Estimates of social studies/history credits earned are based on those who took social studies/history courses. CSSC = Classification of Secondary School Courses. SCED = School Courses for the Exchange of Data. Courses in the HSLS:09 High School Transcript Study were coded only using SCED. No statistically significant differences were found between CSSC- and SCED-coded estimates.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSLS:09), Base-year, 2013 Update, and High School Transcript Study.

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Appendix A: CSSC/SCED Crosswalk

Table A-1. CSSC/SCED Crosswalk

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|--|------------------|--------------|-----------------|
| 23.0106 | English 1, Below Grade Level; English 9, Basic; Communication Skills, Non College | English/Language Arts I (9th grade) | 01001 | B | 1 |
| 23.0107 | English 1; English 9, Average | English/Language Arts I (9th grade) | 01001 | G | 1 |
| 23.0108 | English 1, Honors; English 9, Honors | English/Language Arts I (9th grade) | 01001 | H | 1 |
| 23.0161 | English Skills 1 for Visually Impaired | English/Language Arts I (9th grade) | 01001 | G | 1 |
| 23.0165 | Pre-IB English 1 (grade 9) | English/Language Arts I (9th grade) | 01001 | G | 1 |
| 23.0109 | English 2, Below Grade Level; English 10, Basic | English/Language Arts II (10th grade) | 01002 | B | 1 |
| 23.0110 | English 2; English 10, Average | English/Language Arts II (10th grade) | 01002 | G | 1 |
| 23.0111 | English 2, Honors; English 10, Honors | English/Language Arts II (10th grade) | 01002 | H | 1 |
| 23.0162 | English Skills 2 for Visually Impaired | English/Language Arts II (10th grade) | 01002 | G | 2 |
| 23.0166 | Pre-IB English 2 (grade 10) | English/Language Arts II (10th grade) | 01002 | G | 1 |
| 23.0112 | English 3, Below Grade Level; English 11, Basic | English/Language Arts III (11th grade) | 01003 | B | 1 |
| 23.0113 | English 3; English 11, Average | English/Language Arts III (11th grade) | 01003 | G | 1 |
| 23.0114 | English 3, Honors; English 11, Honors | English/Language Arts III (11th grade) | 01003 | H | 1 |
| 23.0163 | English Skills 3 for Visually Impaired | English/Language Arts III (11th grade) | 01003 | G | 3 |
| 23.0167 | Pre-IB English 3 (grade 11) | English/Language Arts III (11th grade) | 01003 | G | 1 |
| 23.0115 | English 4, Below Grade Level; English 12, Basic | English/Language Arts IV (12th grade) | 01004 | B | 1 |
| 23.0116 | English 4; English 12, Average | English/Language Arts IV (12th grade) | 01004 | G | 1 |
| 23.0117 | English 4, Honors; English 12, Honors | English/Language Arts IV (12th grade) | 01004 | H | 1 |
| 23.0164 | English Skills 4 for Visually Impaired | English/Language Arts IV (12th grade) | 01004 | G | 4 |
| 23.0170 | AP English Language and Composition | AP English Language and Composition | 01005 | E | 1 |
| 23.0171 | AP English Literature and Composition | AP English Literature and Composition | 01006 | E | 1 |
| 23.0168 | IB English 4 (grade 11 or 12) | IB Language A (English) | 01007 | E | 1 |
| 23.0169 | IB English 5 (grade 12) | IB Language A (English) | 01007 | E | 2 |
| 16.0121 | English as a Second Language 1; TESOL, Beginning | English as a Second Language | 01008 | G | 1 |
| 16.0122 | English as a Second Language 2; TESOL, Intermediate | English as a Second Language | 01008 | G | 2 |
| 16.0123 | English as a Second Language 3; TESOL, | English as a Second Language | 01008 | G | 3 |
| 16.0124 | English as a Second Language, Skills Lab | English as a Second Language | 01008 | B | 1 |
| 16.0125 | Transitional English | English as a Second Language | 01008 | B | 1 |
| 52.0103 | English/Language Arts EMH | Language Arts Laboratory | 01009 | B | 1 |
| 52.0203 | English/Language Arts EH | Language Arts Laboratory | 01009 | B | 1 |
| 52.0301 | English/Language Arts Deaf | Language Arts Laboratory | 01009 | B | 1 |
| 54.2011 | Functional Language Arts 1 | Language Arts Laboratory | 01009 | B | 1 |
| 54.2019 | Functional Language Arts 1, not for credit | Language Arts Laboratory | 01009 | B | 1 |
| 54.2021 | Functional Language Arts 2 | Language Arts Laboratory | 01009 | B | 2 |
| 54.2029 | Functional Language Arts 2, not for credit | Language Arts Laboratory | 01009 | B | 2 |
| 54.2031 | Functional Language Arts 3 | Language Arts Laboratory | 01009 | B | 3 |
| 54.2039 | Functional Language Arts 3, not for credit | Language Arts Laboratory | 01009 | B | 3 |
| 54.2041 | Functional Language Arts 4 | Language Arts Laboratory | 01009 | B | 4 |
| 54.2049 | Functional Language Arts 4, not for credit | Language Arts Laboratory | 01009 | B | 4 |
| 56.2300 | Special Education Language Arts | Language Arts Laboratory | 01009 | B | 1 |
| 56.2322 | Resource Room English 2 (Special Education) | Language Arts Laboratory | 01009 | B | 2 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED | | |
|-----------|--|-----------------------------|-------|-------|----------|
| | | | Code | Rigor | Sequence |
| 56.2329 | Resource Writing, not for credit | Language Arts Laboratory | 01009 | B | 1 |
| 23.0101 | English 7 - Middle School Level | Language Arts (grade 7) | 01035 | G | 1 |
| 23.0102 | English 7, Honors; English 7, Above Grade Level - Middle School Level | Language Arts (grade 7) | 01035 | H | 1 |
| 23.0103 | English 8, Below Grade Level - Middle School Level | Language Arts (grade 8) | 01036 | B | 1 |
| 23.0104 | English 8; English 8, Average - Middle School Level | Language Arts (grade 8) | 01036 | G | 1 |
| 23.0105 | English 8, Honors; English 8, Above Grade Level - Middle School Level | Language Arts (grade 8) | 01036 | H | 1 |
| 23.0152 | English, Real Life Problem Solving | Literature | 01053 | G | 1 |
| 23.0700 | Literature, American, Other | American Literature | 01054 | G | 1 |
| 23.0711 | American Literature; Selected American Authors; American Experience; Portrait of an American; American Writers | American Literature | 01054 | G | 1 |
| 23.0181 | Integrated English/History 1 (English) | American Literature/History | 01055 | G | 1 |
| 23.0182 | Integrated English/History 2 (English) | American Literature/History | 01055 | G | 2 |
| 23.0183 | Integrated English/History 3 (English) | American Literature/History | 01055 | G | 3 |
| 45.0881 | Integrated English/History 1 (History) | American Literature/History | 01055 | G | 1 |
| 45.0882 | Integrated English/History 2 (History) | American Literature/History | 01055 | G | 2 |
| 45.0883 | Integrated English/History 3 (History) | American Literature/History | 01055 | G | 3 |
| 23.0800 | Literature, English, Other | British Literature | 01056 | G | 1 |
| 23.0811 | British Literature Survey; Major British Writers; British Literature, Conventions and Experiments; Background of Modern British Literature | British Literature | 01056 | G | 1 |
| 23.0821 | Shakespeare; Ages of Man; Political Intrigue and Murder | British Literature | 01056 | G | 1 |
| 23.0831 | Modern British Writer | British Literature | 01056 | G | 1 |
| 23.0841 | Victorian Literature | British Literature | 01056 | G | 1 |
| 23.0851 | Satire, Modern British | British Literature | 01056 | G | 1 |
| 23.0861 | Arthurian Legend; Once and Future King | British Literature | 01056 | G | 1 |
| 23.0871 | Medieval Literature | British Literature | 01056 | G | 1 |
| 23.0118 | World Literature; Modern Classical Literature | World Literature | 01058 | G | 1 |
| 23.0311 | Comparative Literature; Comparisons in Literature | World Literature | 01058 | G | 1 |
| 23.0125 | Bible as Literature; Literature of the Bible | Biblical Literature | 01059 | G | 1 |
| 23.0151 | Seminar on an Author | Literature of an Author | 01060 | G | 1 |
| 23.0127 | Drama, Introduction | Literature of a Genre | 01061 | G | 1 |
| 23.0128 | World Drama | Literature of a Genre | 01061 | G | 1 |
| 23.0129 | Plays, Modern Survey | Literature of a Genre | 01061 | G | 1 |
| 23.0130 | Novels | Literature of a Genre | 01061 | G | 1 |
| 23.0131 | Short Story; Short Narrative; Short Fiction | Literature of a Genre | 01061 | G | 1 |
| 23.0132 | Mysteries | Literature of a Genre | 01061 | G | 1 |
| 23.0133 | Poetry | Literature of a Genre | 01061 | G | 1 |
| 23.0134 | Rock Poetry | Literature of a Genre | 01061 | G | 1 |
| 23.0135 | Humor; Let's Laugh; American Humor | Literature of a Genre | 01061 | G | 1 |
| 23.0136 | Biography; Autobiography; Famous Personalities | Literature of a Genre | 01061 | G | 1 |
| 23.0137 | Non Fiction | Literature of a Genre | 01061 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|--------------------------|------------------|--------------|-----------------|
| 23.0138 | Science Fiction; Literature of the Mysterious; Fiction and Fantasy | Literature of a Genre | 01061 | G | 1 |
| 23.0155 | Children's Literature & Fantasy | Literature of a Genre | 01061 | G | 1 |
| 23.0741 | Folklore, American | Literature of a Genre | 01061 | G | 1 |
| 23.0119 | Renaissance Literature; Man in a New World | Literature of a Period | 01062 | G | 1 |
| 23.0120 | Romanticism; Man and Nature | Literature of a Period | 01062 | G | 1 |
| 23.0121 | Realism | Literature of a Period | 01062 | G | 1 |
| 23.0122 | Literature, Contemporary; Contemporary Fiction; 20th Century Literature; Big Books of the 20th Century | Literature of a Period | 01062 | G | 1 |
| 23.0200 | Classics, Other | Literature of a Period | 01062 | G | 1 |
| 23.0211 | Mythological Literature, Greek and Roman; Classical Mythology | Literature of a Period | 01062 | G | 1 |
| 23.0761 | State Writers; Regional Writers | Literature of a Place | 01063 | G | 1 |
| 23.0771 | Western Literature; Frontier Literature | Literature of a Place | 01063 | G | 1 |
| 23.0123 | Irish Literature | Literature of a People | 01064 | G | 1 |
| 23.0124 | Russian Literature | Literature of a People | 01064 | G | 1 |
| 23.0141 | Ethnic Literature; Minority Literature | Literature of a People | 01064 | G | 1 |
| 23.0142 | Women in Literature | Literature of a People | 01064 | G | 1 |
| 23.0150 | Nobel Prize Authors | Literature of a People | 01064 | G | 1 |
| 23.0321 | Latin American Authors/Literature | Literature of a People | 01064 | G | 1 |
| 23.0721 | Black Literature; Literature of Black America; Afro American Literature | Literature of a People | 01064 | G | 1 |
| 23.0751 | Indian Literature; American Indian Literature | Literature of a People | 01064 | G | 1 |
| 23.0781 | Mexican American Literature | Literature of a People | 01064 | G | 1 |
| 30.0721 | Women's Studies in Literature | Literature of a People | 01064 | G | 1 |
| 23.0126 | Mythology and Fable; Mythology and Folklore; Heroes, Gods and Monsters | Literature of a Theme | 01065 | G | 1 |
| 23.0139 | Themes in Literature; War and Peace; Modern Journalistic Literature | Literature of a Theme | 01065 | G | 1 |
| 23.0140 | Literature of Human Values | Literature of a Theme | 01065 | G | 1 |
| 23.0143 | Sports through Literature | Literature of a Theme | 01065 | G | 1 |
| 23.0144 | Occult Literature; Supernatural Literature | Literature of a Theme | 01065 | G | 1 |
| 23.0145 | Protest Literature | Literature of a Theme | 01065 | G | 1 |
| 23.0146 | Youth and Literature; Adolescent Fiction; Books and the Teenage Reader | Literature of a Theme | 01065 | G | 1 |
| 23.0147 | Heroes | Literature of a Theme | 01065 | G | 1 |
| 23.0148 | Utopias | Literature of a Theme | 01065 | G | 1 |
| 23.0149 | Death | Literature of a Theme | 01065 | G | 1 |
| 23.0731 | American Dream in Literature; American Heroes; American Dilemma; American Cultural Patterns; American Philosophy In Literature | Literature of a Theme | 01065 | G | 1 |
| 38.0211 | Religion and Literature | Literature of a Theme | 01065 | G | 1 |
| 23.1215 | Speed Reading | Strategic Reading | 01066 | G | 1 |
| 23.1216 | Advanced Reading and Study Skills; Reading and Conference; Literature, Individualized; Best Sellers; Reading for Pleasure | Strategic Reading | 01066 | G | 1 |
| 32.0111 | Speed Reading (Changed to 23.1215) | Strategic Reading | 01066 | G | 1 |
| 23.1217 | Reading Improvement | Assisted Reading | 01067 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|-------------------------------|------------------|--------------|-----------------|
| 23.1211 | Reading Development 1; Reading Improvement; Remedial Reading; Reading Skills; Chapter 1 Reading; Reading Fundamentals; Corrective Reading | Corrective Reading | 01068 | G | 1 |
| 23.1212 | Reading Development 2 | Corrective Reading | 01068 | G | 2 |
| 23.1213 | Reading Development 3 | Corrective Reading | 01068 | G | 3 |
| 23.1214 | Reading Development 4 | Corrective Reading | 01068 | G | 4 |
| 32.0109 | Reading Development 1 (Changed to 23.1211) | Corrective Reading | 01068 | G | 1 |
| 32.0110 | Reading Development 2 (Changed to 23.1212) | Corrective Reading | 01068 | G | 2 |
| 54.2101 | Functional Reading | Corrective Reading | 01068 | B | 1 |
| 54.2109 | Functional Reading, not for credit | Corrective Reading | 01068 | B | 1 |
| 56.2310 | Special Education Reading | Corrective Reading | 01068 | B | 1 |
| 56.2311 | Resource Reading | Corrective Reading | 01068 | B | 1 |
| 56.2319 | Resource Reading, not taken for credit | Corrective Reading | 01068 | B | 1 |
| 23.0153 | Reading, Independent Study | Literature—Independent Study | 01097 | G | 1 |
| 23.0300 | Comparative Literature, Other | Literature—Other | 01099 | G | 1 |
| 23.0403 | Writing About Literature | Literature—Other | 01099 | G | 1 |
| 23.0401 | Composition, Expository; Writing Practice; Contemporary Composition; Expository Writing | Composition | 01103 | G | 1 |
| 23.0500 | Creative Writing, Other | Creative Writing | 01104 | G | 1 |
| 23.0511 | Creative Writing 10; Creative Writing 1 | Creative Writing | 01104 | G | 1 |
| 23.0512 | Creative Writing 11; Creative Writing 2, Workshop | Creative Writing | 01104 | G | 2 |
| 23.0513 | Creative Writing 12 | Creative Writing | 01104 | G | 3 |
| 23.0154 | Research Technique; Writing and Research; Research Process; College Writing; Research Paper; Research and Writing the Term Paper | Research/Technical Writing | 01105 | G | 1 |
| 23.1100 | Technical and Business Writing, Other | Research/Technical Writing | 01105 | G | 1 |
| 23.1111 | Technical English | Research/Technical Writing | 01105 | G | 1 |
| 56.2320 | Special Education Writing - Middle School Level | Writing | 01139 | B | 1 |
| 23.0402 | Writing Laboratory; Writing Skills Workshop; Composition, Advanced Computer Assisted Writing Instruction | Composition—Independent Study | 01147 | G | 1 |
| 23.0521 | Creative Writing, Independent Study | Composition—Independent Study | 01147 | G | 1 |
| 23.0400 | Composition, Other | Composition—Other | 01149 | G | 1 |
| 23.0404 | Vocabulary; Fun With Words; College Vocabulary Skill Building; Word Power | Composition—Other | 01149 | G | 1 |
| 23.0405 | Spelling | Composition—Other | 01149 | G | 1 |
| 23.0531 | Journal Writing | Composition—Other | 01149 | G | 1 |
| 23.1011 | Public Speaking; Communications, Basic; Speech Arts; Oral Composition; Oral Communications; Forensics | Public Speaking | 01151 | G | 1 |
| 23.1021 | Speech 1; Oral Interpretation; Speech, General; They Used to Call It Rhetoric | Forensic Speech—Inclusive | 01152 | G | 1 |
| 23.1022 | Speech 2; Speech Tournament; Discussion and Debate; Debate and Argumentation (Changed to 23.1024 and 23.1025) | Forensic Speech—Inclusive | 01152 | G | 2 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|---|------------------|--------------|-----------------|
| 23.1023 | Speech 3 (Changed to 23.1024) | Forensic Speech—Inclusive | 01152 | G | 2 |
| 23.1024 | Advanced Speech | Forensic Speech—Inclusive | 01152 | E | 2 |
| 23.1025 | Debate | Forensic Speech—Debate | 01153 | G | 1 |
| 23.1031 | Debate Practicum Contract | Forensic Speech—Debate | 01153 | G | 1 |
| 23.0414 | Interpersonal Communication | Communications | 01155 | G | 1 |
| 23.1311 | Functional English 1; Correlated Language Arts 1 | Applied English and Communications | 01156 | G | 1 |
| 23.1312 | Functional English 2; Correlated Language Arts 2 | Applied English and Communications | 01156 | G | 2 |
| 23.1313 | Functional English 3; Correlated Language Arts 3 | Applied English and Communications | 01156 | G | 3 |
| 23.1314 | Functional English 4; Correlated Language Arts 4; Minimum Standards Review; Personal and Career Communications | Applied English and Communications | 01156 | G | 4 |
| 32.0118 | English, Functional (Changed to 23.1311-23.1314) | Applied English and Communications | 01156 | B | 1 |
| 54.2051 | Functional Vocational English | Applied English and Communications | 01156 | B | 1 |
| 54.2059 | Functional Vocational English, not for credit | Applied English and Communications | 01156 | B | 1 |
| 54.2201 | Functional Oral Communication | Applied English and Communications | 01156 | B | 1 |
| 54.2209 | Functional Oral Communication, not for credit | Applied English and Communications | 01156 | B | 1 |
| 54.2301 | Functional Writing | Applied English and Communications | 01156 | B | 1 |
| 54.2309 | Functional Writing, not for credit | Applied English and Communications | 01156 | B | 1 |
| 23.0415 | Word Study - Remedial | Speech—Other | 01199 | G | 1 |
| 23.1000 | Speech, Debate, and Forensics, Other | Speech—Other | 01199 | G | 1 |
| 32.0115 | Word Study, Remedial (Changed to 23.0415) | Speech—Other | 01199 | G | 1 |
| 23.0406 | Grammar 7; Language Structure 7 - Middle School Level | English Morphology and Grammar | 01201 | G | 1 |
| 23.0407 | Grammar 8; Language Structure 8 - Middle School Level | English Morphology and Grammar | 01201 | G | 1 |
| 23.0408 | Grammar 9; Language Structure 9 | English Morphology and Grammar | 01201 | G | 1 |
| 23.0409 | Grammar 10; Language Structure 10; Grammar Review 10, College Preparation | English Morphology and Grammar | 01201 | G | 2 |
| 23.0410 | Grammar 11; Language Structure 11; Grammar Review 11, College Preparation | English Morphology and Grammar | 01201 | G | 3 |
| 23.0411 | Grammar 12; Language Structure 12; Grammar Review 12, College Preparation; English SAT Preparation | English Morphology and Grammar | 01201 | G | 4 |
| 23.0412 | Etymology; Wordsearch; Word Clues | History of the English Language | 01202 | G | 1 |
| 23.0611 | Linguistics; Language and Thought; Semantics and History of Language | History of the English Language | 01202 | G | 1 |
| 23.1401 | English, Independent Study | English Language and Literature—Independent Study | 01997 | G | 1 |
| 23.0100 | English, Other General | English Language and Literature—Other | 01999 | G | 1 |
| 23.0156 | Vocational English | English Language and Literature—Other | 01999 | G | 1 |
| 23.0413 | Handwriting; Penmanship | English Language and Literature—Other | 01999 | G | 1 |
| 23.0600 | Linguistics (includes Phonetics, Semantics, and Philology), Other | English Language and Literature—Other | 01999 | G | 1 |
| 23.0900 | Rhetoric, Other | English Language and Literature—Other | 01999 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|---------------------------------------|------------------|--------------|-----------------|
| 23.1315 | Transitional English | English Language and Literature—Other | 01999 | G | 1 |
| 23.9900 | Letters/English, Other | English Language and Literature—Other | 01999 | G | 1 |
| 32.0113 | Language, Developmental (Changed to 16.0125 for non-English speakers and 23.1311-23.1314 for English speakers) | English Language and Literature—Other | 01999 | G | 1 |
| 27.0105 | Mathematics, Basic (Changed to 27.0601-27.0604) | General Math | 02002 | B | 1 |
| 27.0106 | Mathematics 1, General; Mathematics 1, Applied; Computational Skills 1 | General Math | 02002 | G | 1 |
| 27.0107 | Mathematics 2, General; Mathematics 2, Applied; Computational Skills 2 | General Math | 02002 | G | 2 |
| 27.0601 | Basic Math 1; Math Fundamentals; Developmental Math; Arithmetic Review; Mathematics, Remedial; Mathematics, Essentials; Mathematics Lab; Competency Mathematics; Mathematics, Basic | General Math | 02002 | B | 1 |
| 27.0602 | Basic Math 2; Remedial Math 2; Math Fundamentals 2; Developmental Math 2; Remedial Math 2; Remedial Math 10; Mathematics, Basic 2 | General Math | 02002 | B | 2 |
| 27.0603 | Basic Math 3; Remedial Math 3; Math Fundamentals 3; Developmental Math 3; Remedial Math 3; Remedial Math 11 or 12; Mathematics, Basic 3 | General Math | 02002 | B | 3 |
| 27.0604 | Basic Math 4; Mathematics, Basic 4; Remedial Math 4 | General Math | 02002 | B | 4 |
| 52.0102 | Mathematics EMH | Particular Topics in Foundation Math | 02003 | G | 1 |
| 52.0204 | Mathematics EH | Particular Topics in Foundation Math | 02003 | G | 1 |
| 52.0302 | Mathematics Deaf | Particular Topics in Foundation Math | 02003 | G | 1 |
| 54.1001 | General Math Skills | Particular Topics in Foundation Math | 02003 | G | 1 |
| 54.1009 | Functional Math Skills, not for credit | Particular Topics in Foundation Math | 02003 | G | 1 |
| 54.1201 | Functional Vocational Math | Particular Topics in Foundation Math | 02003 | G | 1 |
| 54.1209 | Functional Vocational Math, not for credit | Particular Topics in Foundation Math | 02003 | G | 1 |
| 27.0101 | Mathematics 7 - Middle School Level | Mathematics (grade 7) | 02037 | G | 1 |
| 27.0102 | Mathematics 7, Accelerated - Middle School Level | Mathematics (grade 7) | 02037 | E | 1 |
| 27.0103 | Mathematics 8 - Middle School Level | Mathematics (grade 8) | 02038 | G | 1 |
| 27.0104 | Mathematics 8, Accelerated - Middle School Level | Mathematics (grade 8) | 02038 | E | 1 |
| 56.2700 | Special Education Math | Foundation Math—Other | 02049 | B | 1 |
| 56.2701 | Resource General Math | Foundation Math—Other | 02049 | B | 1 |
| 56.2709 | Resource General Math, not for credit | Foundation Math—Other | 02049 | B | 1 |
| 56.2711 | Resource Vocational Math | Foundation Math—Other | 02049 | B | 1 |
| 56.2719 | Resource Vocational Math, not for credit | Foundation Math—Other | 02049 | B | 1 |
| 27.0401 | Pre-Algebra; Algebra Skills; Algebra, Principles; Algebra, Introduction; Algebra, Basic; Algebra, Practical | Pre-Algebra | 02051 | G | 1 |
| 27.0404 | Algebra 1; Algebra, Elementary | Algebra I | 02052 | G | 1 |
| 27.0402 | Algebra 1, Part 1 | Algebra I—Part 1 | 02053 | G | 1 |
| 27.0403 | Algebra 1, Part 2 | Algebra I—Part 2 | 02054 | G | 1 |
| 27.0439 | Algebra Review | Transition Algebra | 02055 | G | 1 |
| 27.0405 | Algebra 2; Algebra, Intermediate | Algebra II | 02056 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|---|------------------|--------------|-----------------|
| 27.0410 | Algebra 3; Algebra, Advanced; Mathematics, Advanced; Algebra, College; Algebraic Systems | Algebra III | 02057 | G | 1 |
| 27.0413 | Trigonometry and Solid Geometry | Integrated Math—multi-year equivalent | 02061 | G | 1 |
| 27.0415 | Algebra and Analytic Geometry | Integrated Math—multi-year equivalent | 02061 | G | 1 |
| 27.0418 | Calculus and Analytic Geometry | Integrated Math—multi-year equivalent | 02061 | G | 1 |
| 27.0421 | Mathematics 1, Unified | Integrated Math—multi-year equivalent | 02061 | G | 1 |
| 27.0422 | Mathematics 2, Unified | Integrated Math—multi-year equivalent | 02061 | G | 2 |
| 27.0423 | Mathematics 3, Unified | Integrated Math—multi-year equivalent | 02061 | G | 3 |
| 27.0427 | Unified Math 1, Part 1 | Integrated Math—multi-year equivalent | 02061 | G | 1 |
| 27.0428 | Unified Math 1, Part 2 | Integrated Math—multi-year equivalent | 02061 | G | 2 |
| 27.0409 | Geometry, Informal; Geometry, Physical; Geometry, Intuitive; Geometry, Practical; Geometric Design; Geometry, Occupational | Informal Geometry | 02071 | G | 1 |
| 27.0408 | Geometry | Geometry | 02072 | G | 1 |
| 27.0425 | Geometry, Part 1 | Geometry | 02072 | G | 1 |
| 27.0426 | Geometry, Part 2 | Geometry | 02072 | G | 2 |
| 27.0429 | Pre-IB Geometry | Geometry | 02072 | G | 1 |
| 27.0412 | Analytic Geometry; Geometry, Advanced | Analytic Geometry | 02073 | G | 1 |
| 27.0438 | Algebra and Geometry | Principles of Algebra and Geometry | 02074 | G | 1 |
| 27.0406 | Geometry, Plane | Particular Topics in Geometry | 02075 | G | 1 |
| 27.0407 | Geometry, Solid | Particular Topics in Geometry | 02075 | G | 1 |
| 27.0436 | Discrete Math | Discrete Mathematics | 02102 | G | 1 |
| 27.0411 | Trigonometry | Trigonometry | 02103 | G | 1 |
| 27.0414 | Algebra and Trigonometry | Trigonometry/Algebra | 02106 | G | 1 |
| 27.0430 | Pre-IB Algebra 2/Trigonometry | Trigonometry/Algebra | 02106 | G | 1 |
| 27.0416 | Analysis, Introductory; Mathematical Analysis; Pre-Calculus; Elementary Functions; Limits and Functions; Analysis, Elementary | Pre-Calculus | 02110 | G | 1 |
| 27.0417 | Linear Algebra; Matrix Algebra; Algebra, Honors | Linear Algebra | 02111 | G | 1 |
| 27.0419 | Calculus | Calculus | 02121 | G | 1 |
| 27.0420 | AP Calculus AB; Advanced Placement Calculus AB; Calculus, Advanced Placement | AP Calculus AB | 02124 | E | 1 |
| 27.0435 | AP Calculus BC | AP Calculus BC | 02125 | E | 1 |
| 27.0443 | Advanced Functions and Modeling | Particular Topics in Calculus | 02126 | G | 1 |
| 27.0432 | IB Math Studies 1; IB Mathematical Studies Standard | IB Mathematical Studies | 02131 | E | 1 |
| 27.0433 | IB Math Studies 2; IB Mathematical Studies Higher | IB Mathematical Studies | 02131 | E | 1 |
| 27.0441 | IB Mathematics Higher | IB Mathematics | 02132 | E | 1 |
| 27.0434 | IB Math Studies/Calculus; IB Calculus | IB Further Mathematics—SL | 02134 | E | 1 |
| 27.0440 | IB Further Mathematics Standard | IB Further Mathematics—SL | 02134 | E | 1 |
| 27.0437 | Finite Math | Particular Topics in Analytic Mathematics | 02141 | G | 1 |
| 27.0300 | Applied Mathematics, Other | General Applied Math | 02151 | G | 1 |
| 01.0151 | Agricultural Mathematics | Occupationally Applied Math | 02152 | G | 1 |
| 17.0651 | Nurse's Mathematics | Occupationally Applied Math | 02152 | G | 1 |
| 27.0110 | Mathematics, Vocational; Shop Mathematics; Mathematics for Trade and Mathematics for Employment | Occupationally Applied Math | 02152 | G | 1 |
| 32.0108 | Mathematics, Vocational (Changed to 27.0110) | Occupationally Applied Math | 02152 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|----------------------------------|------------------|--------------|-----------------|
| 27.0108 | Science Mathematics | Technical Math | 02153 | G | 1 |
| 27.0111 | Technical Mathematics | Technical Math | 02153 | G | 1 |
| 07.0171 | Business Mathematics 1; Business Arithmetic; Career Computation 1 | Business Math | 02154 | G | 1 |
| 07.0172 | Business Mathematics 2; Business Arithmetic 2; Career Computation 2 | Business Math | 02154 | G | 2 |
| 07.0221 | Financial Mathematics | Business Math | 02154 | G | 1 |
| 11.0121 | Computer Mathematics 1; Computer Problem Solving; Mathematics and Computing | Computer Math with Algebra | 02156 | G | 1 |
| 11.0122 | Computer Mathematics 2 | Computer Math with Algebra | 02156 | G | 2 |
| 27.0114 | Consumer Mathematics; Mathematics Survival Skills | Consumer Math | 02157 | G | 1 |
| 54.1101 | Functional Consumer Math | Consumer Math | 02157 | B | 1 |
| 54.1109 | Functional Consumer Math, not for credit | Consumer Math | 02157 | B | 1 |
| 56.2721 | Resource Consumer Math | Consumer Math | 02157 | B | 1 |
| 56.2729 | Resource Consumer Math, not for credit | Consumer Math | 02157 | B | 1 |
| 27.0511 | Statistics | Probability and Statistics | 02201 | G | 1 |
| 27.0521 | Probability | Probability and Statistics | 02201 | G | 1 |
| 27.0531 | Probability and Statistics | Probability and Statistics | 02201 | G | 1 |
| 27.0532 | AP Statistics | AP Statistics | 02203 | E | 1 |
| 27.0442 | Functions, Statistics, and Trigonometry | Probability and Statistics—Other | 02209 | G | 1 |
| 27.0500 | Statistics, Other | Probability and Statistics—Other | 02209 | G | 1 |
| 27.0109 | Mathematics in the Arts; Mathematics as a Liberal Art; History of Mathematics | History of Math | 02991 | G | 1 |
| 27.0112 | Mathematics Review; SAT Mathematics; Senior Math | Mathematics—Test Preparation | 02993 | G | 1 |
| 27.0113 | Mathematics Tutoring | Mathematics—Aide | 02995 | G | 1 |
| 27.0424 | Mathematics, Independent Study; Mathematics Strategies; Mathematics Topics; Mathematics, Competitive; Mathematics, Enrichment; Mathematics Seminar | Mathematics—Independent Study | 02997 | G | 1 |
| 27.0100 | Mathematics, Other General | Mathematics—Other | 02999 | G | 1 |
| 27.0200 | Actuarial Sciences, Other | Mathematics—Other | 02999 | G | 1 |
| 27.0400 | Pure Mathematics, Other | Mathematics—Other | 02999 | G | 1 |
| 27.0431 | IB Math Methods 1 | Mathematics—Other | 02999 | G | 1 |
| 27.9900 | Mathematics, Other | Mathematics—Other | 02999 | G | 1 |
| 40.0611 | Earth Science; Earth Science 9; Earth Science, General | Earth Science | 03001 | G | 1 |
| 40.0621 | Earth Science, College Preparatory | Earth Science | 03001 | G | 1 |
| 40.0631 | Geology | Geology | 03002 | G | 1 |
| 30.0621 | Environmental Science; Environmental Issues; Human Communities; People Technology and the Environment | Environmental Science | 03003 | G | 1 |
| 40.0200 | Astronomy, Other | Astronomy | 03004 | G | 1 |
| 40.0211 | Astronomy | Astronomy | 03004 | G | 1 |
| 26.0621 | Marine Biology; Marine Studies; Biology, Aquatic | Marine Science | 03005 | G | 1 |
| 26.0622 | Marine Biology, Advanced; Marine Biology 2 | Marine Science | 03005 | G | 2 |
| 40.0711 | Oceanography | Marine Science | 03005 | G | 1 |
| 40.0400 | Atmospheric Sciences and Meteorology, Other | Meteorology | 03006 | G | 1 |
| 40.0411 | Meteorology | Meteorology | 03006 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|------------------------------|------------------|--------------|-----------------|
| 45.0707 | Physical Geography | Physical Geography | 03007 | G | 1 |
| 40.0911 | Rocketry and Space Science; Space Science | Earth and Space Science | 03008 | G | 1 |
| 30.0631 | Energy and Environment | Energy and the Environment | 03012 | G | 1 |
| 40.0600 | Geological Sciences, Other | Earth Science—other | 03049 | G | 1 |
| 40.0632 | Geology - Field Studies | Earth Science—Other | 03049 | G | 1 |
| 40.0641 | Mineralogy | Earth Science—Other | 03049 | G | 1 |
| 26.0111 | Science 7; Life Sciences 7 - Middle School Level | Biology | 03051 | G | 1 |
| 26.0121 | Biology, Basic 1; Biology, Essentials; Biology, Patterns; Life Science; Natural Science; Biology, Functional | Biology | 03051 | B | 1 |
| 26.0131 | Biology, General 1; Biology; Biology, Regents; Biology, Introductory | Biology | 03051 | G | 1 |
| 26.0141 | Biology, Honors 1 | Biology | 03051 | H | 1 |
| 26.0143 | Pre-IB Biology | Biology | 03051 | G | 1 |
| 26.0122 | Biology, Basic 2 | Biology—Advanced Studies | 03052 | B | 2 |
| 26.0132 | Biology, General 2 | Biology—Advanced Studies | 03052 | G | 2 |
| 26.0142 | Biology, Advanced; College Biology; Honors Biology 2 | Biology—Advanced Studies | 03052 | H | 2 |
| 26.0751 | Physiology, Human; Anatomy and Physiology; Human Biology | Anatomy and Physiology | 03053 | G | 1 |
| 26.0631 | Anatomy | Anatomy | 03054 | G | 1 |
| 26.0752 | Physiology, Advanced | Physiology | 03055 | G | 1 |
| 26.0146 | AP Biology | AP Biology | 03056 | E | 1 |
| 26.0144 | IB Biology 2 | IB Biology | 03057 | E | 2 |
| 26.0145 | IB Biology 3 | IB Biology | 03057 | E | 3 |
| 26.0300 | Botany, Other | Botany | 03058 | G | 1 |
| 26.0311 | Botany; Plants and People; Trees and Shrubs, Local | Botany | 03058 | G | 1 |
| 26.0161 | Genetics | Genetics | 03059 | G | 1 |
| 26.0500 | Microbiology, Other | Microbiology | 03060 | G | 1 |
| 26.0511 | Microbiology; Bacteriology | Microbiology | 03060 | G | 1 |
| 26.0700 | Zoology, Other | Zoology | 03061 | G | 1 |
| 26.0711 | Zoology | Zoology | 03061 | G | 1 |
| 26.0721 | Zoology, Vertebrate | Zoology | 03061 | G | 1 |
| 26.0731 | Zoology, Invertebrate | Zoology | 03061 | G | 1 |
| 26.0171 | Biopsychology | Particular Topics in Biology | 03063 | G | 1 |
| 26.0200 | Biochemistry and Biophysics, Other | Particular Topics in Biology | 03063 | G | 1 |
| 26.0211 | Biochemistry | Particular Topics in Biology | 03063 | G | 1 |
| 26.0400 | Cell and Molecular Biology, Other | Particular Topics in Biology | 03063 | G | 1 |
| 26.0411 | Cell Biology | Particular Topics in Biology | 03063 | G | 1 |
| 26.0600 | Miscellaneous Specialized Areas, Life Sciences, Other | Particular Topics in Biology | 03063 | G | 1 |
| 26.0611 | Ecology | Particular Topics in Biology | 03063 | G | 1 |
| 26.0741 | Animal Behavior | Particular Topics in Biology | 03063 | G | 1 |
| 26.0761 | Pathology; Health Biology | Particular Topics in Biology | 03063 | G | 1 |
| 26.0771 | Comparative Embryology | Particular Topics in Biology | 03063 | G | 1 |
| 26.0781 | Entomology | Particular Topics in Biology | 03063 | G | 1 |
| 26.0791 | Ornithology | Particular Topics in Biology | 03063 | G | 1 |
| 26.0151 | Field Biology; Biology, Regional | Regional Biology | 03064 | G | 1 |
| 26.0181 | Biology Seminar; Biology, Independent Study | Biology—Independent Study | 03097 | G | 1 |
| 26.0100 | Biology, Other General | Biology—Other | 03099 | G | 1 |
| 26.9900 | Life Sciences, Other | Biology—Other | 03099 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|---|------------------|--------------|-----------------|
| 40.0511 | Chemistry, Introductory; Chemistry, General; Chemistry, Fundamentals; Chemistry Concepts; Chemistry, Interdisciplinary | Chemistry | 03101 | G | 1 |
| 40.0521 | Chemistry 1; Chemistry, College Preparatory; Chemistry, Regents; Chemistry Study | Chemistry | 03101 | G | 1 |
| 40.0523 | Pre-IB Chemistry 1 | Chemistry | 03101 | G | 1 |
| 40.0522 | Chemistry 2; Chemistry, Advanced | Chemistry—Advanced Studies | 03102 | G | 2 |
| 40.0531 | Organic Chemistry; Organic Biochemistry | Organic Chemistry | 03103 | G | 1 |
| 40.0541 | Physical Chemistry | Physical Chemistry | 03104 | G | 1 |
| 40.0512 | Chemistry in the Community | Conceptual Chemistry | 03105 | G | 1 |
| 40.0526 | AP Chemistry | AP Chemistry | 03106 | E | 1 |
| 40.0524 | IB Chemistry 2 | IB Chemistry | 03107 | E | 1 |
| 40.0525 | IB Chemistry 3 | IB Chemistry | 03107 | E | 2 |
| 40.0551 | Consumer Chemistry; Chemistry, Applied | Particular Topics in Chemistry | 03108 | G | 1 |
| 40.0561 | Chemistry, Independent Study | Chemistry—Independent Study | 03147 | G | 1 |
| 40.0500 | Chemistry, Other | Chemistry—Other | 03149 | G | 1 |
| 40.0811 | Physics, General; Physics Concepts; Physics, Applied | Physics | 03151 | G | 1 |
| 40.0821 | Physics 1; Physics, Regents; Physics, College | Physics | 03151 | G | 1 |
| 40.0822 | Physics 2; Physics, Advanced; Physics, Honors | Physics | 03152 | H | 2 |
| 40.0831 | Physics 2 without Calculus | Physics—Advanced Studies | 03152 | G | 2 |
| 40.0812 | Principles of Technology 1 | Principles of Technology | 03153 | G | 1 |
| 40.0813 | Principles of Technology 2 | Principles of Technology | 03153 | G | 2 |
| 40.0841 | Electricity and Electronics Science; Electronics Science | Principles of Technology | 03153 | G | 1 |
| 40.0824 | AP Physics B | AP Physics B | 03155 | E | 1 |
| 40.0823 | IB Physics | IB Physics | 03157 | E | 1 |
| 40.0121 | Physical Science; Science 9; Chemistry and Physics | Physical Science | 03159 | G | 1 |
| 40.0141 | Physical Science, Applied | Physical Science | 03159 | G | 1 |
| 40.0300 | Astrophysics, Other | Particular Topics in Physics | 03162 | G | 1 |
| 40.0851 | Acoustics; Physics of Sound | Particular Topics in Physics | 03162 | G | 1 |
| 41.0200 | Nuclear Technologies, Other | Particular Topics in Physics | 03162 | G | 1 |
| 41.0211 | Radioactivity | Particular Topics in Physics | 03162 | G | 1 |
| 40.0826 | AP Physics C: Electricity/Magnetism | AP Physics C: Electricity and Magnetism | 03163 | E | 1 |
| 40.0825 | AP Physics C: Mechanics | AP Physics C: Mechanics | 03164 | E | 1 |
| 40.0800 | Physics, Other | Physics—Other | 03199 | G | 1 |
| 30.0111 | Science, Unified; Science, Basic; Science, General; Science Ideas; Science Workshop; Science, Applied; Physical and Life Science | Unified Science | 03202 | G | 1 |
| 30.0113 | Science, Unified, Advanced; Science, Integrated, Advanced | Unified Science | 03202 | G | 1 |
| 30.0321 | IB Design Technology, Standard | IB Design Technology | 03206 | E | 1 |
| 30.0322 | IB Design Technology, Higher | IB Design Technology | 03206 | E | 1 |
| 30.0622 | AP Environmental Science (Changed to 40.0622) | AP Environmental Science | 03207 | E | 1 |
| 40.0622 | AP Environmental Science | AP Environmental Science | 03207 | E | 1 |
| 30.0623 | IB Environmental Studies | IB Environmental Science | 03208 | E | 1 |
| 40.1000 | Aerospace Science, Other | Aerospace | 03209 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|--|------------------|--------------|-----------------|
| 40.1011 | Aerospace Science | Aerospace | 03209 | G | 1 |
| 30.0600 | Systems Science, Other | Science, Technology, and Society | 03210 | G | 1 |
| 40.0111 | Science 8; Physical Science 8 - Middle School Level | Science (grade 8) | 03238 | G | 1 |
| 33.0112 | Life Sciences Laboratory Assistant/Aide | Life and Physical Sciences—Aide | 03995 | G | 1 |
| 33.0113 | Physical Sciences Laboratory Assistant/Aide | Life and Physical Sciences—Aide | 03995 | G | 1 |
| 30.0121 | Science Study, Independent; Science Investigations; Science Research Techniques | Life and Physical Sciences—Independent Study | 03997 | G | 1 |
| 30.0100 | Biological and Physical Sciences, Other | Life and Physical Sciences—Other | 03999 | G | 1 |
| 30.0112 | College Pre-Science Skills | Life and Physical Sciences—Other | 03999 | G | 1 |
| 30.0131 | Outdoor Education | Life and Physical Sciences—Other | 03999 | G | 1 |
| 30.0611 | Futuristics; Science Technology and the Future; History of the Future; Future Worlds | Life and Physical Sciences—Other | 03999 | G | 1 |
| 40.0100 | Physical Sciences, Other General | Life and Physical Sciences—Other | 03999 | G | 1 |
| 40.0131 | Chemistry and Physics Laboratory Techniques | Life and Physical Sciences—Other | 03999 | G | 1 |
| 40.0700 | Miscellaneous Physical Sciences, Other | Life and Physical Sciences—Other | 03999 | G | 1 |
| 40.0900 | Planetary Science, Other | Life and Physical Sciences—Other | 03999 | G | 1 |
| 40.9900 | Physical Sciences, Other | Life and Physical Sciences—Other | 03999 | G | 1 |
| 41.0300 | Physical Science Technologies, Other | Life and Physical Science—Other | 03999 | G | 1 |
| 41.9900 | Science Technologies, Other | Life and Physical Science—Other | 03999 | G | 1 |
| 52.0104 | Science EMH | Life and Physical Sciences—Other | 03999 | B | 1 |
| 52.0205 | Science EH | Life and Physical Science—Other | 03999 | B | 1 |
| 52.0303 | Science Deaf | Life and Physical Science—Other | 03999 | B | 1 |
| 54.4001 | Functional Science | Life and Physical Sciences—Other | 03999 | B | 1 |
| 54.4009 | Functional Science, not for credit | Life and Physical Sciences—Other | 03999 | B | 1 |
| 56.4000 | Special Education General Science | Life and Physical Sciences—Other | 03999 | B | 1 |
| 56.4001 | Resource General Science | Life and Physical Sciences—Other | 03999 | B | 1 |
| 56.4009 | Resource General Science, not for credit | Life and Physical Sciences—Other | 03999 | B | 1 |
| 45.0701 | Geography 8 - Middle School Level | World Geography | 04001 | G | 1 |
| 45.0704 | World Geography; Cultural and Physical Geography; | World Geography | 04001 | G | 1 |
| 45.0700 | Geography, Other | Particular Topics in Geography | 04002 | G | 1 |
| 45.0703 | Geography, North American | Particular Topics in Geography | 04002 | G | 1 |
| 45.0705 | Geography, Western Hemisphere and Africa | Particular Topics in Geography | 04002 | G | 1 |
| 45.0706 | Geography, Eastern Hemisphere | Particular Topics in Geography | 04002 | G | 1 |
| 45.0708 | Economic and Political Geography; Economic Geography | Particular Topics in Geography | 04002 | G | 1 |
| 45.0709 | Human and Cultural Geography; Man and His Environment | Particular Topics in Geography | 04002 | G | 1 |
| 45.0710 | Field Geography, Honors | Particular Topics in Geography | 04002 | H | 1 |
| 45.0711 | IB World Geography | IB Geography | 04003 | E | 1 |
| 45.0712 | AP Human Geography | AP Human Geography | 04004 | E | 1 |
| 45.0702 | Geography, United States | U.S. Geography | 04005 | G | 1 |
| 05.0116 | World Studies, Honors; World Cultures, Honors | World History-Overview | 04051 | H | 1 |
| 45.0835 | World History Studies; Eye on the World; World History and World Geography and World Cultures; Survey of World Culture; History of World Civilization | World History—Overview | 04051 | G | 1 |
| 45.0836 | World History, College | World History—Overview | 04051 | C | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|------------------------------|------------------|--------------|-----------------|
| 45.0870 | Pre-IB World History | World History—Overview | 04051 | G | 1 |
| 45.0879 | Advanced World History | World History—Overview | 04051 | G | 2 |
| 45.0801 | History and Geography 7 - Middle School Level | World History and Geography | 04052 | G | 1 |
| 05.0115 | World Studies 2; World Cultures 2 | Modern World History | 04053 | G | 2 |
| 45.0837 | World History, Modern; Modern World Civilization | Modern World History | 04053 | G | 1 |
| 45.0871 | IB History Of The Americas I | IB History | 04054 | E | 1 |
| 45.0873 | IB History of Europe | IB History | 04054 | E | 1 |
| 45.0876 | IB History of the Americas II | IB History | 04054 | E | 2 |
| 45.0877 | IB Contemporary History | IB History | 04054 | E | 1 |
| 45.1037 | IB American Government | IB History | 04054 | E | 1 |
| 45.0852 | Modern Europe | Modern European History | 04055 | G | 1 |
| 45.0855 | European History, Advanced Readings | Modern European History | 04055 | H | 1 |
| 45.0856 | European History, Modern; Western Civilization, Modern | Modern European History | 04055 | H | 1 |
| 45.0853 | AP European History; European History, Advanced Placement | AP European History | 04056 | E | 1 |
| 45.0844 | AP World History; World History, Advanced Placement; Western Civilization, Advanced Placement | AP World History | 04057 | E | 1 |
| 05.0114 | World Studies 1; World Cultures 1 | Ancient Civilizations | 04058 | G | 1 |
| 45.0845 | Ancient and Classical World | Ancient Civilizations | 04058 | G | 1 |
| 45.0848 | Ancient History and Middle Ages; Ancient World History; Development of Civilization; Early World History | Ancient and Medieval History | 04060 | G | 1 |
| 05.0101 | Area Studies | World Area Studies | 04061 | G | 1 |
| 05.0110 | Anglo America | World Area Studies | 04061 | G | 1 |
| 05.0111 | North America and Current Events | World Area Studies | 04061 | G | 1 |
| 05.0112 | North and South America | World Area Studies | 04061 | G | 1 |
| 05.0113 | Latin America; Latin American Studies; Latin America and the Caribbean; Mesoamerica; South America | World Area Studies | 04061 | G | 1 |
| 05.0117 | Comparative World Cultures | World Area Studies | 04061 | G | 1 |
| 05.0118 | European Culture Studies, Basic; Western Europe on the Move | World Area Studies | 04061 | G | 1 |
| 05.0119 | European Culture Studies, General; Western European Culture Studies, Academic; Europe and Current Events; Western Man; European Culture Studies, Regents | World Area Studies | 04061 | G | 1 |
| 05.0120 | European Culture Studies, Honors; Western European Culture Studies, Honors | World Area Studies | 04061 | H | 1 |
| 05.0122 | African Area Studies; African Cultural Area | World Area Studies | 04061 | G | 1 |
| 05.0123 | Africa and South America | World Area Studies | 04061 | G | 1 |
| 05.0124 | Asian and African Cultural Studies, Basic | World Area Studies | 04061 | B | 1 |
| 05.0125 | Asian and African Cultural Studies, General; Asian and African Cultural Studies, Regents | World Area Studies | 04061 | G | 1 |
| 05.0126 | Asian and African Cultural Studies, Honors | World Area Studies | 04061 | H | 1 |
| 05.0127 | Asian Studies; East Asian Studies; Oriental Cultures; Chinese and Japanese Cultures; Orient; Land of Mystery | World Area Studies | 04061 | G | 1 |

See notes at end of table.

Table A-1. C/SSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|------------------------------------|------------------|--------------|-----------------|
| 05.0128 | History of China | World Area Studies | 04061 | G | 1 |
| 05.0129 | Asia, Africa and Mideast | World Area Studies | 04061 | G | 1 |
| 05.0130 | Africa and Middle East | World Area Studies | 04061 | G | 1 |
| 05.0131 | Middle Eastern Studies | World Area Studies | 04061 | G | 1 |
| 05.0132 | Middle East, War for Survival | World Area Studies | 04061 | G | 1 |
| 05.0133 | USSR; Russian and Slavic Studies; Soviet Union; Making of Modern Russia; Soviet Area Studies | World Area Studies | 04061 | G | 1 |
| 05.0134 | Soviet Union and China | World Area Studies | 04061 | G | 1 |
| 05.0135 | Soviet Union and Afro American Developing Nations | World Area Studies | 04061 | G | 1 |
| 05.0136 | History of Russia | World Area Studies | 04061 | G | 1 |
| 05.0139 | Pacific Rim Nations | World Area Studies | 04061 | G | 1 |
| 05.0140 | Canadian Area Studies | World Area Studies | 04061 | G | 1 |
| 45.0832 | North American History | World Area Studies | 04061 | G | 1 |
| 45.0833 | Mexican History | World Area Studies | 04061 | G | 1 |
| 45.0834 | South American History | World Area Studies | 04061 | G | 1 |
| 45.0849 | English History | World Area Studies | 04061 | G | 1 |
| 45.0850 | English History, Honors | World Area Studies | 04061 | H | 1 |
| 45.0857 | Third World History | World Area Studies | 04061 | G | 1 |
| 45.0858 | African History | World Area Studies | 04061 | G | 1 |
| 45.0859 | Africa, Middle East and Latin America | World Area Studies | 04061 | G | 1 |
| 45.0860 | Latin American History | World Area Studies | 04061 | G | 1 |
| 45.0861 | Middle East History | World Area Studies | 04061 | G | 1 |
| 45.0862 | Israel, History | World Area Studies | 04061 | G | 1 |
| 45.0863 | Eastern Civilization | World Area Studies | 04061 | G | 1 |
| 45.0864 | Far East, History | World Area Studies | 04061 | G | 1 |
| 45.0865 | Asian History, Modern | World Area Studies | 04061 | G | 1 |
| 45.0866 | Pacific Lands, History | World Area Studies | 04061 | G | 1 |
| 45.0867 | Russian History | World Area Studies | 04061 | G | 1 |
| 45.0840 | Western Civilization 9; World Civilization 9 | Western Civilization | 04063 | G | 1 |
| 45.0841 | Western Civilization 9, Honors; World Civilization 9, Honors | Western Civilization | 04063 | H | 1 |
| 45.0842 | Western Civilization, History; European History | Western Civilization | 04063 | G | 1 |
| 45.0843 | Early Western Civilization | Western Civilization | 04063 | G | 1 |
| 05.0121 | Developing Nations; Developing World; Emerging Nations | Contemporary World Issues | 04064 | G | 1 |
| 05.0138 | Global Education; Global Perspectives; Global Studies; Global Issues; World Problems | Contemporary World Issues | 04064 | G | 1 |
| 45.0838 | World Civilization, 20th Century; Current World History | Contemporary World Issues | 04064 | G | 1 |
| 45.0839 | World Civilization, 20th Century, Honors | Contemporary World Issues | 04064 | H | 1 |
| 05.0137 | Neglected World | Particular Topics in World History | 04065 | G | 1 |
| 45.0846 | Ancient Greek History | Particular Topics in World History | 04065 | G | 1 |
| 45.0847 | Rome and Her Empire | Particular Topics in World History | 04065 | G | 1 |
| 45.0851 | French Revolution, Honors | Particular Topics in World History | 04065 | H | 1 |
| 45.0854 | European History, 20th Century | Particular Topics in World History | 04065 | G | 1 |
| 45.0868 | World Leaders, Past and Present | Particular Topics in World History | 04065 | G | 1 |
| 45.0869 | Historical Research | Particular Topics in World History | 04065 | G | 1 |
| 45.1191 | Holocaust | Particular Topics in World History | 04065 | G | 1 |
| 33.0161 | U.S. History, Remedial (Changed to 45.0809) | U.S. History—Comprehensive | 04101 | B | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|-----------|--|----------------------------|-----------|-------|----------|
| 45.0802 | Our Cultural Heritage 7 - Middle School Level | U.S. History—Comprehensive | 04101 | G | 1 |
| 45.0804 | United States History 8 - Middle School Level | U.S. History—Comprehensive | 04101 | G | 1 |
| 45.0809 | American History, Basic; US History, Basic; American History, Remedial; US History, Remedial | U.S. History—Comprehensive | 04101 | B | 1 |
| 45.0810 | American History; American History and World Background | U.S. History—Comprehensive | 04101 | G | 1 |
| 45.0813 | United States History, Honors | U.S. History—Comprehensive | 04101 | H | 1 |
| 45.0874 | Pre-IB US History | U.S. History—Comprehensive | 04101 | G | 1 |
| 45.0811 | United States History 1; Age of Discovery; Founding of America | Early U.S. History | 04102 | G | 1 |
| 45.0812 | United States History 2; Modern American History | Modern U.S. History | 04103 | G | 1 |
| 45.0808 | United States History, Advanced Placement (Changed to 45.0814) | AP U.S. History | 04104 | E | 1 |
| 45.0814 | AP American History; AP US History; American History, Advanced Placement; United States History, Advanced Placement; American History, College | AP U.S. History | 04104 | E | 1 |
| 45.0807 | United States History, State and Local; State History and Government; State History | State-Specific Studies | 04105 | G | 1 |
| 05.0102 | American Studies, Basic | Contemporary U.S. Issues | 04106 | B | 1 |
| 05.0103 | American Studies, General; American Studies, Regents; American Studies, Academic; American History and American Character | Contemporary U.S. Issues | 04106 | G | 1 |
| 05.0104 | America's People and Problems; Factors that Made America Great; American Social Change; Contemporary America | Contemporary U.S. Issues | 04106 | G | 1 |
| 05.0105 | American Studies, Honors | Contemporary U.S. Issues | 04106 | H | 1 |
| 45.0816 | Twentieth Century America; Twentieth Century America, Survey; American History, Contemporary | Contemporary U.S. Issues | 04106 | G | 1 |
| 45.1014 | Contemporary American Political Issues; Contemporary American Problems; Contemporary American Issues; Citizenship; American Problems | Contemporary U.S. Issues | 04106 | G | 1 |
| 45.1015 | Contemporary American Political Issues, Honors; American Problems, Research | Contemporary U.S. Issues | 04106 | G | 1 |
| 05.0211 | Minorities in America; Minority Groups in the United States; Minorities; Minorities in United States History; Multi Ethnic Cultures; United States Cultures; American Intercultural Heritage | U.S. Ethnic Studies | 04107 | G | 1 |
| 05.0221 | Ethnic and Family Heritage | U.S. Ethnic Studies | 04107 | G | 1 |
| 05.0231 | Afro American Studies; Black Experience; Afro American Culture and History; Black Studies; Black History; American Black History | U.S. Ethnic Studies | 04107 | G | 1 |
| 05.0241 | Economics of Afro Americans | U.S. Ethnic Studies | 04107 | G | 1 |
| 05.0251 | Indians of North America; American Indians | U.S. Ethnic Studies | 04107 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|--------------------------------------|------------------|--------------|-----------------|
| 05.0261 | Jewish Historical Significance | U.S. Ethnic Studies | 04107 | G | 1 |
| 05.0271 | Mexican American Heritage; Mexican American Studies | U.S. Ethnic Studies | 04107 | G | 1 |
| 05.0281 | Hawaiiana | U.S. Ethnic Studies | 04107 | G | 1 |
| 05.0291 | Hawaiian Culture Studies, Modern | U.S. Ethnic Studies | 04107 | G | 1 |
| 30.0711 | Women's Studies; Women in American Society | U.S. Gender Studies | 04108 | G | 1 |
| 05.0106 | New England Studies | Particular Topics in U.S. History | 04109 | G | 1 |
| 05.0107 | Old South | Particular Topics in U.S. History | 04109 | G | 1 |
| 05.0108 | American West; American Frontiers; Wild West; How the West Was Won | Particular Topics in U.S. History | 04109 | G | 1 |
| 05.0109 | Southwest United States | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0815 | Westward Movement | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0817 | Twenties and Thirties; Roaring 20's and Depressed 30's | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0818 | America Since 1945; America, Post World War; United States History, Recent | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0819 | Nineteen Sixties | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0820 | Nineteen Seventies | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0821 | Reform in American History | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0822 | American Inquiries | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0823 | Historic Events, United States | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0824 | American Wars, Causes and Effects; World Wars; American Wars and Diplomacy | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0825 | Civil War | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0826 | Civil War, Reconstruction and Industrialism | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0827 | War and Modern Consciousness | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0828 | World War II | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0829 | United States Military History 1 | Particular Topics in U.S. History | 04109 | G | 1 |
| 45.0830 | United States Military History 2 | Particular Topics in U.S. History | 04109 | G | 2 |
| 45.0831 | United States History, Field Study | U.S. History—Other | 04149 | G | 1 |
| 45.1003 | Government, Basic; Government and Contemporary American Problems | U.S. Government—Comprehensive | 04151 | G | 1 |
| 45.1004 | American Government; Government; Practical Government; Political Studies; Federal Government; United States Government; Government and Decision Making; United States History and Government | U.S. Government—Comprehensive | 04151 | G | 1 |
| 45.1013 | American Heritage, Honors; Political Studies; Honors | U.S. Government—Comprehensive | 04151 | H | 1 |
| 45.1034 | Pre-IB American Government/Economics | U.S. Government—Comprehensive | 04151 | G | 1 |
| 45.1002 | State and Local Government | Particular Topics in U.S. Government | 04152 | G | 1 |
| 45.1005 | Presidency; Presidential Roles; Constitution and Presidency | Particular Topics in U.S. Government | 04152 | G | 1 |
| 45.1006 | Framework of the Constitution; Rights and Responsibilities; Constitutional History | Particular Topics in U.S. Government | 04152 | G | 1 |
| 45.1007 | Individual vs. State; Liberty and the Law | Particular Topics in U.S. Government | 04152 | G | 1 |
| 45.1008 | National State and Local Elections; Government and Politics; Youth and Local Politics; American Politics; American Political Behavior; Political Issues; American Political Systems | Particular Topics in U.S. Government | 04152 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|--|------------------|--------------|-----------------|
| 45.1009 | Elections, Politics and Morality, Honors | Particular Topics in U.S. Government | 04152 | H | 1 |
| 45.1011 | American Foreign Policy; United States as a World Power; American Government in World Affairs | Particular Topics in U.S. Government | 04152 | G | 1 |
| 45.1012 | Decision Making in a Crisis; Ideas in Conflict | Particular Topics in U.S. Government | 04152 | G | 1 |
| 45.1029 | Political Science | Political Science | 04153 | G | 1 |
| 45.1019 | Comparative Political Systems, Basic | Comparative Government | 04154 | B | 1 |
| 45.1020 | Comparative World Governments; Comparative Political Systems | Comparative Government | 04154 | G | 1 |
| 45.1021 | Americanism vs. Communism | Comparative Government | 04154 | G | 1 |
| 45.1022 | Americanism vs. Communism, Honors | Comparative Government | 04154 | H | 1 |
| 45.0900 | International Relations, Other | International Relations | 04155 | G | 1 |
| 45.0911 | International Relations; Foreign Policy Problems; Global Relations | International Relations | 04155 | G | 1 |
| 45.0921 | International Relations, Honors | International Relations | 04155 | H | 1 |
| 32.0119 | Contemporary Issues, Basic Skills (Changed to 45.1033) | United States and World Affairs | 04156 | B | 1 |
| 45.1010 | Contemporary World Affairs; Current Events; Current Affairs; Media and Politics; Critical Issues | United States and World Affairs | 04156 | G | 1 |
| 45.1023 | Communism and Its Growth | United States and World Affairs | 04156 | G | 1 |
| 45.1033 | Contemporary Issues, Basic Skills | United States and World Affairs | 04156 | B | 1 |
| 45.1035 | AP American Government and Politics | AP U.S. Government and Politics | 04157 | E | 1 |
| 45.1036 | AP Comparative Government and Politics | AP Comparative Government and Politics | 04158 | E | 1 |
| 45.1030 | Political Science, Advanced Placement (Changed to either 45.1035 or 45.1036) | AP Government | 04159 | E | 1 |
| 45.1016 | American Government and Economics, Basic | Principles of Democracy | 04160 | B | 1 |
| 45.1017 | American Government and Economics; Today's Problems; Problems of Democracy and Economics; American Institutions; Problems of Democracy | Principles of Democracy | 04160 | G | 1 |
| 45.1018 | American Government and Economics, Honors | Principles of Democracy | 04160 | H | 1 |
| 45.1001 | Civics; Community Civics | Civics | 04161 | G | 1 |
| 45.1024 | Civics, Honors; European Civics | Civics | 04161 | H | 1 |
| 22.0100 | Law, Other | Law Studies | 04162 | G | 1 |
| 22.0111 | Law Fundamentals; Parliament and Court Procedures; Criminal Law; Legal Rights | Law Studies | 04162 | G | 1 |
| 22.0131 | Street Law | Legal System | 04165 | G | 1 |
| 22.0121 | Law and You; On Trial; Criminology and Justice; Youth and the Law; Law Enforcement and the Courts; Civil Liberties and the Law; Law and Juvenile Justice; Practical Law; Everyday Law | Particular Topics in Law | 04166 | G | 1 |
| 45.0931 | International Law | Particular Topics in Law | 04166 | G | 1 |
| 45.0941 | Model Security Council, Local | Simulated Political Process | 04167 | G | 1 |
| 45.0951 | Model United Nations, Local | Simulated Political Process | 04167 | G | 1 |
| 45.0952 | Model United Nations, National | Simulated Political Process | 04167 | G | 1 |
| 45.1027 | Model Senate | Simulated Political Process | 04167 | G | 1 |
| 45.0872 | IB Twentieth Century World Topics | IB Twentieth Century World Topics | 04168 | E | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|--|------------------|--------------|-----------------|
| 45.1031 | Political Science and Government - Local/Regional Government Field Study | Government, Politics, and Law—Independent Study | 04197 | G | 1 |
| 45.1026 | Government Internship | Government, Politics, and Law—Workplace Experience | 04198 | G | 1 |
| 45.1000 | Political Science and Government, Other | Government, Politics, and Law—Other | 04199 | G | 1 |
| 45.1025 | Writings Influencing Government | Government, Politics, and Law—Other | 04199 | G | 1 |
| 45.1032 | Political Turmoil | Government, Politics, and Law—Other | 04199 | G | 1 |
| 45.0601 | Economics, Theory; Economics 1; Economics, Basic | Economics | 04201 | G | 1 |
| 45.0611 | Economics, College | Economics | 04201 | C | 1 |
| 45.0602 | Economics and Economic Problems; Economics for Today and the Future; Economics 2; American Economy; Free Enterprise; Economics Now; Comparative Economics | Comparative Economics | 04202 | G | 1 |
| 45.0613 | AP Microeconomics; AP Economics | AP Microeconomics | 04203 | E | 1 |
| 45.0614 | AP Macroeconomics | AP Macroeconomics | 04204 | E | 1 |
| 45.0615 | IB Microeconomics | IB Economics | 04206 | E | 1 |
| 45.0616 | IB Macroeconomics | IB Economics | 04206 | E | 1 |
| 45.0617 | IB Economics 1 | IB Economics | 04206 | E | 1 |
| 45.0618 | IB Economics 2 | IB Economics | 04206 | E | 2 |
| 45.0603 | Consumer Economics; Consumer and the Economy; Economics and the Consumer | Particular Topics in Economics | 04207 | G | 1 |
| 45.0604 | Filing Your Income Taxes; Income Taxes | Particular Topics in Economics | 04207 | G | 1 |
| 45.0605 | Insurance Theory | Particular Topics in Economics | 04207 | G | 1 |
| 45.0606 | Investment Economics | Particular Topics in Economics | 04207 | G | 1 |
| 45.0607 | Television and Economics | Particular Topics in Economics | 04207 | G | 1 |
| 45.0608 | Energy Education | Particular Topics in Economics | 04207 | G | 1 |
| 45.0610 | Economics, Analysis and Criticism | Particular Topics in Economics | 04207 | G | 1 |
| 45.0612 | International Economics | Particular Topics in Economics | 04207 | G | 1 |
| 45.0600 | Economics, Other | Economics—Other | 04249 | G | 1 |
| 45.0211 | Anthropology | Anthropology | 04251 | G | 1 |
| 45.0200 | Anthropology, Other | Particular Topics in Anthropology | 04252 | G | 1 |
| 45.0221 | Comparative Cultural Patterns; Multicultural Education; Cultural Pluralism | Particular Topics in Anthropology | 04252 | G | 1 |
| 45.0231 | Anthropology, Myth and Magic | Particular Topics in Anthropology | 04252 | G | 1 |
| 45.0241 | Cultural Anthropology, Research; Oral History Collection | Particular Topics in Anthropology | 04252 | G | 1 |
| 45.0261 | Human Origins | Particular Topics in Anthropology | 04252 | G | 1 |
| 45.0300 | Archaeology, Other | Particular Topics in Anthropology | 04252 | G | 1 |
| 45.0311 | Archaeology | Particular Topics in Anthropology | 04252 | G | 1 |
| 45.0251 | IB Social Anthropology 1 | IB Social Anthropology | 04253 | E | 1 |
| 45.0252 | IB Social Anthropology 2 | IB Social Anthropology | 04253 | E | 2 |
| 42.0100 | Psychology, Other General | Psychology | 04254 | G | 1 |
| 42.0111 | Psychology; Behavioral Sciences, Introduction; Human Behavior | Psychology | 04254 | G | 1 |
| 42.0112 | Psychology, Advanced | Psychology | 04254 | G | 1 |
| 42.0113 | Abnormal Psychology | Particular Topics in Psychology | 04255 | G | 1 |
| 42.0200 | Clinical Psychology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.0300 | Cognitive Psychology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.0311 | Psychology of Learning | Particular Topics in Psychology | 04255 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|---------------------------------|------------------|--------------|-----------------|
| 42.0321 | Educational Psychology | Particular Topics in Psychology | 04255 | G | 1 |
| 42.0400 | Community Psychology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.0500 | Comparative Psychology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.0600 | Counseling Psychology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.0700 | Developmental Psychology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.0711 | Child Psychology | Particular Topics in Psychology | 04255 | G | 1 |
| 42.0721 | Adolescent Psychology; Adolescent Development | Particular Topics in Psychology | 04255 | G | 1 |
| 42.0731 | Adjustment Psychology | Particular Topics in Psychology | 04255 | G | 1 |
| 42.0800 | Experimental Psychology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.0900 | Industrial and Organizational Psychology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.1000 | Personality Psychology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.1011 | Historical Personalities and Ideas | Particular Topics in Psychology | 04255 | G | 1 |
| 42.1021 | Humanistic Psychology | Particular Topics in Psychology | 04255 | G | 1 |
| 42.1100 | Physiological Psychology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.1200 | Psycholinguistics, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.1300 | Psychometrics, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.1400 | Psychopharmacology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.1411 | Psychopharmacology | Particular Topics in Psychology | 04255 | G | 1 |
| 42.1500 | Quantitative Psychology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.1600 | Social Psychology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.1611 | Social Psychology | Particular Topics in Psychology | 04255 | G | 1 |
| 42.9900 | Psychology, Other | Particular Topics in Psychology | 04255 | G | 1 |
| 42.0114 | AP Psychology | AP Psychology | 04256 | E | 1 |
| 42.0115 | IB Psychology 1 | IB Psychology | 04257 | E | 1 |
| 42.0116 | IB Psychology 2 | IB Psychology | 04257 | E | 2 |
| 45.1121 | Sociology, General | Sociology | 04258 | G | 1 |
| 45.1171 | Sociology, Honors | Sociology | 04258 | H | 1 |
| 45.0400 | Criminology, Other | Particular Topics in Sociology | 04259 | G | 1 |
| 45.0500 | Demography, Other | Particular Topics in Sociology | 04259 | G | 1 |
| 45.0511 | Population Education; United States Census | Particular Topics in Sociology | 04259 | G | 1 |
| 45.0609 | American Labor History | Particular Topics in Sociology | 04259 | G | 1 |
| 45.1100 | Sociology, Other | Particular Topics in Sociology | 04259 | G | 1 |
| 45.1111 | American Social Problems, Introduction; Social Problems; Social Issues; Community and Intergroup Relations | Particular Topics in Sociology | 04259 | G | 1 |
| 45.1131 | Sociology, Issues | Particular Topics in Sociology | 04259 | G | 1 |
| 45.1132 | The Poor in America | Particular Topics in Sociology | 04259 | G | 1 |
| 45.1141 | Mobility in Society | Particular Topics in Sociology | 04259 | G | 1 |
| 45.1151 | Violence In America | Particular Topics in Sociology | 04259 | G | 1 |
| 45.1161 | Death and Dying | Particular Topics in Sociology | 04259 | G | 1 |
| 45.1200 | Urban Studies, Other | Particular Topics in Sociology | 04259 | G | 1 |
| 45.1211 | Urban Problems; Urban Social Problems; City in United States History; Urban Environment and Problems; Urban Survival; Urban Studies | Particular Topics in Sociology | 04259 | G | 1 |
| 45.1221 | Urban Ecology | Particular Topics in Sociology | 04259 | G | 1 |
| 45.1231 | Technology and Urbanization | Particular Topics in Sociology | 04259 | G | 1 |
| 45.0111 | Social Science, Introduction; Social Studies, Introduction; Social Studies Skills | Social Science | 04260 | G | 1 |
| 45.0121 | Social Science, Advanced Theory and Research | Social Science | 04260 | H | 1 |

See notes at end of table.

Table A-1. C

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|-----------------------------------|------------------|--------------|-----------------|
| 45.0131 | Social Science Seminar | Social Science Research | 04261 | G | 1 |
| 45.1181 | Sociology, Research | Social Science Research | 04261 | G | 1 |
| 45.0141 | Social Studies, Independent Study; Social Studies, Independent Research; Social Studies, Independent Reading | Social Sciences—Independent Study | 04297 | G | 1 |
| 45.0100 | Social Sciences, Other General | Social Sciences—Other | 04299 | G | 1 |
| 45.9900 | Social Sciences, Other | Social Sciences—Other | 04299 | G | 1 |
| 54.4501 | Functional Social Studies | Social Sciences—Other | 04299 | B | 1 |
| 54.4509 | Functional Social Studies, not for credit | Social Sciences—Other | 04299 | B | 1 |
| 56.4500 | Special Education Social Studies | Social Sciences—Other | 04299 | B | 1 |
| 56.4501 | Resource Social Studies | Social Sciences—Other | 04299 | B | 1 |
| 56.4509 | Resource Social Studies, not for credit | Social Sciences—Other | 04299 | B | 1 |
| 30.0411 | Humanities; People and Their Culture | Humanities Survey | 04301 | G | 1 |
| 30.0421 | Humanities, European; Humanities of Western Civilization | Issues of Western Humanities | 04303 | G | 1 |
| 38.0142 | IB Theory of Knowledge | IB Theory of Knowledge | 04304 | E | 1 |
| 38.0111 | Philosophy; Systems of Philosophy; Philosophy Seminar | Philosophy | 04306 | G | 1 |
| 38.0100 | Philosophy, Other | Particular Topics in Philosophy | 04307 | G | 1 |
| 38.0121 | Ethics | Particular Topics in Philosophy | 04307 | G | 1 |
| 38.0131 | Logic; English Language, Logic and Reason; Clear Thinking | Particular Topics in Philosophy | 04307 | G | 1 |
| 38.0141 | Epistemics | Particular Topics in Philosophy | 04307 | G | 1 |
| 38.0151 | Social Justice Issues; Peace and Social Justice | Particular Topics in Philosophy | 04307 | G | 1 |
| 38.0112 | IB Philosophy | IB Philosophy | 04309 | E | 1 |
| 24.0111 | Liberal Studies | Particular Topics in Humanities | 04310 | G | 1 |
| 30.0431 | Humanities, American | Particular Topics in Humanities | 04310 | G | 1 |
| 30.0441 | Humanities, African | Particular Topics in Humanities | 04310 | G | 1 |
| 30.0451 | Humanities, Near East and Far East | Particular Topics in Humanities | 04310 | G | 1 |
| 30.0500 | Peace Studies, Other | Particular Topics in Humanities | 04310 | G | 1 |
| 45.0803 | Social Studies 7, Honors - Middle School Level | Social Studies (grade 7) | 04437 | H | 1 |
| 45.0805 | Social Studies 8 - Middle School Level | Social Studies (grade 8) | 04438 | G | 1 |
| 45.0806 | Social Studies 8, Honors - Middle School Level | Social Studies (grade 8) | 04438 | H | 1 |
| 05.0100 | Area Studies, Other | Social Sciences and History—Other | 04999 | G | 1 |
| 05.0200 | Ethnic Studies, Other | Social Sciences and History—Other | 04999 | G | 1 |
| 05.9900 | Area and Ethnic Studies, Other | Social Sciences and History—Other | 04999 | G | 1 |
| 24.0100 | Liberal/General Studies, Other | Social Sciences and History—Other | 04999 | G | 1 |
| 30.0400 | Humanities and Social Sciences, Other | Social Sciences and History—Other | 04999 | G | 1 |
| 30.0700 | Women's Studies, Other | Social Sciences and History—Other | 04999 | G | 1 |
| 30.9900 | Multi/Interdisciplinary Studies, Other | Social Sciences and History—Other | 04999 | G | 1 |
| 45.0800 | History, Other | Social Sciences and History—Other | 04999 | G | 1 |
| 52.0105 | Social Studies EMH | Social Sciences and History—Other | 04999 | B | 1 |
| 52.0206 | Social Studies EH | Social Sciences and History—Other | 04999 | B | 1 |
| 52.0304 | Social Studies Deaf | Social Sciences and History—Other | 04999 | B | 1 |
| 50.0312 | Modern Dance for Beginners 2; Creative Dance 2; Rhythm and Dance 2 | Dance Technique | 05001 | G | 2 |
| 50.0313 | Modern Dance for Beginners 3; Creative Dance 3; Rhythm and Dance 3 | Dance Technique | 05001 | G | 3 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|---------------------------------------|------------------|--------------|-----------------|
| 50.0314 | Modern Dance for Beginners 4; Creative Dance 4; Rhythm and Dance 4 | Dance Technique | 05001 | G | 4 |
| 50.0321 | Modern Dance 1, Intermediate | Dance Technique | 05001 | G | 1 |
| 50.0322 | Modern Dance 2, Intermediate | Dance Technique | 05001 | G | 2 |
| 50.0323 | Modern Dance 3, Intermediate | Dance Technique | 05001 | G | 3 |
| 50.0324 | Modern Dance 4, Intermediate | Dance Technique | 05001 | G | 4 |
| 50.0331 | Dance 1, Advanced | Dance Technique | 05001 | H | 1 |
| 50.0332 | Dance 2, Advanced | Dance Technique | 05001 | H | 2 |
| 50.0333 | Dance 3, Advanced | Dance Technique | 05001 | H | 3 |
| 50.0334 | Dance 4, Advanced | Dance Technique | 05001 | H | 4 |
| 50.0381 | Aerobic Dance | Dance Technique | 05001 | G | 1 |
| 50.0341 | Performing Dance Group 1 | Dance Repertory | 05002 | G | 1 |
| 50.0342 | Performing Dance Group 2 | Dance Repertory | 05002 | G | 2 |
| 50.0343 | Performing Dance Group 3 | Dance Repertory | 05002 | G | 3 |
| 50.0344 | Performing Dance Group 4 | Dance Repertory | 05002 | G | 4 |
| 50.0311 | Modern Dance for Beginners 1; Rhythm and Dance 1 | General Dance | 05003 | G | 1 |
| 50.0351 | Ballet and Jazz for Beginners 1 | Dance Survey | 05006 | G | 1 |
| 50.0352 | Ballet and Jazz for Beginners 2 | Dance Survey | 05006 | G | 2 |
| 50.0353 | Ballet and Jazz for Beginners 3 | Dance Survey | 05006 | G | 3 |
| 50.0354 | Ballet and Jazz for Beginners 4 | Dance Survey | 05006 | G | 4 |
| 50.0361 | Ethnic Dance; Folk Dance | World/Cultural Dance | 05008 | G | 1 |
| 50.0371 | Square Dance | Social Dance | 05010 | G | 1 |
| 50.0335 | IB Dance | IB Dance | 05012 | E | 1 |
| 50.0300 | Dance, Other | Dance—Other | 05049 | G | 1 |
| 50.0511 | Stagecraft 1; Acting Fundamentals 1; Theater Arts 1 | Theater Arts | 05052 | G | 1 |
| 50.0512 | Stagecraft 2; Stage Design and Stagecraft 2; Play Production 2; Dramatics 2; Acting Fundamentals 2 | Theater Arts | 05052 | G | 2 |
| 50.0513 | Stagecraft 3; Dramatics 3; Theater Projects 3; Theater Production 3; Acting Fundamentals 3; Play Production 3; Acting Workshop | Theater Arts | 05052 | G | 3 |
| 50.0514 | Stagecraft 4; Dramatics 4; Theater Projects 4; Acting Fundamentals 4; Play Production 4; Theater Workshop 4 | Theater Arts | 05052 | G | 4 |
| 50.0521 | Improvisation and Mime | Drama—Acting/Performance | 05055 | G | 1 |
| 50.0421 | Theater Makeup | Theater—Stagecraft | 05056 | G | 1 |
| 50.0431 | Lighting Fundamentals, Theater | Theater—Stagecraft | 05056 | G | 1 |
| 50.0531 | Playwriting | Playwriting and Screenwriting | 05058 | G | 1 |
| 50.0551 | Drama, History | History and Literature of the Theater | 05059 | G | 1 |
| 50.0965 | Music Theater; American Musical Theater; Jazz and Stage Ensemble; Mixed Ensembles (Instrumental/Vocal) Theater Music Workshop | Musical Theater | 05060 | G | 1 |
| 50.0571 | IB Theater I | IB Theatre | 05062 | E | 1 |
| 50.0572 | IB Theater II | IB Theatre | 05062 | E | 2 |
| 50.0541 | Theater Practicum Contract | Theater—Independent Study | 05097 | G | 1 |
| 50.0561 | Drama, Independent Study | Theater—Independent Study | 05097 | G | 1 |
| 50.0500 | Dramatic Arts, Other | Drama—Other | 05099 | G | 1 |
| 50.0903 | Band 7 - Middle School Level | General Band | 05101 | G | 1 |
| 50.0904 | Band 7, Advanced - Middle School Level | General Band | 05101 | E | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|---|------------------|--------------|-----------------|
| 50.0905 | Band 8 - Middle School Level | General Band | 05101 | G | 1 |
| 50.0906 | Band 8, Advanced - Middle School Level | General Band | 05101 | E | 1 |
| 50.0907 | Band 9 - Middle School Level | General Band | 05101 | G | 1 |
| 50.0908 | Band 9, Advanced - Middle School Level | General Band | 05101 | E | 1 |
| 50.0909 | Band, Concert | Concert Band | 05102 | G | 1 |
| 50.0910 | Band, Marching | Marching Band | 05103 | G | 1 |
| 50.0911 | Band, Symphonic; Senior Band Front | Orchestra | 05104 | G | 1 |
| 50.0912 | Orchestra 7 - Middle School Level | Orchestra | 05104 | G | 1 |
| 50.0913 | Orchestra 7, Advanced - Middle School Level | Orchestra | 05104 | E | 1 |
| 50.0914 | Orchestra 8 - Middle School Level | Orchestra | 05104 | G | 1 |
| 50.0915 | Orchestra 8, Advanced - Middle School Level | Orchestra | 05104 | E | 1 |
| 50.0916 | Orchestra 1 | Orchestra | 05104 | G | 1 |
| 50.0917 | Orchestra 1, Advanced | Orchestra | 05104 | E | 1 |
| 50.0918 | Orchestra 2 | Orchestra | 05104 | G | 2 |
| 50.0919 | Orchestra 3; Concert Orchestra | Orchestra | 05104 | G | 3 |
| 50.0920 | Orchestra 4; Symphonic Orchestra | Orchestra | 05104 | G | 4 |
| 50.0926 | Ensemble, Instrumental; Stage Band; Music on Stage; Jazz Ensemble | Instrumental Ensembles | 05106 | G | 1 |
| 50.0931 | Piano 1; Keyboard | Piano | 05107 | G | 1 |
| 50.0932 | Piano 2 | Piano | 05107 | G | 2 |
| 50.0927 | Guitar, Beginning | Guitar | 05108 | G | 1 |
| 50.0928 | Guitar, Intermediate | Guitar | 05108 | G | 2 |
| 50.0929 | Guitar, Advanced | Guitar | 05108 | G | 3 |
| 50.0922 | Brass and Percussion Class | Individual Technique—Instrumental Music | 05109 | G | 1 |
| 50.0923 | Wind Ensemble; Brasswind | Individual Technique—Instrumental Music | 05109 | G | 1 |
| 50.0924 | Woodwind Class | Individual Technique—Instrumental Music | 05109 | G | 1 |
| 50.0930 | Handbells | Individual Technique—Instrumental Music | 05109 | G | 1 |
| 50.0933 | Organ | Individual Technique—Instrumental Music | 05109 | G | 1 |
| 50.0935 | Chorus 7 - Middle School Level | Chorus | 05110 | G | 1 |
| 50.0936 | Chorus 7, Advanced - Middle School Level | Chorus | 05110 | E | 1 |
| 50.0937 | Chorus 8 - Middle School Level | Chorus | 05110 | G | 1 |
| 50.0938 | Chorus 8, Advanced - Middle School Level | Chorus | 05110 | E | 1 |
| 50.0939 | Chorus 1 | Chorus | 05110 | G | 1 |
| 50.0940 | Chorus 1, Advanced | Chorus | 05110 | E | 1 |
| 50.0941 | Chorus 2 | Chorus | 05110 | G | 1 |
| 50.0942 | Chorus 2, Advanced | Chorus | 05110 | E | 1 |
| 50.0943 | Chorus 3 | Chorus | 05110 | G | 1 |
| 50.0944 | Chorus 3, Advanced | Chorus | 05110 | E | 1 |
| 50.0945 | Chorus 4 | Chorus | 05110 | G | 1 |
| 50.0946 | Chorus 4, Advanced | Chorus | 05110 | E | 1 |
| 50.0947 | Vocal Ensemble; Madrigal Singers; Concert Chorale; Glee Club; Pop Rock Ensemble; Barbershop Octet; Chamber Singers; A Capella Choir | Vocal Ensemble | 05111 | G | 1 |
| 50.0934 | Music Lessons, Applied | Individual Technique—Vocal Music | 05112 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|----------------------------------|------------------|--------------|-----------------|
| 50.0948 | Voice Class; Ear Training and Sight Singing | Individual Technique—Vocal Music | 05112 | G | 1 |
| 50.0952 | Music Theory; Musicianship | Music Theory | 05113 | G | 1 |
| 50.0969 | AP Music Theory | AP Music Theory | 05114 | E | 1 |
| 50.0968 | IB Music I | IB Music | 05115 | E | 1 |
| 50.0971 | IB Music II | IB Music | 05115 | E | 2 |
| 50.0959 | Music Literature 1; Traditional Music 1, Survey | Music History/Appreciation | 05116 | G | 1 |
| 50.0960 | Music Literature 2; Traditional Music 2, Survey | Music History/Appreciation | 05116 | G | 2 |
| 50.0961 | Music Literature 3; Traditional Music 3, Survey | Music History/Appreciation | 05116 | G | 3 |
| 50.0962 | Music Literature 4; Traditional Music 4, Survey | Music History/Appreciation | 05116 | G | 4 |
| 50.0953 | Music History 7 - Middle School Level | Music History | 05117 | G | 1 |
| 50.0954 | Music History 8; Music Through the Ages - Middle School Level | Music History | 05117 | G | 1 |
| 50.0955 | Music History 1; Contemporary Music 1; Pop Music History 9 - Middle School Level | Music History | 05117 | G | 1 |
| 50.0956 | Music History 2; Contemporary Music 2; Pop Music History 2 | Music History | 05117 | G | 2 |
| 50.0957 | Music History 3; Contemporary Music 3; Pop Music History 3 | Music History | 05117 | G | 3 |
| 50.0958 | Music History 4; Contemporary Music 4; Pop Music History 4 | Music History | 05117 | G | 4 |
| 50.0963 | Music Appreciation; Adventures in Listening | Music Appreciation | 05118 | G | 1 |
| 50.0949 | Harmony and Composition; Composition, Musical | Composition/Songwriting | 05119 | G | 1 |
| 50.0921 | Instrumental String Class | Strings | 05120 | G | 1 |
| 50.0964 | Folk Music, Ethnic | Culturally Influenced Ensemble | 05122 | G | 1 |
| 50.0925 | Electronic Music, Introduction | Technology/Electronic Music | 05124 | G | 1 |
| 50.0901 | Music 7; Music Introduction - Middle School Level | Music (grade 7) | 05137 | G | 1 |
| 50.0902 | Music 8 - Middle School Level | Music (grade 8) | 05138 | G | 1 |
| 50.0966 | Music, Independent Study; Symphony and Lecture Series; Music Reading and Conference | Music—Independent Study | 05147 | G | 1 |
| 50.0900 | Music, Other | Music—Other | 05149 | G | 1 |
| 50.0950 | Arranging; Orchestration | Music—Other | 05149 | G | 1 |
| 50.0951 | Conducting | Music—Other | 05149 | G | 1 |
| 50.0967 | Music Laboratory, General Survey | Music—Other | 05149 | G | 1 |
| 50.0726 | Art History and Appreciation; Arts and the Masters | Art History | 05152 | G | 1 |
| 50.0729 | Bicultural Art | Art History | 05152 | G | 1 |
| 50.0731 | Ethnic Art History | Art History | 05152 | G | 1 |
| 50.0732 | Art As A Multicultural Study | Art History | 05152 | G | 1 |
| 50.0733 | AP Art History | AP Art History | 05153 | E | 1 |
| 50.0703 | Art, General; Survey Media; Studio in Art; Fine Arts Studio; Studio Art Laboratory; Arts and Crafts Studio | Visual Arts—Comprehensive | 05154 | G | 1 |
| 50.0704 | Art 1; Art 9 | Visual Arts—Comprehensive | 05154 | G | 1 |
| 50.0705 | Art 2; Art 10 | Visual Arts—Comprehensive | 05154 | G | 2 |
| 50.0706 | Art 3; Art 11 | Visual Arts—Comprehensive | 05154 | G | 3 |

See notes at end of table.

Table A-1. C

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|---------------------------------|------------------|--------------|-----------------|
| 50.0714 | Drawing; Drawing and Painting; Two Dimensional Design; Drawing and Color; Drawing Techniques | Visual Arts—Drawing/Painting | 05155 | G | 1 |
| 50.0724 | Life Drawing; Figure Drawing; Portraiture | Visual Arts—Drawing | 05156 | G | 1 |
| 50.0715 | Painting 1 | Visual Arts—Painting | 05157 | G | 1 |
| 50.0716 | Painting 2 | Visual Arts—Painting | 05157 | G | 2 |
| 50.0717 | Watercolor; Watercolor Painting; Watercolors and Airbrush | Visual Arts—Painting | 05157 | G | 1 |
| 50.0720 | Sculpture; Three Dimensional Art; Three Dimensional Design; Wood and Stone Carving; Plastic Arts | Visual Arts—Sculpture | 05158 | G | 1 |
| 50.0221 | Crafts 3, Advanced; Creative Crafts 3, Advanced; Design Crafts 3, Advanced | Ceramics/Pottery | 05159 | G | 3 |
| 50.0222 | Crafts 4, Advanced | Ceramics/Pottery | 05159 | G | 4 |
| 50.0261 | Ceramics 7 - Middle School Level | Ceramics/Pottery | 05159 | G | 1 |
| 50.0262 | Ceramics 8 - Middle School Level | Ceramics/Pottery | 05159 | G | 1 |
| 50.0263 | Ceramics 1 | Ceramics/Pottery | 05159 | G | 1 |
| 50.0264 | Ceramics 2; Pottery 1 | Ceramics/Pottery | 05159 | G | 2 |
| 50.0265 | Ceramics 3; Pottery 2 | Ceramics/Pottery | 05159 | G | 3 |
| 50.0266 | Ceramics 4; Pottery 3 | Ceramics/Pottery | 05159 | G | 4 |
| 50.0291 | Printmaking 1; Printer's Ink | Printmaking | 05161 | G | 1 |
| 50.0292 | Printmaking 2 | Printmaking | 05161 | G | 2 |
| 50.0411 | Graphic Design | Visual Communications Design | 05162 | G | 1 |
| 50.0271 | Textile Design; Art Textiles, Fiber Design; Weaving and Dyeing | Textiles | 05164 | G | 1 |
| 50.0200 | Crafts, Other | Crafts | 05165 | G | 1 |
| 50.0211 | Crafts 7 - Middle School Level | Crafts | 05165 | G | 1 |
| 50.0212 | Crafts 8 - Middle School Level | Crafts | 05165 | G | 1 |
| 50.0213 | Crafts 1; Creative Crafts 1 | Crafts | 05165 | G | 1 |
| 50.0214 | Crafts 2; Creative Crafts 2; Applied Art 2; Home Decorative Crafts 1 | Crafts | 05165 | G | 2 |
| 50.0215 | Crafts 3; Creative Crafts 3; Applied Art 3; Home Decorative Crafts 2 | Crafts | 05165 | G | 3 |
| 50.0216 | Crafts 4; Creative Crafts 4; Applied Art 4 | Crafts | 05165 | G | 4 |
| 50.0231 | Decorator Crafts | Crafts | 05165 | G | 1 |
| 50.0722 | Assemblage | Crafts | 05165 | G | 1 |
| 50.0241 | Enameling | Jewelry | 05166 | G | 1 |
| 50.0251 | Jewelry 1; Art Metals 1 | Jewelry | 05166 | G | 1 |
| 50.0252 | Jewelry 2; Art Metals 2 | Jewelry | 05166 | G | 2 |
| 50.0253 | Jewelry 3; Art Metals 3 | Jewelry | 05166 | G | 3 |
| 50.0254 | Jewelry 4; Art Metals 4 | Jewelry | 05166 | G | 4 |
| 50.0621 | Photography 1 | Photography | 05167 | G | 1 |
| 50.0622 | Photography 2, Elementary; Visual Composition | Photography | 05167 | G | 2 |
| 50.0623 | Photography 3, Elementary | Photography | 05167 | G | 3 |
| 50.0631 | Photography 2, Advanced | Photography | 05167 | H | 2 |
| 50.0632 | Photography 3, Advanced | Photography | 05167 | H | 3 |
| 50.0600 | Film Arts, Other | Cinematography/Video Production | 05168 | G | 1 |
| 50.0611 | Film Study; Film Criticism; Film Appreciation | Cinematography/Video Production | 05168 | G | 1 |
| 50.0811 | Computer Graphics Design; Computer Art | Multimedia Art | 05169 | G | 1 |
| 50.0707 | Art 4; Art 12 | Art Portfolio | 05170 | G | 1 |
| 50.0734 | AP Studio Art/General | AP Studio Art—General Portfolio | 05171 | E | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|---|------------------|--------------|-----------------|
| 50.0735 | AP Studio Art/Drawing | AP Studio Art—Drawing Portfolio | 05172 | E | 1 |
| 50.0736 | IB Art Studies I | IB Art/Design | 05173 | E | 1 |
| 50.0737 | IB Art Studio I | IB Art/Design | 05173 | E | 1 |
| 50.0740 | IB Art Studies II | IB Art/Design | 05173 | E | 2 |
| 50.0741 | IB Art Studio II | IB Art/Design | 05173 | E | 2 |
| 50.0742 | IB Art I | IB Art/Design | 05173 | E | 1 |
| 50.0743 | IB Art II | IB Art/Design | 05173 | E | 2 |
| 50.0738 | AP Studio Art/2-D Design | AP Studio Art—Two-Dimensional | 05174 | E | 1 |
| 50.0739 | AP Studio Art/3-D Design | AP Studio Art—Three-Dimensional | 05174 | E | 1 |
| 50.0725 | Calligraphy | Calligraphy/Lettering | 05176 | G | 1 |
| 50.0718 | Cartooning | Animation | 05177 | G | 1 |
| 50.0701 | Fine Arts 7; Art 7 - Middle School Level | Art (grade 7) | 05188 | G | 1 |
| 50.0702 | Fine Arts 8; Art 8 - Middle School Level | Art (grade 8) | 05189 | G | 1 |
| 50.0723 | Product Design; Design; Color and Design | Industrial Design | 05191 | G | 1 |
| 04.0221 | Architectural Theory | Architectural Design | 05192 | G | 1 |
| 04.0300 | City, Community, and Regional Planning, Other | Architectural Design | 05192 | G | 1 |
| 04.0400 | Environmental Design, Other | Architectural Design | 05192 | G | 1 |
| 04.0700 | Urban Design, Other | Architectural Design | 05192 | G | 1 |
| 04.9900 | Architecture and Environmental Design, Other | Architectural Design | 05192 | G | 1 |
| 04.0500 | Interior Design, Other | Interior Design | 05193 | G | 1 |
| 04.0511 | Interior Design | Interior Design | 05193 | G | 1 |
| 50.0613 | IB Film Studies | IB Film | 05194 | E | 1 |
| 50.0708 | Art 1, Independent Study | Visual Art—Independent Study | 05197 | G | 1 |
| 50.0709 | Art 2, Independent Study; Senior Studio Art | Visual Art—Independent Study | 05197 | G | 2 |
| 50.0400 | Design, Other | Visual Arts—Other | 05199 | G | 1 |
| 50.0800 | Graphic Arts Technology, Other | Visual Arts—Other | 05199 | G | 1 |
| 50.0111 | Aesthetics; Art/Music/Drama/Dance Survey | Interdisciplinary Arts | 05201 | G | 1 |
| 50.0612 | Language of the Cinema | Film Appreciation and Analysis | 05203 | G | 1 |
| 50.0711 | Art Services 1; School Beautification 1 | Visual and Performing Art—Aide | 05995 | G | 1 |
| 50.0712 | Art Services 2; School Beautification 2 | Visual and Performing Art—Aide | 05995 | G | 2 |
| 50.0713 | Art Services 3; School Beautification 3 | Visual and Performing Art—Aide | 05995 | G | 3 |
| 50.0730 | Artist in Residence Program | Visual and Performing Art—Independent Study | 05997 | G | 1 |
| 50.0100 | Visual and Performing Arts, Other General | Visual and Performing Art—Other | 05999 | G | 1 |
| 50.0281 | Model Building | Visual and Performing Art—Other | 05999 | G | 1 |
| 50.0700 | Fine Arts, Other | Visual and Performing Art—Other | 05999 | G | 1 |
| 50.0719 | Mural Painting | Visual and Performing Art—Other | 05999 | G | 1 |
| 50.0727 | Black Fine Arts | Visual and Performing Art—Other | 05999 | G | 1 |
| 50.0728 | Mexico, Fine Arts | Visual and Performing Art—Other | 05999 | G | 1 |
| 50.9900 | Visual and Performing Arts, Other | Visual and Performing Art—Other | 05999 | G | 1 |
| 16.0931 | Spanish 7; Spanish for Survival - Middle School Level | Spanish | 06100 | G | 1 |
| 16.0932 | Spanish 8 - Middle School Level | Spanish | 06100 | G | 1 |
| 16.0933 | Spanish 1; Spanish 9; Spanish, Beginning | Spanish I | 06101 | G | 1 |
| 16.0934 | Spanish 2; Spanish 10 | Spanish II | 06102 | G | 1 |
| 16.0935 | Spanish 3; Spanish 11; Spanish, Intermediate | Spanish III | 06103 | G | 1 |
| 16.0936 | Spanish 4 | Spanish IV | 06104 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|-------------------------------------|------------------|--------------|-----------------|
| 16.0937 | Spanish 5 | Spanish V | 06105 | G | 1 |
| 16.0940 | Spanish for Native Speakers (Changed to 16.1311-16.1315) | Spanish for Native Speakers | 06106 | G | 1 |
| 16.1311 | Spanish for Native Speakers 1 | Spanish for Native Speakers | 06106 | G | 1 |
| 16.1312 | Spanish for Native Speakers 2 | Spanish for Native Speakers | 06106 | G | 2 |
| 16.1313 | Spanish for Native Speakers 3 | Spanish for Native Speakers | 06106 | G | 3 |
| 16.1314 | Spanish for Native Speakers 4 | Spanish for Native Speakers | 06106 | G | 4 |
| 16.1315 | Spanish for Native Speakers 5 | Spanish for Native Speakers | 06106 | G | 5 |
| 16.0938 | Spanish Field-Based Experience; Spanish Seminar | Spanish Field Experience | 06107 | G | 1 |
| 16.0941 | Spanish for Travelers | Spanish Conversation and Culture | 06108 | G | 1 |
| 16.0945 | IB Spanish 4 | IB Language A (non-English)—Spanish | 06111 | E | 1 |
| 16.0946 | IB Spanish 5 | IB Language B—Spanish | 06111 | E | 2 |
| 16.0951 | AP Spanish Language | AP Spanish Language and Culture | 06112 | E | 1 |
| 16.0952 | AP Spanish Literature | AP Spanish Literature and Culture | 06113 | E | 1 |
| 16.0901 | French 7 - Middle School Level | French | 06120 | G | 1 |
| 16.0902 | French 8 - Middle School Level | French | 06120 | G | 1 |
| 16.0903 | French 1; French 9 | French I | 06121 | G | 1 |
| 16.0904 | French 2; French 10 | French II | 06122 | G | 1 |
| 16.0905 | French 3; French 11 | French III | 06123 | G | 1 |
| 16.0906 | French 4; French 12 | French IV | 06124 | G | 1 |
| 16.0907 | French 5 | French V | 06125 | G | 1 |
| 16.1361 | French for Native Speakers 1 | French for Native Speakers | 06126 | G | 1 |
| 16.1362 | French for Native Speakers 2 | French for Native Speakers | 06126 | G | 2 |
| 16.1363 | French for Native Speakers 3 | French for Native Speakers | 06126 | G | 3 |
| 16.1364 | French for Native Speakers 4 | French for Native Speakers | 06126 | G | 4 |
| 16.0908 | French Field-Based Experience; French Seminar; French Reading and Conference; French for Travelers | French Field Experience | 06127 | G | 1 |
| 16.0910 | French, Conversational | French Conversation and Culture | 06128 | G | 1 |
| 16.0943 | IB French 4 | IB Language A (non-English)—French | 06131 | E | 1 |
| 16.0944 | IB French 5 | IB Language B—French | 06131 | E | 2 |
| 16.0949 | AP French Language | AP French Language and Culture | 06132 | E | 1 |
| 16.0950 | AP French Literature | AP French Literature | 06133 | E | 1 |
| 16.0911 | Italian 7 - Middle School Level | Italian | 06140 | G | 1 |
| 16.0912 | Italian 8 - Middle School Level | Italian | 06140 | G | 1 |
| 16.0913 | Italian 1; Italian 9 | Italian I | 06141 | G | 1 |
| 16.0914 | Italian 2; Italian 10 | Italian II | 06142 | G | 1 |
| 16.0915 | Italian 3; Italian 11 | Italian III | 06143 | G | 1 |
| 16.0916 | Italian 4; Italian 12 | Italian IV | 06144 | G | 1 |
| 16.0917 | Italian 5 | Italian V | 06145 | G | 1 |
| 16.1331 | Italian for Native Speakers 1 | Italian for Native Speakers | 06146 | G | 1 |
| 16.1332 | Italian for Native Speakers 2 | Italian for Native Speakers | 06146 | G | 2 |
| 16.1333 | Italian for Native Speakers 3 | Italian for Native Speakers | 06146 | G | 3 |
| 16.0918 | Italian Field-Based Experience | Italian Field Experience | 06147 | G | 1 |
| 16.0955 | AP Italian Language and Culture | AP Italian Language and Culture | 06152 | E | 1 |
| 16.0926 | Portuguese 1 | Portuguese I | 06161 | G | 1 |
| 16.0927 | Portuguese 2 | Portuguese II | 06162 | G | 1 |
| 16.0928 | Portuguese 3 | Portuguese III | 06163 | G | 1 |
| 16.0929 | Portuguese 4 | Portuguese IV | 06164 | G | 1 |
| 16.0930 | Portuguese 5 | Portuguese V | 06165 | G | 1 |
| 16.1321 | Portuguese for Native Speakers 1 | Portuguese for Native Speakers | 06166 | G | 1 |
| 16.1322 | Portuguese for Native Speakers 2 | Portuguese for Native Speakers | 06166 | G | 2 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|--|------------------|--------------|-----------------|
| 16.1323 | Portuguese for Native Speakers 3 | Portuguese for Native Speakers | 06166 | G | 3 |
| 16.1324 | Portuguese for Native Speakers 4 | Portuguese for Native Speakers | 06166 | G | 4 |
| 16.0900 | Italic Languages, Other | Romance/Italic Language—Other | 06199 | G | 1 |
| 16.0942 | Spanish, Commercial; Spanish, Job Related | Romance/Italic Language—Other | 06199 | G | 1 |
| 16.0511 | German 7; German for Survival - Middle School Level | German | 06200 | G | 1 |
| 16.0512 | German 8 - Middle School Level | German | 06200 | G | 1 |
| 16.0513 | German 1; German 9 | German I | 06201 | G | 1 |
| 16.0514 | German 2; German 10 | German II | 06202 | G | 1 |
| 16.0515 | German 3; German 11 | German III | 06203 | G | 1 |
| 16.0516 | German 4; German 12 | German IV | 06204 | G | 1 |
| 16.0517 | German 5 | German V | 06205 | G | 1 |
| 16.0518 | German Field-Based Experience; German, Reading and Conference | German Field Experience | 06207 | G | 1 |
| 16.0544 | IB German 4 | IB Language A (non-English)—German | 06211 | E | 1 |
| 16.0545 | IB German 5 | IB Language B—German | 06211 | E | 2 |
| 16.0546 | AP German Language | AP German Language and Culture | 06212 | E | 1 |
| 16.0501 | Dutch 1 | Germanic Language I | 06241 | G | 1 |
| 16.0521 | Norwegian 1; Norse 1 | Germanic Language I | 06241 | G | 1 |
| 16.0531 | Swedish 1 | Germanic Language I | 06241 | G | 1 |
| 16.0541 | Yiddish 1 | Germanic Language I | 06241 | G | 1 |
| 16.0502 | Dutch 2 | Germanic Language II | 06242 | G | 1 |
| 16.0522 | Norwegian 2; Norse 2 | Germanic Language II | 06242 | G | 1 |
| 16.0532 | Swedish 2 | Germanic Language II | 06242 | G | 1 |
| 16.0542 | Yiddish 2 | Germanic Language II | 06242 | G | 1 |
| 16.0503 | Dutch 3 | Germanic Language III | 06243 | G | 1 |
| 16.0533 | Swedish 3 | Germanic Language III | 06243 | G | 1 |
| 16.0543 | Yiddish 3 | Germanic Language III | 06243 | G | 1 |
| 16.0500 | Germanic Languages, Other | Germanic Language—Other | 06259 | G | 1 |
| 16.0621 | Modern Greek | Greek I | 06281 | G | 1 |
| 16.0622 | Modern Greek 2 | Greek II | 06282 | G | 1 |
| 16.0623 | Modern Greek 3 | Greek III | 06283 | G | 1 |
| 16.0624 | Modern Greek 4 | Greek IV | 06284 | G | 1 |
| 16.0600 | Greek, Other | Greek—Other | 06299 | G | 1 |
| 16.0611 | Modern Greek for Survival | Greek—Other | 06299 | G | 1 |
| 16.0920 | Latin 1; Latin 9; Latin Graffiti for Anybody | Latin I | 06301 | G | 1 |
| 16.0921 | Latin 2 | Latin II | 06302 | G | 1 |
| 16.0922 | Latin 3 | Latin III | 06303 | G | 1 |
| 16.0923 | Latin 4 | Latin IV | 06304 | G | 1 |
| 16.0924 | Latin 5 | Latin V | 06305 | G | 1 |
| 16.0953 | IB Latin 4 | IB Classical Languages—Latin | 06311 | E | 1 |
| 16.0954 | IB Latin 5 | IB Classical Languages—Latin | 06311 | E | 2 |
| 16.0947 | AP Latin Literature; AP Latin | AP Latin (Virgil, Catullus and Horace) | 06313 | E | 1 |
| 16.0948 | AP Latin: Vergil | AP Latin (Virgil, Catullus and Horace) | 06313 | E | 1 |
| 16.0631 | Classical Greek 1 | Classical Greek I | 06321 | G | 1 |
| 16.0632 | Classical Greek 2 | Classical Greek II | 06322 | G | 1 |
| 16.0633 | Classical Greek 3 | Classical Greek III | 06323 | G | 1 |
| 16.0634 | Classical Greek 4 | Classical Greek IV | 06324 | G | 1 |
| 16.0321 | Mandarin 1 | Chinese I | 06401 | G | 1 |
| 16.0322 | Mandarin 2 | Chinese II | 06402 | G | 1 |
| 16.0323 | Mandarin 3 | Chinese III | 06403 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|----------------------------------|----------------------------------|------------------|--------------|-----------------|
| 16.0324 | Mandarin 4 | Chinese IV | 06404 | G | 1 |
| 16.0325 | Mandarin 5 | Chinese V | 06405 | G | 1 |
| 16.1351 | Chinese for Native Speakers 1 | Chinese for Native Speakers | 06406 | G | 1 |
| 16.1352 | Chinese for Native Speakers 2 | Chinese for Native Speakers | 06406 | G | 2 |
| 16.1353 | Chinese for Native Speakers 3 | Chinese for Native Speakers | 06406 | G | 3 |
| 16.1354 | Chinese for Native Speakers 4 | Chinese for Native Speakers | 06406 | G | 4 |
| 16.0326 | IB Chinese 4 | IB Language B—Chinese | 06411 | E | 1 |
| 16.0327 | IB Chinese 5 | IB Language B—Chinese | 06411 | E | 2 |
| 16.0328 | AP Chinese Language and Culture | AP Chinese Language and Culture | 06412 | E | 1 |
| 16.0331 | Japanese 1 | Japanese I | 06421 | G | 1 |
| 16.0332 | Japanese 2 | Japanese II | 06422 | G | 1 |
| 16.0333 | Japanese 3 | Japanese III | 06423 | G | 1 |
| 16.0334 | Japanese 4 | Japanese IV | 06424 | G | 1 |
| 16.0335 | Japanese 5 | Japanese V | 06425 | G | 1 |
| 16.1341 | Japanese for Native Speakers 1 | Japanese for Native Speakers | 06426 | G | 1 |
| 16.1342 | Japanese for Native Speakers 2 | Japanese for Native Speakers | 06426 | G | 2 |
| 16.1343 | Japanese for Native Speakers 3 | Japanese for Native Speakers | 06426 | G | 3 |
| 16.1344 | Japanese for Native Speakers 4 | Japanese for Native Speakers | 06426 | G | 4 |
| 16.0337 | IB Japanese 4 | IB Language B—Japanese | 06431 | E | 1 |
| 16.0338 | IB Japanese 5 | IB Language B—Japanese | 06431 | E | 2 |
| 16.0339 | AP Japanese Language and Culture | AP Japanese Language and Culture | 06432 | E | 1 |
| 16.0351 | Korean 1 | Korean I | 06441 | G | 1 |
| 16.0352 | Korean 2 | Korean II | 06442 | G | 1 |
| 16.0353 | Korean 3 | Korean III | 06443 | G | 1 |
| 16.0354 | Korean 4 | Korean IV | 06444 | G | 1 |
| 16.0355 | Korean 5 | Korean V | 06445 | G | 1 |
| 16.0311 | Cantonese 1 | East Asian Language I | 06481 | G | 1 |
| 16.0312 | Cantonese 2 | East Asian Language II | 06482 | G | 1 |
| 16.0313 | Cantonese 3 | East Asian Language III | 06483 | G | 1 |
| 16.0314 | Cantonese 4 | East Asian Language IV | 06484 | G | 1 |
| 16.0300 | Asiatic Languages, Other | East Asian Language—Other | 06499 | G | 1 |
| 16.0421 | Russian 1 | Russian I | 06601 | G | 1 |
| 16.0422 | Russian 2 | Russian II | 06602 | G | 1 |
| 16.0423 | Russian 3 | Russian III | 06603 | G | 1 |
| 16.0424 | Russian 4 | Russian IV | 06604 | G | 1 |
| 16.0425 | Russian 5 | Russian V | 06605 | G | 1 |
| 16.0428 | AP Russian Language and Culture | Russian Conversation and Culture | 06608 | E | 1 |
| 16.0426 | Russian 6 | Russian Literature | 06609 | G | 1 |
| 16.0455 | IB Russian 4 | IB Language—Russian | 06611 | E | 1 |
| 16.0456 | IB Russian 5 | IB Language—Russian | 06611 | E | 2 |
| 16.0411 | Ukrainian 1 | Balto-Slavic Language I | 06641 | G | 1 |
| 16.0431 | Czech 1 | Balto-Slavic Language I | 06641 | G | 1 |
| 16.0441 | Polish 1 | Balto-Slavic Language I | 06641 | G | 1 |
| 16.0432 | Czech 2 | Balto-Slavic Language II | 06642 | G | 1 |
| 16.0433 | Czech 3 | Balto-Slavic Language III | 06642 | G | 1 |
| 16.0442 | Polish 2 | Balto-Slavic Language II | 06642 | G | 1 |
| 16.0443 | Polish 3 | Balto-Slavic Language III | 06643 | G | 1 |
| 16.0444 | Polish 4 | Balto-Slavic Language IV | 06644 | G | 1 |
| 16.0400 | Balto-Slavic Languages, Other | Balto-Slavic Language—Other | 06659 | G | 1 |
| 16.0451 | Finnish 1 | Turkic/Ural-Altaic Language I | 06661 | G | 1 |
| 16.1211 | Turkish 1 | Turkic/Ural-Altaic Language I | 06661 | G | 1 |
| 16.0452 | Finnish 2 | Turkic/Ural-Altaic Language II | 06662 | G | 1 |
| 16.1212 | Turkish 2 | Turkic/Ural-Altaic Language II | 06662 | G | 1 |
| 16.0453 | Finnish 3 | Turkic/Ural-Altaic Language III | 06663 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|---|------------------|--------------|-----------------|
| 16.0454 | Finnish 4 | Turkic/Ural-Altaic Language IV | 06664 | G | 1 |
| 16.1200 | Indo-European Languages, Other | Turkic/Ural-Altaic Language—Other | 06679 | G | 1 |
| 16.0800 | Iranian Languages, Other | Iranian/Persian Language—Other | 06699 | G | 1 |
| 16.1111 | Hebrew 1 | Hebrew I | 06701 | G | 1 |
| 16.1112 | Hebrew 2 | Hebrew II | 06702 | G | 1 |
| 16.1113 | Hebrew 3 | Hebrew III | 06703 | G | 1 |
| 16.1114 | Hebrew 4 | Hebrew IV | 06704 | G | 1 |
| 16.1115 | Arabic 1 | Arabic I | 06721 | G | 1 |
| 16.1116 | Arabic 2 | Arabic II | 06722 | G | 1 |
| 16.1117 | Arabic 3 | Arabic III | 06723 | G | 1 |
| 16.1118 | Arabic 4 | Arabic IV | 06724 | G | 1 |
| 16.1100 | Semitic Languages, Other | Semitic and Near/Middle Eastern Languages—Other | 06759 | G | 1 |
| 16.0211 | Swahili 1 | Swahili I | 06761 | G | 1 |
| 16.0212 | Swahili 2 | Swahili II | 06762 | G | 1 |
| 16.0221 | Amharic 1 (Ethiopian) | Non-Semitic African Language I | 06781 | G | 1 |
| 16.0222 | Amharic 2 (Ethiopian) | Non-Semitic African Language II | 06782 | G | 1 |
| 16.0200 | African (Non-Semitic) Languages, Other | Non-Semitic African Language—Other | 06799 | G | 1 |
| 09.0811 | Sign Language 1; Signing 1 | American Sign Language I | 06801 | G | 1 |
| 09.0812 | Sign Language 2; Signing 2 | American Sign Language II | 06802 | G | 2 |
| 09.0813 | Sign Language 3; Advanced Sign Language | American Sign Language III | 06803 | G | 3 |
| 16.1000 | Native American Languages, Other | American Indian Language—Other | 06839 | G | 1 |
| 16.0700 | Indic Languages, Other | Indic Language—Other | 06859 | G | 1 |
| 16.0341 | Hawaiian 1 | Malayo-Polynesian Language I | 06861 | G | 1 |
| 16.0342 | Hawaiian 2 | Malayo-Polynesian Language II | 06862 | G | 1 |
| 16.0343 | Hawaiian 3 | Malayo-Polynesian Language III | 06863 | G | 1 |
| 16.0344 | Hawaiian 4 | Malayo-Polynesian Language IV | 06864 | G | 1 |
| 16.0345 | Hawaiian Language and Culture | Malayo-Polynesian Language Conversation and Culture | 06868 | G | 1 |
| 16.0336 | Foreign Language Contract, Japanese; Independent Study, Japanese | Foreign Language and Literature—Independent Study | 06997 | G | 1 |
| 16.0427 | Foreign Language Contract, Russian; Independent Study, Russian | Foreign Language and Literature—Independent Study | 06997 | G | 1 |
| 16.0519 | Foreign Language Contract, German; Independent Study, German | Foreign Language and Literature—Independent Study | 06997 | G | 1 |
| 16.0909 | Foreign Language Contract, French; Independent Study, French | Foreign Language and Literature—Independent Study | 06997 | G | 1 |
| 16.0919 | Foreign Language Contract, Italian; Independent Study, Italian | Foreign Language and Literature—Independent Study | 06997 | G | 1 |
| 16.0925 | Foreign Language Contract, Latin; Independent Study, Latin | Foreign Language and Literature—Independent Study | 06997 | G | 1 |
| 16.0939 | Foreign Language Contract, Spanish; Independent Study, Spanish | Foreign Language and Literature—Independent Study | 06997 | G | 1 |
| 16.1119 | Foreign Language Contract - Arabic; Independent Study, Arabic | Foreign Language and Literature—Independent Study | 06997 | G | 1 |
| 16.0100 | Foreign Languages, Multiple Emphasis, Other | Foreign Language and Literature—Other | 06999 | G | 1 |
| 16.0111 | Foreign Language, Exploratory | Foreign Language and Literature—Other | 06999 | G | 1 |
| 16.1300 | Non-English Languages for Native Speaker, Other | Foreign Language and Literature—Other | 06999 | G | 1 |
| 16.9900 | Foreign Languages, Other | Foreign Language and Literature—Other | 06999 | G | 1 |
| 38.0201 | Catholicism, Foundations; Ritual and Symbol | Religious Foundations | 07001 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|--|------------------|--------------|-----------------|
| 38.0212 | Religion, Introduction; Philosophy of Religion | Religious Foundations | 07001 | G | 1 |
| 38.0214 | Judaism, Foundations | Religious Foundations | 07001 | G | 1 |
| 38.0215 | Protestantism, Foundations | Religious Foundations | 07001 | G | 1 |
| 38.0217 | Islam and the Koran | Religious Foundations | 07001 | G | 1 |
| 38.0206 | Comparative Religion; Comparative Religion and Philosophical Systems | Comparative Religion | 07002 | G | 1 |
| 38.0216 | Religious Movements in America | Comparative Religions | 07002 | G | 1 |
| 39.0611 | Theological Studies | Comparative Religion | 07002 | G | 1 |
| 38.0208 | Eastern Religious Thought; Religions of the East from Hinduism to Zen | Eastern Religions | 07003 | G | 1 |
| 38.0210 | Western Religions; Religious Development In the West | Western Religions | 07004 | G | 1 |
| 38.0203 | Scripture; Testaments, Old and New; Christian and Hebrew Scriptures; Bible Studies | Scriptures | 07005 | G | 1 |
| 39.0100 | Biblical Languages, Other | Scriptures | 07005 | G | 1 |
| 39.0200 | Bible Studies, Other | Scriptures | 07005 | G | 1 |
| 38.0202 | Who Is Jesus; Person of Jesus | Christology | 07009 | G | 1 |
| 38.0207 | Sacraments | Liturgy and Prayer | 07011 | G | 1 |
| 38.0213 | Prayer and Liturgy | Liturgy and Prayer | 07011 | G | 1 |
| 38.0204 | Moral Issues, Social and Individual; Moral Thought and Decision Making | Religious Ethics and Morality | 07013 | G | 1 |
| 38.0205 | Marriage, Life Choices in Christian Living; Christian Sexuality and Marriage; Alternative Christian Lifestyles | Faith and Lifestyle | 07015 | G | 1 |
| 38.0200 | Religion, Other | Religious Education and Theology—Other | 07999 | G | 1 |
| 38.0209 | Religion and Psychology | Religious Education and Theology—Other | 07999 | G | 1 |
| 38.9900 | Philosophy and Religion, Other | Religious Education and Theology—Other | 07999 | G | 1 |
| 39.0300 | Missionary Studies, Other | Religious Education and Theology—Other | 07999 | G | 1 |
| 39.0400 | Religious Education, Other | Religious Education and Theology—Other | 07999 | G | 1 |
| 39.0500 | Religious Music, Other | Religious Education and Theology—Other | 07999 | G | 1 |
| 39.0600 | Theological Studies, Other | Religious Education and Theology—Other | 07999 | G | 1 |
| 39.9900 | Theology, Other | Religious Education and Theology—Other | 07999 | G | 1 |
| 34.0113 | Physical and Health Education 9; Physical Education 9; Health Safety and Physical Education 9 | Physical Education | 08001 | G | 1 |
| 34.0114 | Physical Education 10; Health Safety and Physical Education 10 | Physical Education | 08001 | G | 2 |
| 34.0115 | Physical Education 11; Health Safety and Physical Education 11 | Physical Education | 08001 | G | 3 |
| 34.0116 | Physical Education 12; Health Safety and Physical Education 12 | Physical Education | 08001 | G | 4 |
| 34.0123 | Physical Education - MPR 1 | Physical Education | 08001 | G | 1 |
| 34.0124 | Physical Education - MPR 3 | Physical Education | 08001 | G | 1 |
| 36.0121 | Sports, Team | Team Sports | 08002 | G | 1 |
| 36.0111 | Sports, Individual | Individual/Dual Sports | 08003 | G | 1 |
| 36.0100 | Leisure and Recreational Activities, Other | Recreation Sports | 08004 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|---|------------------|--------------|-----------------|
| 36.0191 | Recreational Activities; A Vocational Experience | Recreation Sports | 08004 | G | 1 |
| 33.0121 | Pep Squad; Cheerleading | Corps Movement | 08006 | G | 1 |
| 36.0141 | Drill Team; Band Physical Education; Color Guard | Corps Movement | 08006 | G | 1 |
| 34.0121 | Adaptive Physical Education (Multihandicapped)/(Nonregular program) | Adapted Physical Education | 08007 | G | 1 |
| 34.0129 | Adaptive Physical Education (Multihandicapped)/(Nonregular program), not for credit | Adapted Physical Education | 08007 | G | 1 |
| 54.3201 | Functional Leisure And Recreational Skills | Adapted Physical Education | 08007 | B | 1 |
| 54.3209 | Functional Leisure and Recreational Skills, not for credit | Adapted Physical Education | 08007 | B | 1 |
| 36.0131 | Gymnastics | Gymnastics | 08008 | G | 1 |
| 36.0171 | Conditioning and Athletics; Fitness; Figure Control; Weight Training and Body Development; Physical Training; Self Defense | Weight Training | 08009 | G | 1 |
| 36.0161 | Aquatics | Aquatics/Water Sports | 08010 | G | 1 |
| 36.0151 | Track and Field | Specific Sports Activities | 08013 | G | 1 |
| 34.0111 | Physical and Health Education 7; Physical Education 7 - Middle School Level | Physical Education (grade 7) | 08037 | G | 1 |
| 34.0112 | Physical and Health Education 8; Physical Education 8 - Middle School Level | Physical Education (grade 8) | 08038 | G | 1 |
| 34.0122 | Physical Education - Medically Excused | Physical Education—Other | 08049 | G | 1 |
| 36.0192 | Experiential Outdoor Education | Physical Education—Other | 08049 | G | 1 |
| 34.0131 | Health 7; Health Science 7 - Middle School Level | Health Education | 08051 | G | 1 |
| 34.0132 | Health 8; Health Science 8 - Middle School Level | Health Education | 08051 | G | 1 |
| 34.0133 | Health 9; Health Science 9 | Health Education | 08051 | G | 1 |
| 34.0134 | Health 10; Health Science 10 | Health Education | 08051 | G | 2 |
| 34.0135 | Health 11; Health Science 11 | Health Education | 08051 | G | 3 |
| 34.0136 | Health 12; Health Science 12 | Health Education | 08051 | G | 4 |
| 54.3301 | Functional Health - Middle School Level | Health Education | 08051 | B | 1 |
| 54.3302 | Functional Health - High School Level | Health Education | 08051 | B | 1 |
| 54.3309 | Functional Health, not for credit | Health Education | 08051 | B | 1 |
| 17.0421 | Community Health | Community Health | 08053 | G | 1 |
| 34.0138 | Modern Medical Issues | Community Health | 08053 | G | 1 |
| 52.0109 | Adaptive Health Education EMH | Special Needs Health Education | 08054 | G | 1 |
| 56.5001 | Resource Health | Special Needs Health Education | 08054 | B | 1 |
| 34.0171 | Life Saving | Safety and First Aid | 08055 | G | 1 |
| 34.0181 | Safety | Safety and First Aid | 08055 | G | 1 |
| 35.0161 | Wellness Life Skills | Health and Life Management | 08057 | G | 1 |
| 34.0141 | Drugs Alcohol and Tobacco | Substance Abuse Prevention | 08058 | G | 1 |
| 34.0137 | State Requirements | Health Education—Other | 08099 | G | 1 |
| 34.0191 | Sex Education; Human Sexuality and Reproduction | Health Education—Other | 08099 | G | 1 |
| 34.0151 | Driver Education, Classroom; Traffic Safety | Drivers' Education—Classroom Only | 08151 | G | 1 |
| 52.0108 | Adaptive Drivers Education EMH | Drivers' Education—Classroom Only | 08151 | G | 1 |
| 34.0152 | Driver Education, Practice | Drivers' Education—Classroom and Laboratory | 08152 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|---|------------------|--------------|-----------------|
| 34.0161 | Physical Education Leadership Training; Gym Aide | Physical, Health, and Safety Education—Aide | 08995 | G | 1 |
| 34.0100 | Health-Related Activities, Other | Physical, Health, and Safety Education—Other | 08999 | G | 1 |
| 36.0181 | Motorcycle Operation | Physical, Health, and Safety Education—Other | 08999 | G | 1 |
| 28.0501 | Military Drill Team | ROTC Drill | 09003 | G | 1 |
| 28.0311 | Army Leadership Development, Introduction; Army ROTC 1 | Army Junior ROTC I | 09051 | G | 1 |
| 28.0312 | Army Intermediate Leadership Development; Army ROTC 2 | Army Junior ROTC II | 09052 | G | 1 |
| 28.0313 | Army Applied Leadership Development; Army ROTC 3 | Army Junior ROTC III | 09053 | G | 1 |
| 28.0314 | Army Advanced Leadership Development; Army ROTC 4 | Army Junior ROTC IV | 09054 | G | 1 |
| 28.0411 | Naval Science 1 | Naval Junior ROTC I | 09101 | G | 1 |
| 28.0412 | Naval Science 2 | Naval Junior ROTC II | 09102 | G | 1 |
| 28.0413 | Naval Science 3 | Naval Junior ROTC III | 09103 | G | 1 |
| 28.0414 | Naval Science 4 | Naval Junior ROTC IV | 09104 | G | 1 |
| 28.0111 | Aerospace Education; Air Science 1 | Air Force Junior ROTC I | 09151 | G | 1 |
| 28.0112 | Aerospace Education 2; Air Science 2 | Air Force Junior ROTC II | 09152 | G | 2 |
| 28.0113 | Aerospace Education 3; Air Science 3 | Air Force Junior ROTC III | 09153 | G | 3 |
| 28.0114 | Aerospace Education 4; Air Science 4 | Air Force Junior ROTC IV | 09154 | G | 4 |
| 28.0421 | Marine Corps Leadership Education 1 | Marine Corps Junior ROTC I | 09201 | G | 1 |
| 28.0422 | Marine Corps Leadership Education 2 | Marine Corps Junior ROTC II | 09202 | G | 1 |
| 28.0423 | Marine Corps Leadership Education 3 | Marine Corps Junior ROTC III | 09203 | G | 1 |
| 28.0424 | Marine Corps Leadership Education 4 | Marine Corps Junior ROTC IV | 09204 | G | 1 |
| 28.0100 | Aerospace Science (Air Force), Other | Military Science—Other | 09999 | G | 1 |
| 28.0121 | Civil Air Patrol | Military Science—Other | 09999 | G | 1 |
| 28.0200 | Coast Guard Science, Other | Military Science—Other | 09999 | G | 1 |
| 28.0300 | Military Science (Army), Other | Military Science—Other | 09999 | G | 1 |
| 28.0400 | Naval Science (Navy, Marines), Other | Military Science—Other | 09999 | G | 1 |
| 28.9900 | Military Sciences, Other | Military Science—Other | 09999 | G | 1 |
| 29.0100 | Military Technologies, Other | Military Science—Other | 09999 | G | 1 |
| 11.0111 | Computer Appreciation; Computer Literacy; Computers, Introduction | Introduction to Computer Technology | 10001 | G | 1 |
| 21.0127 | Introduction to Technology; Technology Education | Technological Literacy | 21051 | G | 1 |
| 11.0161 | Desktop Computer Application Suites | Computer Applications | 10004 | G | 1 |
| 07.0311 | Computers In Business; Business Computer Concepts | Business Computer Applications | 10005 | G | 1 |
| 07.0321 | Business Data Processing 1 | Business Computer Applications | 10005 | G | 1 |
| 07.0322 | Business Data Processing 2 | Business Computer Applications | 10005 | G | 2 |
| 10.0112 | Telecommunications | Telecommunications | 10006 | G | 1 |
| 11.0145 | IB Information Technology in a Global Society I | IB Information Technology in a Global Society | 10007 | E | 1 |
| 11.0146 | IB Information Technology in a Global Society II | IB Information Technology in a Global Society | 10007 | E | 2 |
| 11.0112 | Introduction to Internet and the World Wide Web | Internet Skills | 10009 | G | 1 |
| 11.0101 | Introduction to Computers (High School Level) | Computer Literacy | 10010 | G | 1 |
| 11.0300 | Data Processing, Other | Data Systems/Processing | 10054 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|--------------------------------------|------------------|--------------|-----------------|
| 11.0311 | Data Processing, Introduction; Data Processing Systems and Procedures; Computer Concepts; Data Processing; Electronic Data Processing; Data Systems 1 | Data Systems/Processing | 10054 | G | 1 |
| 11.0312 | Data Processing, Intermediate; Data Processing 2 | Data Systems/Processing | 10054 | G | 2 |
| 11.0313 | Data Processing, Advanced; Data Processing, Internship | Data Systems/Processing | 10054 | G | 3 |
| 06.1200 | Management Information Systems, Other | Management Information Systems-Other | 10099 | G | 1 |
| 11.0400 | Information Sciences and Systems, Other | Management Information Systems | 10099 | G | 1 |
| 11.0604 | Network Administration/Management 1 | Networking Systems | 10102 | G | 1 |
| 11.0605 | Network Administration/Management 2 | Networking Systems | 10102 | G | 2 |
| 11.0606 | Network Administration/Management 3 | Networking Systems | 10102 | G | 3 |
| 11.0607 | Network Administration/Management 4 | Networking Systems | 10102 | G | 4 |
| 15.1001 | PC Operating Systems; PC Hardware; PC Repair; A+ Certification (Changed to 11.0604-11.0607 and 47.0191) | Networking Systems | 10102 | G | 1 |
| 07.0331 | Business Computer Programming 1; Business Computer Applications | Business Computer Programming | 10151 | G | 1 |
| 07.0332 | Business Computer Programming 2 | Business Computer Programming | 10151 | G | 2 |
| 11.0131 | Computer Applications; Computer Sciences 1 | Computer Programming | 10152 | G | 1 |
| 11.0132 | Computer Applications, Independent Study; Computer Sciences 2 | Computer Programming | 10152 | G | 2 |
| 11.0141 | Computer Sciences 3 | Computer Programming | 10152 | G | 3 |
| 11.0211 | Computer Programming 1 | Computer Programming | 10152 | G | 1 |
| 11.0212 | Computer Programming 2 | Computer Programming | 10152 | G | 2 |
| 11.0213 | Computer Programming 3 | Computer Programming | 10152 | G | 3 |
| 11.0274 | Visual Basic | Visual Basic Programming | 10153 | G | 1 |
| 11.0273 | C++ Programming | C++ Programming | 10154 | G | 1 |
| 11.0602 | Java; Java Script | Java Programming | 10155 | G | 1 |
| 11.0221 | FORTTRAN, Introduction | Computer Programming—Other Language | 10156 | G | 1 |
| 11.0231 | PASCAL, Introduction; PASCAL 1 | Computer Programming—Other Language | 10156 | G | 1 |
| 11.0232 | Advanced PASCAL; PASCAL 2 | Computer Programming—Other Language | 10156 | G | 2 |
| 11.0241 | BASIC, Introduction; BASIC 1 | Computer Programming—Other Language | 10156 | G | 1 |
| 11.0242 | Advanced BASIC; BASIC 2 | Computer Programming—Other Language | 10156 | G | 2 |
| 11.0251 | COBOL, Introduction; COBOL 1 | Computer Programming—Other Language | 10156 | G | 1 |
| 11.0252 | Advanced COBOL; COBOL 2 | Computer Programming—Other Language | 10156 | G | 2 |
| 11.0261 | LOGO, Introduction | Computer Programming—Other Language | 10156 | G | 1 |
| 11.0271 | RPG Programming, Introduction | Computer Programming—Other Language | 10156 | G | 1 |
| 11.0272 | C Programming | Computer Programming—Other Language | 10156 | G | 1 |
| 11.0275 | Oracle Programming | Computer Programming—Other Language | 10156 | G | 1 |
| 11.0143 | AP Computer Science A | AP Computer Science A | 10157 | E | 1 |
| 11.0144 | AP Computer Science AB | AP Computer Science AB | 10158 | E | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED | Rigor | Sequence |
|-----------|--|---|-------|-------|----------|
| | | | Code | | |
| 11.0142 | IB Computer Science I | IB Computer Studies | 10159 | E | 1 |
| 11.0147 | IB Computer Science II | IB Computer Studies | 10159 | E | 2 |
| 11.0151 | Artificial Intelligence | Particular Topics in Computer Programming | 10160 | G | 1 |
| 11.0321 | Computer Programming - Cooperative Education | Computer Programming—Workplace Experience | 10198 | G | 1 |
| 11.0200 | Computer Programming, Other | Computer Programming—Other | 10199 | G | 1 |
| 11.0601 | HTML | Web Page Design | 10201 | G | 1 |
| 11.0603 | Web Site Design, Development | Web Page Design | 10201 | G | 1 |
| 11.0152 | Multimedia Computer Applications | Computer Graphics | 10202 | G | 1 |
| 47.0191 | Computer Repair and Maintenance | Computer Maintenance | 10252 | G | 1 |
| 55.9211 | Computer Repair and Maintenance | Computer Maintenance | 10252 | G | 1 |
| 33.0114 | Computer Laboratory Assistant | Information Technology—Aide | 10995 | G | 1 |
| 11.0100 | Computer and Information Sciences, Other General | Information Technology—Other | 10999 | G | 1 |
| 11.0500 | Systems Analysis, Other | Information Technology—Other | 10999 | G | 1 |
| 11.9900 | Computer and Information Sciences, Other | Information Technology-Other | 10999 | G | 1 |
| 09.0111 | Mass Media; Channels of Communication; Media Communications; Media and Persuasion; Media in Society; Media and Critical Thinking | Introduction to Communication | 11001 | G | 1 |
| 10.0111 | World of Communications | Introduction to Communication | 11001 | G | 1 |
| 10.0100 | Communication Technologies, Other | Communication Technology | 11002 | G | 1 |
| 09.0100 | Communications, Other General | Particular Topics in Communication | 11003 | G | 1 |
| 09.0121 | Intercultural Communication | Particular Topics in Communication | 11003 | G | 1 |
| 09.0300 | Communications Research, Other | Particular Topics in Communication | 11003 | G | 1 |
| 09.0500 | Public Relations, Other | Particular Topics in Communication | 11003 | G | 1 |
| 09.0821 | Braille Communications | Particular Topics in Communication | 11003 | G | 1 |
| 09.0831 | Cryptography | Particular Topics in Communication | 11003 | G | 1 |
| 09.9900 | Communications, Other | Communication—Other | 11049 | G | 1 |
| 10.0201 | IB Communications | Communication—Other | 11049 | E | 1 |
| 09.0612 | Careers in Radio/Television Broadcasting | Audio/Visual Production | 11051 | G | 1 |
| 09.0711 | Broadcasting, Introduction | Audio/Visual Production | 11051 | G | 1 |
| 10.0121 | Communications Media Production; Audio Visuals; Media Production Aide | Audio/Visual Production | 11051 | G | 1 |
| 10.0171 | Television Production 1; Television Occupations; Videotape Production | Audio/Visual Production | 11051 | G | 1 |
| 10.0172 | Television Production 2 | Audio/Visual Production | 11051 | G | 2 |
| 10.0173 | Television Production 3 | Audio/Visual Production | 11051 | G | 3 |
| 10.0174 | Television Production 4 | Audio/Visual Production | 11051 | G | 4 |
| 10.0191 | Radio/Television Production 1 | Audio/Visual Production | 11051 | G | 1 |
| 10.0192 | Radio/Television Production 2 | Audio/Visual Production | 11051 | G | 2 |
| 10.0132 | Photography, Advanced Commercial | Commercial Photography | 11052 | G | 1 |
| 10.0151 | Film Making and Production 1; Cinematography; Filming and Staging; Film Technology | Video | 11055 | G | 1 |
| 10.0152 | Film Making and Production 2 | Video | 11055 | G | 2 |
| 09.0721 | Television and Taste; Radio and Television Appreciation | Particular Topics in AV Technology and Film | 11056 | G | 1 |
| 10.0181 | Cable Television | Particular Topics in AV Technology and Film | 11056 | G | 1 |
| 09.0700 | Radio/Television, Other General | Audio/Video Technology and Film—Other | 11099 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|---|------------------|--------------|-----------------|
| 09.0411 | Journalism 1; Newspaper Production 1; Newswriting 1; Writing for Publication | Journalism | 11101 | G | 1 |
| 09.0412 | Journalism 2; Newspaper Production 2; Journalism Lab; Newswriting 2 | Journalism | 11101 | G | 2 |
| 09.0413 | Journalism 3; Newspaper Production 3 | Journalism | 11101 | G | 3 |
| 10.0131 | Photography, Commercial; Photojournalism | Photojournalism | 11102 | G | 1 |
| 09.0600 | Radio/Television News Broadcast, Other | Broadcasting Technology | 11103 | G | 1 |
| 09.0611 | Broadcast Journalism; Television News | Broadcasting Technology | 11103 | G | 1 |
| 10.0141 | Broadcast Management 1 | Broadcasting Technology | 11103 | G | 1 |
| 10.0142 | Broadcast Management 2 | Broadcasting Technology | 11103 | G | 2 |
| 09.0441 | Yearbook Production 1; Publications 1 | Publication Production | 11104 | G | 1 |
| 09.0442 | Yearbook Production 2; Publications 2 | Publication Production | 11104 | G | 2 |
| 09.0431 | Literary Magazine | Particular Topics in Journalism and Broadcasting | 11105 | G | 1 |
| 10.0161 | Radio Production | Radio Production | 11107 | G | 1 |
| 09.0421 | Journalism Investigations | Journalism—Independent Study | 11147 | G | 1 |
| 10.0143 | Broadcasting Practicum | Journalism and Broadcasting—Independent Study | 11147 | G | 1 |
| 09.0400 | Journalism (Mass Communications), Other | Journalism and Broadcasting—Other | 11149 | G | 1 |
| 48.0271 | Desktop Publishing | Desktop Publishing | 11152 | G | 1 |
| 48.0281 | Digital Design 1 | Digital Media Design and Production | 11153 | G | 1 |
| 48.0282 | Digital Design 2 | Digital Media Design and Production | 11153 | G | 2 |
| 48.0283 | Digital Design 3 | Digital Media Design and Production | 11153 | G | 3 |
| 48.0211 | Commercial Art 1; Advertising Design | Commercial Graphic Design | 11154 | G | 1 |
| 48.0212 | Commercial Art 2; Advertising and Illustration, Advanced | Commercial Graphic Design | 11154 | G | 2 |
| 48.0214 | Commercial Art 3; Advanced Commercial Art | Commercial Graphic Design | 11154 | G | 3 |
| 48.0221 | Graphic Arts 1; Printing, Introduction; Production Printing; Graphic Communications 1 | Graphic Technology | 11155 | G | 1 |
| 48.0222 | Graphic Arts 2; Printing, Advanced; Graphics Communications 2 | Graphic Technology | 11155 | G | 2 |
| 48.0223 | Graphic Arts 3; Printing Production, Cooperative | Graphic Technology | 11155 | G | 3 |
| 48.0224 | Graphic Arts 4 | Graphic Technology | 11155 | G | 4 |
| 48.0200 | Graphic and Printing Communications, Other | Particular Topics in Printing Technology and Production | 11159 | G | 1 |
| 48.0231 | Sign Painting 1; Lettering | Particular Topics in Printing Technology and Production | 11159 | G | 1 |
| 48.0232 | Sign Painting 2 | Particular Topics in Printing Technology and Production | 11159 | G | 2 |
| 48.0233 | Sign Painting 3 | Particular Topics in Printing Technology and Production | 11159 | G | 3 |
| 48.0241 | Bindery | Particular Topics in Printing Technology and Production | 11159 | G | 1 |
| 48.0251 | Electronic Composition | Particular Topics in Printing Technology and Production | 11159 | G | 1 |
| 48.0261 | Copy Editing | Particular Topics in Printing Technology and Production | 11159 | G | 1 |
| 50.0721 | Silk Screen | Particular Topics in Printing Technology and Production | 11159 | G | 1 |
| 48.0213 | Commercial Art, Cooperative | Printing Technology—Workplace Experience | 11198 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|-----------|--|---|-----------|-------|----------|
| 55.7111 | Graphic And Printing Communications 1 | Printing Technology—Other | 11199 | G | 1 |
| 55.7119 | Graphic And Printing Communications 1, not for credit | Printing Technology—Other | 11199 | G | 1 |
| 55.7121 | Graphic And Printing Communications 2 | Printing Technology—Other | 11199 | G | 2 |
| 55.7129 | Graphic And Printing Communications 2, not for credit | Printing Technology—Other | 11199 | G | 2 |
| 07.0731 | Office Procedures 1; Office Practice 1; Office Specialist 1; Automated Office 1; Office Skills, Integrated; Clerk Typist; Office Technology 1; Business Careers 1; Office Services 1; Clerk Typist 1 | Office Procedures-Comprehensive Office Services | 12002 | G | 1 |
| 07.0732 | Office Procedures 2; Office Practice 2; Office Career Occupations; Automated Office 2; Office Careers 2; Office Technology 2; Office Specialist 2; Clerk Typist 2 | Office Procedures-Comprehensive Office Services | 12002 | G | 2 |
| 07.0161 | Office Machines; Business Machines; Adding and Calculating Machines | Office and Administrative Technologies | 12003 | G | 1 |
| 07.0162 | Office Machines, Vocational | Office and Administrative Technologies | 12003 | G | 1 |
| 55.2111 | Office Machines 1 | Office and Administrative Technologies | 12003 | G | 1 |
| 55.2121 | Office Machines 2 | Office and Administrative Technologies | 12003 | G | 2 |
| 07.0631 | Secretarial Administration 1; Secretarial Practice; Secretarial Procedures; Secretarial Office Practice; Secretarial Typewriting, Integrated; Secretarial Skills, Integrated | Office Services | 12004 | G | 1 |
| 07.0632 | Secretarial Administration 2 | Office Services | 12004 | G | 2 |
| 07.0733 | Simulated Office; Model Office; Office Practice, Advanced; Business Experience, Simulated; Business Careers 3; Office Pool; Office Services, Advanced | Office Services | 12004 | G | 1 |
| 55.2011 | General Office Practice 1 | Office Services | 12004 | G | 1 |
| 55.2019 | General Office Practice 1, not for credit | Office Services | 12004 | G | 1 |
| 55.2021 | General Office Practice 2 | Office Services | 12004 | G | 2 |
| 55.2031 | General Office Practice 3 | Office Services | 12004 | G | 3 |
| 07.0361 | Keyboarding | Keyboarding | 12005 | G | 1 |
| 07.0700 | Typing, General Office, and Related Programs, Other | Keyboarding | 12005 | G | 1 |
| 07.0711 | Typewriting 1; Typewriting, Beginning; Typewriting, Business | Keyboarding | 12005 | G | 1 |
| 07.0712 | Typewriting 2; Typewriting, Advanced | Keyboarding | 12005 | G | 2 |
| 07.0713 | Typewriting 3; Typewriting, Executive; Typewriting, Career | Keyboarding | 12005 | G | 3 |
| 07.0721 | Typewriting, Personal; Word Processing, Personal | Keyboarding | 12005 | G | 1 |
| 07.0641 | Word Processing 1 | Word Processing | 12006 | G | 1 |
| 07.0642 | Word Processing 2 | Word Processing | 12006 | G | 2 |
| 07.0643 | Word Processing 3; Advanced Word Processing Applications | Word Processing | 12006 | G | 3 |
| 07.0111 | Bookkeeping 1; Bookkeeping, Beginning | Recordkeeping | 12007 | G | 1 |
| 07.0112 | Bookkeeping 2; Bookkeeping, Advanced | Recordkeeping | 12007 | G | 2 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|-------------------------------------|------------------|--------------|-----------------|
| 07.0151 | Recordkeeping 1; Recordkeeping, Clerical | Recordkeeping | 12007 | G | 1 |
| 07.0152 | Recordkeeping 2; Recordkeeping Techniques, Specialized | Recordkeeping | 12007 | G | 2 |
| 07.0153 | Personal Recordkeeping; Home Finance | Recordkeeping | 12007 | G | 1 |
| 32.0101 | Recordkeeping, Personal (Changed to 07.0153) | Recordkeeping | 12007 | G | 1 |
| 07.0231 | Bank Proof Operator | Particular Topics in Administration | 12008 | G | 1 |
| 07.0241 | Bank Data Entry Occupations | Particular Topics in Administration | 12008 | G | 1 |
| 07.0300 | Business Data Processing and Related Programs, Other | Particular Topics in Administration | 12008 | G | 1 |
| 07.0341 | Key Punch Operator | Particular Topics in Administration | 12008 | G | 1 |
| 07.0351 | Data Entry Operator 1; Computer Operator | Particular Topics in Administration | 12008 | G | 1 |
| 07.0352 | Data Entry Operator 2 | Particular Topics in Administration | 12008 | G | 2 |
| 07.0371 | Peripheral Computer Operator | Particular Topics in Administration | 12008 | G | 1 |
| 07.0400 | Office Supervision and Management, Other | Particular Topics in Administration | 12008 | G | 1 |
| 07.0500 | Personnel and Training Programs, Other | Particular Topics in Administration | 12008 | G | 1 |
| 07.0600 | Secretarial and Related Programs, Other | Particular Topics in Administration | 12008 | G | 1 |
| 07.0611 | Shorthand 1; Stenography 1; Shorthand, Beginning | Particular Topics in Administration | 12008 | G | 1 |
| 07.0612 | Shorthand 2; Stenography 2; Stenography, Advanced; Shorthand, Advanced | Particular Topics in Administration | 12008 | G | 2 |
| 07.0613 | Speed Writing; Shorthand for College; Notetaking; College Notehand | Particular Topics in Administration | 12008 | G | 1 |
| 07.0621 | Transcription; Dictation and Transcription; Transcription, Machine; Touch Shorthand; Machine Shorthand | Particular Topics in Administration | 12008 | G | 1 |
| 07.0651 | Reprographics | Particular Topics in Administration | 12008 | G | 1 |
| 07.0661 | Legal Office Procedures; Legal Secretary | Particular Topics in Administration | 12008 | G | 1 |
| 07.0662 | Court Reporter | Particular Topics in Administration | 12008 | G | 1 |
| 32.0116 | Speed Writing (Changed to 07.0613) | Particular Topics in Administration | 12008 | G | 1 |
| 07.0411 | Business English 1; Business Communications | Business Communications | 12009 | G | 1 |
| 07.0412 | Business English 2 | Business Communications | 12009 | G | 2 |
| 07.0413 | Business English 3 | Business Communications | 12009 | G | 3 |
| 07.0414 | Business English 4 | Business Communications | 12009 | G | 4 |
| 07.0741 | Office Education 1, Cooperative; Clerical On The Job Training; Office Training, Vocational; Office Occupations Work Experience | Administrative-Workplace Experience | 12048 | G | 2 |
| 07.0742 | Office Education 2, Cooperative | Administration—Work Experience | 12048 | G | 1 |
| 55.2211 | Business Work Study 1 | Administration—Work Experience | 12048 | G | 1 |
| 55.2221 | Business Work Study 2 | Administration—Work Experience | 12048 | G | 2 |
| 55.2311 | Business Work Experience 1 | Administration—Work Experience | 12048 | G | 1 |
| 55.2321 | Business Work Experience 2 | Administration—Work Experience | 12048 | G | 2 |
| 07.9900 | Business and Office, Other | Administration—Other | 12049 | G | 1 |
| 06.0111 | Business Introduction; Business, General; Business Survey; Business, Basic; Business Dynamics; Business Careers Overview | Introductory Business | 12051 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|---|------------------|--------------|-----------------|
| 06.0100 | Business and Management, Other General | Business Management Management-other | 12052 | G | 1 |
| 06.0211 | Accounting/Business Management Careers - Integrated Curriculum | Business Management | 12052 | G | 1 |
| 06.0411 | Business Organization and Management; Business Management; Business Leadership; Junior Executive Training | Business Management | 12052 | G | 1 |
| 08.0300 | Entrepreneurship, Other | Entrepreneurship | 12053 | G | 1 |
| 08.0311 | Starting Your Own Business | Entrepreneurship | 12053 | G | 1 |
| 06.0121 | Business Law | Business Law | 12054 | G | 1 |
| 08.0321 | Junior Achievement; Student - Operated Company | Business Principles and Management | 12055 | G | 1 |
| 06.0900 | International Business Management, Other | International Business and Marketing | 12056 | G | 1 |
| 06.1100 | Labor Industrial Relations, Other | Human Resources and Labor Relations | 12057 | G | 1 |
| 06.0600 | Human Resources Development, Other | Human Resources Management | 12058 | G | 1 |
| 06.1600 | Personnel Management, Other | Human Resources Management | 12058 | G | 1 |
| 06.0151 | IB Business and Management | IB Business and Management | 12059 | E | |
| 06.0131 | Business, Independent Study | Management—Independent Study | 12097 | G | 1 |
| 06.0141 | Business Education, Cooperative | Management—Independent Study | 12098 | G | 1 |
| 06.0421 | Virtual Business/Enterprise | Management—Other | 12099 | G | 1 |
| 06.0700 | Institutional Management, Other | Management—Other | 12099 | G | 1 |
| 06.1300 | Management Science, Other | Management—Other | 12099 | G | 1 |
| 06.1500 | Organizational Behavior, Other | Management—Other | 12099 | G | 1 |
| 06.1700 | Real Estate, Other | Management—Other | 12099 | G | 1 |
| 06.1800 | Small Business Management and Ownership, Other | Management—Other | 12099 | G | 1 |
| 06.1811 | Small Business Management | Management—Other | 12099 | G | 1 |
| 06.1900 | Taxation, Other | Finance—Other | 12149 | G | 1 |
| 06.2000 | Trade and Industrial Supervision and Management, Other | Management—Other | 12099 | G | 1 |
| 06.9900 | Business and Management, Other | Management—Other | 12099 | G | 1 |
| 08.0612 | Grocery Management; Wholesale/Retail Grocery Operation | Management—Other | 12099 | G | 1 |
| 06.0300 | Banking and Finance, Other | Banking and Finance | 12101 | G | 1 |
| 07.0200 | Banking and Related Financial Programs, Other | Banking and Finance | 12101 | G | 1 |
| 07.0201 | Banking and Financial Careers | Banking and Finance | 12101 | G | 1 |
| 06.0311 | Financial Careers | Finance | 12103 | G | 1 |
| 07.0121 | Accounting 1; Clerical Accounting 1 | Accounting | 12104 | G | 1 |
| 07.0122 | Accounting 2; Accounting, Advanced; Accounting Careers; Clerical Accounting 2 | Accounting | 12104 | G | 2 |
| 07.0131 | Accounting, College | Accounting | 12104 | C | 1 |
| 07.0141 | Bookkeeping and Accounting 1 | Accounting | 12104 | G | 1 |
| 07.0142 | Bookkeeping and Accounting 2 | Accounting | 12104 | G | 2 |
| 06.0500 | Business Economics, Other | Business Economics | 12105 | G | 1 |
| 06.0511 | Business Economics | Business Economics | 12105 | G | 1 |
| 06.0800 | Insurance and Risk Management, Other | Risk Management and Insurance | 12106 | G | 1 |
| 06.0811 | Insurance Careers | Risk Management and Insurance | 12106 | G | 1 |
| 06.1000 | Investments and Securities, Other | Securities and Investments | 12107 | G | 1 |
| 06.1011 | Investments and Taxation | Securities and Investments | 12107 | G | 1 |
| 06.0200 | Accounting, Other | Particular Topics in Accounting | 12111 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|------------------------------------|------------------|--------------|-----------------|
| 07.0100 | Accounting, Bookkeeping, and Related Programs, Other | Particular Topics in Accounting | 12111 | G | 1 |
| 07.0211 | Bank Teller | Banking | 12102 | G | 1 |
| 07.0251 | Banking and Financial Careers - Cooperative Education | Finance—Workplace Experience | 12148 | G | 1 |
| 06.0321 | Real Estate Finance | Finance—Other | 12149 | G | 1 |
| 06.0331 | Consumer Lending | Finance—Other | 12149 | G | 1 |
| 08.0100 | Apparel and Accessories Marketing, Other | Marketing—Fashion | 12153 | G | 1 |
| 08.0111 | Fashion Merchandising | Marketing—Fashion | 12153 | G | 1 |
| 08.0121 | Fashion Design and Illustration | Marketing—Fashion | 12153 | G | 1 |
| 06.1711 | Real Estate Marketing | Marketing—Real Estate | 12154 | G | 1 |
| 08.1200 | Vehicles and Petroleum Marketing, Other | Marketing—Transportation | 12155 | G | 1 |
| 08.1211 | Auto Parts Merchandising | Marketing—Transportation | 12155 | G | 1 |
| 08.0600 | Food Marketing, Other | Marketing—Food/Beverage Industry | 12156 | G | 1 |
| 08.0611 | Food Marketing/Distribution - Overview | Marketing—Food/Beverage Industry | 12156 | G | 1 |
| 08.1000 | Insurance Marketing, Other | Marketing—Insurance | 12157 | G | 1 |
| 08.0500 | Floristry, Farm and Garden Supplies Marketing, Other | Marketing—Floristry | 12158 | G | 1 |
| 08.0511 | Floral Sales | Marketing—Floristry | 12158 | G | 1 |
| 08.0200 | Business and Personal Services Marketing, Other | Marketing—Other Specialization | 12167 | G | 1 |
| 08.0900 | Hospitality and Recreation Marketing, Other | Marketing—Hospitality/Tourism | 12159 | G | 1 |
| 08.0921 | Hospitality Sales 1 | Marketing—Hospitality/Tourism | 12159 | G | 1 |
| 08.0922 | Hospitality Sales 2 | Marketing—Hospitality/Tourism | 12159 | G | 2 |
| 08.1100 | Transportation and Travel Marketing, Other | Marketing—Hospitality/Tourism | 12159 | G | 1 |
| 08.0711 | Distributive Education 1; Sales and Marketing; Retailing and Merchandising; Distribution and Marketing; Distribution 1; Marketing and Distribution 1; Merchandising | Retail Marketing | 12161 | G | 1 |
| 08.0712 | Distributive Education 2; Distribution 2; Marketing and Distribution 2 | Retail Marketing | 12161 | G | 2 |
| 08.0713 | Distributive Education 3 | Retail Marketing | 12161 | G | 3 |
| 08.0331 | E-Commerce | Internet Marketing | 12162 | G | 1 |
| 08.1300 | Sports and Entertainment Marketing, Other | Sports and Entertainment Marketing | 12163 | G | 1 |
| 09.0200 | Advertising, Other | Principles of Advertising | 12165 | G | 1 |
| 09.0211 | Advertising | Principles of Advertising | 12165 | G | 1 |
| 06.1400 | Marketing Management and Research, Other | Marketing Management | 12166 | G | 1 |
| 06.1411 | Marketing Management and Decision Making; Marketing Studies; Merchandising and Sales Management | Marketing Management | 12166 | G | 1 |
| 01.0511 | Agricultural Supplies Marketing | Marketing—Other Specialization | 12167 | G | 1 |
| 08.0400 | Financial Services Marketing, Other | Marketing—Other Specialization | 12167 | G | 1 |
| 08.0700 | General Marketing, Other | Marketing—Other Specialization | 12167 | G | 1 |
| 08.0800 | Home and Office Products Marketing, Other | Marketing—Other Specialization | 12167 | G | 1 |
| 08.0771 | Distributive Education, Independent Study | Marketing—Independent Study | 12197 | G | 1 |
| 08.0131 | Fashion Merchandising - Cooperative Education 1 | Marketing—Workplace Experience | 12198 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|--|------------------|--------------|-----------------|
| 08.0132 | Fashion Merchandising - Cooperative Education 2 | Marketing—Workplace Experience | 12198 | G | 2 |
| 08.0621 | Food Marketing - Cooperative Education 1 | Marketing—Workplace Experience | 12198 | G | 1 |
| 08.0622 | Food Marketing - Cooperative Education 2 | Marketing—Workplace Experience | 12198 | G | 2 |
| 08.0721 | Distributive Education 1, Cooperative; Store Experience; Marketing Occupational Experience | Marketing—Workplace Experience | 12198 | G | 1 |
| 08.0722 | Distributive Education 2, Cooperative | Marketing—Workplace Experience | 12198 | G | 2 |
| 08.0781 | Telephone Service Representative | Marketing—Other | 12199 | G | 1 |
| 08.0782 | Telephone Directory Assistant | Marketing—Other | 12199 | G | 1 |
| 08.9900 | Marketing and Distribution, Other | Marketing—Other | 12199 | G | 1 |
| 08.0741 | Retail Learning Laboratory | Cashier/Checker Operations | 12201 | G | 1 |
| 08.0751 | Cashier Checker Training | Cashier/Checker Operations | 12201 | G | 1 |
| 08.0731 | Salesmanship | Principles of Selling | 12202 | G | 1 |
| 08.0811 | Computer Sales Representative | Sales—Other | 12249 | G | 1 |
| 06.0400 | Business Administration and Management, Other | Business and Marketing—Other | 12999 | G | 1 |
| 21.0107 | Industry and Technology | Exploration of Manufacturing Occupations | 13001 | G | 1 |
| 21.0109 | Industrial Occupations 1; World of Construction; Industrial Cooperative Training | Exploration of Manufacturing Occupations | 13001 | G | 1 |
| 21.0110 | Industrial Occupations 2; Industrial Cooperative Training, Advanced | Exploration of Manufacturing Occupations | 13001 | G | 2 |
| 21.0108 | Industrial Production; Manufacturing and Production | Manufacturing—Comprehensive | 13002 | G | 1 |
| 21.0100 | Industrial Arts, Other | Industrial Arts | 13003 | G | 1 |
| 21.0101 | Industrial Arts 7 - Middle School Level | Industrial Arts | 13003 | G | 1 |
| 21.0102 | Industrial Arts 8 - Middle School Level | Industrial Arts | 13003 | G | 1 |
| 21.0103 | Industrial Arts 1; Shop 1, Exploratory; Shop, General; Industrial Materials 1; Industrial Arts Orientation; Industrial Crafts 1 | Industrial Arts | 13003 | G | 1 |
| 21.0104 | Industrial Arts 2; Shop 2, Exploratory; Industrial Materials 2; Industrial Crafts 2 | Industrial Arts | 13003 | G | 2 |
| 21.0105 | Industrial Arts 3 | Industrial Arts | 13003 | G | 3 |
| 21.0106 | Industrial Arts 4 | Industrial Arts | 13003 | G | 4 |
| 52.0107 | Adaptive Foundry EMH | Industrial Arts | 13003 | G | 1 |
| 55.5011 | General Industrial Arts 1 | Industrial Arts | 13003 | G | 1 |
| 55.5019 | General Industrial Arts 1, not for credit | Industrial Arts | 13003 | G | 1 |
| 55.5021 | General Industrial Arts 2 | Industrial Arts | 13003 | G | 2 |
| 55.5029 | General Industrial Arts 2, not for credit | Industrial Arts | 13003 | G | 2 |
| 55.5031 | General Industrial Arts 3 | Industrial Arts | 13003 | G | 3 |
| 55.5039 | General Industrial Arts 3, not for credit | Industrial Arts | 13003 | G | 3 |
| 14.2011 | Metallurgy/Powder Metal Basics | Metal Processing/Production | 13055 | G | 1 |
| 48.0611 | Plastics 1 | Plastics Processing/Production | 13056 | G | 1 |
| 48.0612 | Plastics 2 | Plastics Processing/Production | 13056 | G | 2 |
| 15.0621 | Chemical Manufacturing Technology | Particular Topics in Processing and Production | 13058 | G | 1 |
| 48.0600 | Precision Work, Assorted Materials, Other | Particular Topics in Processing and Production | 13058 | G | 1 |
| 48.0621 | Space Age Plastics | Particular Topics in Processing and Production | 13058 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED | | |
|-----------|--|--|-------|-------|----------|
| | | | Code | Rigor | Sequence |
| 55.7411 | Precision Production Work Study 1 | Processing/Production—Workplace Experience | 13098 | G | 1 |
| 55.7419 | Precision Production Work Study 1, not for credit | Processing/Production—Workplace Experience | 13098 | G | 1 |
| 55.7421 | Precision Production Work Study 2 | Processing/Production—Workplace Experience | 13098 | G | 2 |
| 55.7429 | Precision Production Work Study 2, not for credit | Processing/Production—Workplace Experience | 13098 | G | 2 |
| 55.7511 | Precision Production Work Experience 1 | Processing/Production—Workplace Experience | 13098 | G | 1 |
| 55.7519 | Precision Production Work Experience 1, not for credit | Processing/Production—Workplace Experience | 13098 | G | 1 |
| 55.7521 | Precision Production Work Experience 2 | Processing/Production—Workplace Experience | 13098 | G | 2 |
| 55.7529 | Precision Production Work Experience 2, not for credit | Processing/Production—Workplace Experience | 13098 | G | 2 |
| 48.9900 | Precision Production, Other | Processing/Production—Other | 13099 | G | 1 |
| 15.0611 | Industrial Production Technology 1; Manufacturing Process Technology 1 | Production Systems | 13101 | G | 1 |
| 15.0612 | Industrial Production Technology 2; Manufacturing Process Technology 2 | Production Systems | 13101 | G | 2 |
| 15.0400 | Electromechanical Instrumentation and Maintenance Technologies, Other | Electro-Mechanical Systems | 13102 | G | 1 |
| 15.0600 | Industrial Production Technologies, Other | Product Development | 13103 | G | 1 |
| 15.0601 | Industrial Research and Development Product Creation/Improvement | Product Development | 13103 | G | 1 |
| 48.0511 | Metal 1; Metal Class; Metal Lab; Metalwork; Metal Trades; Machine Metals | Metalwork Occupations | 13201 | G | 1 |
| 48.0512 | Metal 2; Metalwork, Advanced | Metalworking | 13202 | G | 2 |
| 48.0513 | Metal 3 | Metalworking | 13202 | G | 3 |
| 48.0514 | Metal 4 | Metalworking | 13202 | G | 4 |
| 21.0121 | Machine Shop 1; Machine Lab; Industrial Machine | Machining | 13203 | G | 1 |
| 21.0122 | Machine Shop 2 | Machining | 13203 | G | 2 |
| 21.0123 | Machine Shop 3 | Machining | 13203 | G | 3 |
| 21.0124 | Machine Shop 4 | Machining | 13203 | G | 4 |
| 48.0531 | Sheet Metal 1 | Sheet Metal | 13205 | G | 1 |
| 48.0532 | Sheet Metal 2 | Sheet Metal | 13205 | G | 2 |
| 48.0521 | Welding 1 | Welding | 13207 | G | 1 |
| 48.0522 | Welding 2 | Welding | 13207 | G | 2 |
| 48.0523 | Welding 3 | Welding | 13207 | G | 3 |
| 48.0541 | Metal Restoration | Particular Topics in Metalwork | 13209 | G | 1 |
| 48.0551 | Foundry 1 | Particular Topics in Metalwork | 13209 | G | 1 |
| 48.0552 | Foundry 2 | Particular Topics in Metalwork | 13209 | G | 2 |
| 48.0524 | Welding - Cooperative Education | Metalwork—Workplace Experience | 13248 | G | 1 |
| 48.0500 | Precision Metal Work, Other | Metalwork—Other | 13249 | G | 1 |
| 47.0111 | Small Appliance Repair | Appliance Repair | 13301 | G | 1 |
| 47.0121 | Radio and TV Repair 1; Television Repair; Electronic Servicing | Appliance Repair | 13301 | G | 1 |
| 47.0122 | Radio and TV Repair 2 | Appliance Repair | 13301 | G | 2 |
| 47.0123 | Radio and TV Repair 3 | Appliance Repair | 13301 | G | 3 |
| 47.0124 | Telecommunications Technician | Appliance Repair | 13301 | G | 1 |
| 47.0131 | Appliance Repair 1; Major Appliance Repair | Appliance Repair | 13301 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|--|------------------|--------------|-----------------|
| 47.0132 | Appliance Repair 2; Appliance Repair, Advanced | Appliance Repair | 13301 | G | 2 |
| 47.0141 | Vending Machine Repair | Appliance Repair | 13301 | G | 1 |
| 12.0531 | Industrial Maintenance/Mechanics 1 | Equipment Maintenance and Repair | 13302 | G | 1 |
| 12.0532 | Industrial Maintenance/Mechanics 2 | Equipment Maintenance and Repair | 13302 | G | 2 |
| 47.0151 | Business Machine Repair; Office Machine Repair | Equipment Maintenance and Repair | 13302 | G | 1 |
| 47.0181 | Food Processing Machine Maintenance Technician/Repair | Equipment Maintenance and Repair | 13302 | G | 1 |
| 47.0331 | Industrial Maintenance Mechanics 1 | Equipment Maintenance and Repair | 13302 | G | 1 |
| 47.0332 | Industrial Maintenance Mechanics 2 | Equipment Maintenance and Repair | 13302 | G | 2 |
| 47.0421 | Instrument Maintenance and Repair | Equipment Maintenance and Repair | 13302 | G | 1 |
| 47.0433 | Watch and Clock Repair | Equipment Maintenance and Repair | 13302 | G | 1 |
| 47.0434 | Bicycle Repair | Equipment Maintenance and Repair | 13302 | G | 1 |
| 47.0100 | Electrical and Electronics Equipment Repair, Other | Repair—Other | 13349 | G | 1 |
| 47.0400 | Miscellaneous Mechanics and Repairers, Other | Repair—Other | 13349 | G | 1 |
| 47.0411 | Musical Instrument Repair | Repair—Other | 13349 | G | 1 |
| 21.0125 | Industrial Education Management Trainee | Manufacturing—Aide | 13995 | G | 1 |
| 21.0126 | Industrial Arts Research; Industrial Arts, Independent Study | Manufacturing—Independent Study | 13997 | G | 1 |
| 21.0111 | Industrial Cooperative Work Experience | Manufacturing—Workplace Experience | 13998 | G | 1 |
| 21.0112 | Industrial Cooperative Work Experience, Advanced | Manufacturing—Workplace Experience | 13998 | G | 1 |
| 21.0190 | Industrial Arts Rotation/Survey | Manufacturing—Other | 13999 | G | 1 |
| 17.0611 | Student Assessment of Child Health; Health Office | Exploration of Health Care Occupations | 14001 | G | 1 |
| 55.3011 | General Health Occupations 1 | Exploration of Health Care Occupations | 14001 | G | 1 |
| 55.3019 | General Health Occupations 1, not for credit | Exploration of Health Care Occupations | 14001 | G | 1 |
| 55.3021 | General Health Occupations 2 | Exploration of Health Care Occupations | 14001 | G | 2 |
| 55.3029 | General Health Occupations 2, not for credit | Exploration of Health Care Occupations | 14001 | G | 2 |
| 55.3031 | General Health Occupations 3 | Exploration of Health Care Occupations | 14001 | G | 3 |
| 55.3039 | General Health Occupations 3, not for credit | Exploration of Health Care Occupations | 14001 | G | 3 |
| 17.0511 | Health Occupations 1; Health Careers; Medical Career Opportunities | Health Care Occupations—Comprehensive | 14002 | G | 1 |
| 17.0521 | Health Occupations 2; Health Occupations Training; Medical Careers Work Experience | Health Care Occupations—Comprehensive | 14002 | G | 2 |
| 18.1801 | Medical Ethics | Medical Law and Ethics | 14003 | G | 1 |
| 17.0621 | Nursing, Practical; Nursing, Introduction | Nursing | 14051 | G | 1 |
| 17.0631 | Nurse's Aide and Orderly; Patient Care Technician; Nurse's Assistant | Nursing | 14051 | G | 1 |
| 17.0411 | Home Health Aide | Home Health Care | 14053 | G | 1 |
| 17.0111 | Dental Assistant 1; Dental Office Assisting | Dental Science | 14054 | G | 1 |
| 17.0112 | Dental Assistant 2 | Dental Science | 14054 | G | 2 |
| 17.0211 | First Aid; CPR and First Aid; Medical Emergencies; Emergency Medical Technician | Emergency Medical Technology | 14055 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|--|------------------|--------------|-----------------|
| 17.0700 | Ophthalmic Services, Other | Vision Care | 14057 | G | 1 |
| 17.0711 | Optical Services Assistant | Vision Care | 14057 | G | 1 |
| 18.1200 | Optometry, Other | Optometrics | 14058 | G | 1 |
| 17.0800 | Rehabilitation Services, Other | Physical Therapy | 14060 | G | 1 |
| 17.0561 | Sports Medicine | Sports Medicine | 14062 | G | 1 |
| 17.0600 | Nursing-Related Services, Other | Particular Topics in Therapeutic Services | 14063 | G | 1 |
| 18.0100 | Audiology and Speech Pathology, Other | Particular Topics in Therapeutic Services | 14063 | G | 1 |
| 18.0200 | Basic Clinical Health Sciences, Other | Particular Topics in Therapeutic Services | 14063 | G | 1 |
| 18.0300 | Chiropractic, Other | Particular Topics in Therapeutic Services | 14063 | G | 1 |
| 18.0400 | Dentistry, Other | Particular Topics in Therapeutic Services | 14063 | G | 1 |
| 18.0500 | Emergency/Disaster Science, Other | Particular Topics in Therapeutic Services | 14063 | G | 1 |
| 18.1000 | Medicine, Other | Particular Topics in Therapeutic Services | 14063 | G | 1 |
| 18.1100 | Nursing, Other | Particular Topics in Therapeutic Services | 14063 | G | 1 |
| 18.1300 | Osteopathic Medicine, Other | Particular Topics in Therapeutic Services | 14063 | G | 1 |
| 18.1500 | Podiatry, Other | Particular Topics in Therapeutic Services | 14063 | G | 1 |
| 17.0121 | Dental Assistant, Cooperative | Therapeutic Services—Workplace Experience | 14098 | G | 1 |
| 17.0641 | Nurse's Aide, Cooperative | Therapeutic Services—Workplace Experience | 14098 | G | 1 |
| 17.0131 | Dental Technology 1 | Dental Laboratory Technology | 14101 | G | 1 |
| 17.0132 | Dental Technology 2 | Dental Laboratory Technology | 14101 | G | 2 |
| 17.0311 | Laboratory Program 1; Health Technology | Medical Lab Technology | 14102 | G | 1 |
| 17.0221 | EKG Technician | EKG Technology | 14103 | G | 1 |
| 17.0321 | Chemical Technology 1; Chemistry, Qualitative; Chemistry Lab | Particular Topics in Diagnostic Services | 14105 | G | 1 |
| 17.0322 | Chemical Technology 2 | Particular Topics in Diagnostic Services | 14105 | G | 2 |
| 18.0900 | Medical Laboratory, Other | Particular Topics in Diagnostic Services | 14105 | G | 1 |
| 17.0312 | Laboratory Program 2 | Diagnostic Services—Workplace Experience | 14148 | G | 2 |
| 17.0300 | Medical Laboratory Technologies, Other | Diagnostic Services—Other | 14149 | G | 1 |
| 17.0541 | Medical Records Secretary | Medical/Clerical Assisting | 14151 | G | 1 |
| 17.0551 | Medical Assisting | Medical/Clerical Assisting | 14151 | G | 1 |
| 07.0671 | Medical Office Procedures; Medical Office Assisting; Medical Secretary | Medical Office Procedures | 14153 | G | 1 |
| 07.0681 | Legal/Medical Office Procedures | Medical Office Procedures | 14153 | G | 1 |
| 17.0531 | Medical Terminology | Medical Terminology | 14154 | G | 1 |
| 17.0522 | Central Service Technician | Central Service Technology | 14201 | G | 1 |
| 30.0200 | Clinical Pastoral Care, Other | Particular Topics in Health Support Services | 14204 | G | 1 |
| 17.0581 | Chemistry for Health Science; Medicinal Chemistry; Nursing Chemistry | Health Science | 14251 | G | 1 |
| 18.2501 | Bio-Medical Technology, General | Biotechnology | 14252 | G | 1 |
| 18.2502 | Biotechnology | Biotechnology | 14252 | G | 1 |
| 41.0100 | Biological Technologies, Other | Biotechnology | 14252 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|---|------------------|--------------|-----------------|
| 18.1400 | Pharmacy, Other | Pharmacology | 14253 | G | 1 |
| 18.1411 | Pharmacy Technician | Pharmacology | 14253 | G | 1 |
| 18.0600 | Epidemiology, Other | Particular Topics in Health Sciences | 14254 | G | 1 |
| 18.0700 | Health Sciences Administration, Other | Particular Topics in Health Sciences | 14254 | G | 1 |
| 18.0800 | Hematology, Other | Particular Topics in Health Sciences | 14254 | G | 1 |
| 18.2300 | Toxicology (Clinical), Other | Particular Topics in Health Sciences | 14254 | G | 1 |
| 18.2100 | Prosectorial Science, Other | Health Sciences—Other | 14299 | G | 1 |
| 18.2200 | Public Health Laboratory Science, Other | Health Sciences—Other | 14299 | G | 1 |
| 17.0591 | Health Occupations, Independent Study | Health Care Sciences—Independent Study | 14997 | G | 1 |
| 17.0592 | Health Occupations - Cooperative Education 1 | Health Care Sciences—Workplace Experience | 14998 | G | 1 |
| 17.0593 | Health Occupations - Cooperative Education 2 | Health Care Sciences—Workplace Experience | 14998 | G | 2 |
| 55.3111 | Health Occupations Work Study 1 | Health Care Sciences—Work Experience | 14998 | G | 1 |
| 55.3119 | Health Occupations Work Study 1, not for credit | Health Care Sciences—Work Experience | 14998 | G | 1 |
| 55.3121 | Health Occupations Work Study 2 | Health Care Sciences—Work Experience | 14998 | G | 2 |
| 55.3129 | Health Occupations Work Study 2, not for credit | Health Care Sciences—Work Experience | 14998 | G | 2 |
| 55.3211 | Health Occupations Work Experience 1 | Health Care Sciences—Work Experience | 14998 | G | 1 |
| 55.3219 | Health Occupations Work Experience 1, not for credit | Health Care Sciences—Work Experience | 14998 | G | 1 |
| 55.3221 | Health Occupations Work Experience 2 | Health Care Sciences—Work Experience | 14998 | G | 2 |
| 55.3229 | Health Occupations Work Experience 2, not for credit | Health Care Sciences—Work Experience | 14998 | G | 2 |
| 17.0100 | Dental Services, Other | Health Care Sciences—Other | 14999 | G | 1 |
| 17.0200 | Diagnostic and Treatment Services, Other | Health Care Sciences—Other | 14999 | G | 1 |
| 17.0500 | Miscellaneous Allied Health Services, Other | Health Care Sciences—Other | 14999 | G | 1 |
| 17.9900 | Allied Health, Other | Health Care Sciences—Other | 14999 | G | 1 |
| 18.1600 | Population and Family Planning, Other | Health Care Sciences—Other | 14999 | G | 1 |
| 18.1700 | Pre-Dentistry, Other | Health Care Sciences—Other | 14999 | G | 1 |
| 18.1800 | Pre-Medicine, Other | Health Care Sciences—Other | 14999 | G | 1 |
| 18.1900 | Pre-Pharmacy, Other | Health Care Sciences—Other | 14999 | G | 1 |
| 18.2000 | Pre-Veterinary, Other | Health Care Sciences—Other | 14999 | G | 1 |
| 18.9900 | Health Sciences, Other | Health Care Sciences—Other | 14999 | G | 1 |
| 43.0100 | Criminal Justice, Other | Criminal Justice | 15051 | G | 1 |
| 43.0111 | Law Enforcement; Police Science; Criminal Justice | Criminal Justice | 15051 | G | 1 |
| 43.0121 | Law Science; Forensic Studies | Forensic Science | 15055 | G | 1 |
| 44.0200 | Community Services, Other | Public Safety | 15101 | G | 1 |
| 43.0311 | Security Guard | Particular Topics in Security | 15103 | G | 1 |
| 43.9900 | Protective Services, Other | Security and Protection—Other | 15149 | G | 1 |
| 43.0200 | Fire Protection, Other | Fire Fighting | 15152 | G | 1 |
| 43.0211 | Fire Fighting Practices; Fire Science | Fire Fighting | 15152 | G | 1 |
| 43.0221 | Fire Safety Education | Particular Topics in Fire Management | 15153 | G | 1 |
| 44.0400 | Public Administration, Other | Public Administration | 15201 | G | 1 |
| 44.0500 | Public Policy Studies, Other | Public Policy | 15203 | G | 1 |
| 44.0600 | Public Works, Other | Government Service | 15249 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|---|------------------|--------------|-----------------|
| 43.0300 | International Public Service, Other | Public, Protective, and Government Service—Other | 15999 | G | 1 |
| 44.0100 | Public Affairs, Other General | Public, Protective, and Government Service—Other | 15999 | G | 1 |
| 44.0300 | International Public Service, Other | Public, Protective, and Government Service—Other | 15999 | G | 1 |
| 44.0700 | Social Work, Other | Public, Protective, and Government Service—Other | 15999 | G | 1 |
| 44.9900 | Public Affairs, Other | Public, Protective, and Government Service—Other | 15999 | G | 1 |
| 08.0911 | Orientation to Hospitality Careers | Exploration of Hospitality Careers | 16001 | G | 1 |
| 55.6311 | Food Services 1 | Restaurant, Food, and Beverage Services—Comprehensive | 16052 | G | 1 |
| 55.6319 | Food Services 1, not for credit | Restaurant, Food, and Beverage Services—Comprehensive | 16052 | G | 1 |
| 55.6321 | Food Services 2 | Restaurant, Food, and Beverage Services—Comprehensive | 16052 | G | 2 |
| 55.6329 | Food Services 2, not for credit | Restaurant, Food, and Beverage Services—Comprehensive | 16052 | G | 2 |
| 20.0411 | Food Service Training; Culinary Arts 1; Commercial Foods, Basic; Restaurant Occupations 1; Chef Class | Food Service | 16053 | G | 1 |
| 20.0412 | Food Service Training 2; Culinary Arts 2; Commercial Foods, Advanced; Restaurant Occupations 2 | Food Service | 16053 | G | 2 |
| 20.0441 | Chef | Food Service | 16053 | G | 1 |
| 20.0188 | Nutrition; Fitness Foods | Nutrition and Food Preparation | 16054 | G | 1 |
| 20.0413 | Food Services/Restaurant Management | Restaurant Management and Operations | 16055 | G | 1 |
| 20.0185 | Foods 3; Gourmet Foods; Foods, Experimental; Foods Preparation, Advanced | Culinary Arts Specialty | 16056 | G | 1 |
| 20.0186 | Foods 4 | Culinary Arts Specialty | 16056 | G | 2 |
| 20.0187 | International Foods; Foreign Foods | Culinary Arts Specialty | 16056 | G | 1 |
| 20.0431 | Baking | Culinary Arts Specialty | 16056 | G | 1 |
| 20.0451 | Catering | Particular Topics in Restaurant, Food and Beverage Services | 16057 | G | 1 |
| 20.0471 | Food Testing | Particular Topics in Restaurant, Food and Beverage Services | 16057 | G | 1 |
| 20.0421 | Food Service Cooperative Training; Food Service, Vocational | Restaurant, Food and Beverage Services—Workplace Experience | 16098 | G | 1 |
| 20.0400 | Food Production, Management and Services, Other | Restaurant, Food and Beverage Services—Other | 16099 | G | 1 |
| 20.0461 | Dietetic Aide | Restaurant, Food and Beverage Services—Other | 16099 | G | 1 |
| 20.0481 | School Food Service; Cafeteria Assistant | Restaurant, Food and Beverage Services—Other | 16099 | G | 1 |
| 20.0611 | Custodial Services | Institutional Maintenance | 16103 | G | 1 |
| 20.0621 | Executive Housekeeping | Institutional Maintenance | 16103 | G | 1 |
| 55.6211 | Custodial And Housekeeping Services 1 | Institutional Maintenance | 16103 | G | 1 |
| 55.6219 | Custodial and Housekeeping Services 1, not for credit | Institutional Maintenance | 16103 | G | 1 |
| 55.6221 | Custodial And Housekeeping Services 2 | Institutional Maintenance | 16103 | G | 2 |
| 55.6229 | Custodial and Housekeeping Services 2, not for credit | Institutional Maintenance | 16103 | G | 2 |
| 06.0711 | Hotel and Motel Management | Particular Topics in Lodging | 16104 | G | 1 |
| 06.0712 | Hotel and Motel Training | Particular Topics in Lodging | 16104 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|---|------------------|--------------|-----------------|
| 08.1111 | Tourism Services | Travel and Tourism—Comprehensive | 16152 | G | 1 |
| 49.0131 | Air Travel Service Occupations | Particular Topics in Travel and Tourism | 16155 | G | 1 |
| 08.1121 | Entertainment Park/Tourism - Cooperative Education | Travel and Tourism—Workplace Experience | 16198 | G | 1 |
| 31.0111 | Recreation Aide | Recreation, Amusement and Attractions—Comprehensive | 16202 | G | 1 |
| 12.0200 | Entertainment Services, Other | Particular Topics in Recreation, Amusement and Attractions | 16203 | G | 1 |
| 12.0211 | Sports Officiating | Particular Topics in Recreation, Amusement, and Attractions | 16203 | G | 1 |
| 31.0121 | Search and Rescue | Security and Protection—Other | 15149 | G | 1 |
| 31.0200 | Outdoor Recreation, Other | Particular Topics in Recreation, Amusement, and Attractions | 16203 | G | 1 |
| 31.0211 | Winter/Ski Resort Operation | Particular Topics in Recreation, Amusement, and Attractions | 16203 | G | 1 |
| 31.0300 | Parks and Recreation Management, Other | Particular Topics in Recreation, Amusement, and Attractions | 16203 | G | 1 |
| 31.0400 | Water Resources, Other | Particular Topics in Recreation, Amusement, and Attractions | 16203 | G | 1 |
| 31.9900 | Parks and Recreation, Other | Particular Topics in Recreation, Amusement, and Attractions | 16203 | G | 1 |
| 03.0621 | Rural Recreation | Recreation, Amusement, and Attractions Management | 16204 | G | 1 |
| 31.0100 | Parks and Recreation, Other General | Recreation, Amusement and Attractions—Other | 16249 | G | 1 |
| 20.0631 | Homemaker's Aide; Homemaker's Assistant, Home Management | Hospitality and Tourism—Other | 16999 | G | 1 |
| 46.0411 | Building Construction 1; House Construction; Home Mechanics; Building Trades 1; Manufactured Housing Assembly 1 | Construction—Comprehensive | 17002 | G | 1 |
| 46.0412 | Building Construction 2; Building Trades 2; Manufactured Housing Assembly 2 | Construction—Comprehensive | 17002 | G | 2 |
| 46.0413 | Building Construction 3; Building Trades 3; Manufactured Housing Assembly 3 | Construction—Comprehensive | 17002 | G | 3 |
| 55.8011 | General Construction Trades 1 | Construction—Comprehensive | 17002 | G | 1 |
| 55.8019 | General Construction Trades 1, not for credit | Construction—Comprehensive | 17002 | G | 1 |
| 55.8021 | General Construction Trades 2 | Construction—Comprehensive | 17002 | G | 2 |
| 55.8029 | General Construction Trades 2, not for credit | Construction—Comprehensive | 17002 | G | 2 |
| 55.8031 | General Construction Trades 3 | Construction—Comprehensive | 17002 | G | 3 |
| 55.8039 | General Construction Trades 3, not for credit | Construction—Comprehensive | 17002 | G | 3 |
| 46.0200 | Carpentry, Other | Carpentry | 17003 | G | 1 |
| 46.0211 | Carpentry 1 | Carpentry | 17003 | G | 1 |
| 46.0212 | Carpentry 2; Structural Woods; Carpentry, Advanced | Carpentry | 17003 | G | 2 |
| 46.0213 | Carpentry 3 | Carpentry | 17003 | G | 3 |
| 55.8211 | Carpentry 1 | Carpentry | 17003 | G | 1 |
| 55.8219 | Carpentry 1, not for credit | Carpentry | 17003 | G | 1 |
| 55.8221 | Carpentry 2 | Carpentry | 17003 | G | 2 |
| 55.8229 | Carpentry 2, not for credit | Carpentry | 17003 | G | 2 |
| 46.0422 | Flooring Installation | Particular Topics in Carpentry | 17005 | G | 1 |
| 48.0711 | Woodworking 1; Woodworking, Basic; Wood 1 | Woodworking | 17006 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|---|------------------|--------------|-----------------|
| 48.0712 | Woodworking 2; Wood 2; Machine Woodworking; Wood Products | Woodworking | 17006 | G | 2 |
| 48.0713 | Woodworking 3; Woodworking, Advanced; Wood 3 | Woodworking | 17006 | G | 3 |
| 48.0714 | Woodworking 4; Wood 4 | Woodworking | 17006 | G | 4 |
| 48.0731 | Cabinetmaking 1; Millwork | Cabinetmaking | 17007 | G | 1 |
| 48.0732 | Cabinetmaking 2 | Cabinetmaking | 17007 | G | 2 |
| 46.0100 | Brickmasonry, Stonemasonry, and Tile Setting, Other | Masonry | 17008 | G | 1 |
| 46.0111 | Masonry 1; Bricklaying and Masonry 1 | Masonry | 17008 | G | 1 |
| 46.0112 | Masonry 2; Bricklaying and Masonry 2; Masonry, Advanced | Masonry | 17008 | G | 2 |
| 46.0113 | Masonry 3 | Masonry | 17008 | G | 3 |
| 46.0121 | Tile Setting and Plastering | Masonry | 17008 | G | 1 |
| 55.8111 | Brickmasonry, Stonemasonry, And Tile Setting 1 | Masonry | 17008 | G | 1 |
| 55.8119 | Brickmasonry, Stonemasonry, And Tile Setting 1, not for credit | Masonry | 17008 | G | 1 |
| 55.8121 | Brickmasonry, Stonemasonry, And Tile Setting 2 | Masonry | 17008 | G | 2 |
| 55.8129 | Brickmasonry, Stonemasonry, And Tile Setting 2, not for credit | Masonry | 17008 | G | 2 |
| 12.0521 | Building and Grounds Maintenance Occupations 1 | Building Repair, and Maintenance | 17009 | G | 1 |
| 12.0522 | Building and Grounds Maintenance Occupations 2 | Building Repair, and Maintenance | 17009 | G | 2 |
| 12.0523 | Building and Grounds Maintenance Occupations 3 | Building Repair, and Maintenance | 17009 | G | 3 |
| 46.0431 | Building Maintenance | Building Repair, and Maintenance | 17009 | G | 1 |
| 46.0432 | Building Maintenance 2 | Building Repair, and Maintenance | 17009 | G | 2 |
| 46.0441 | Home Maintenance and Repair | Home Maintenance | 17010 | G | 1 |
| 46.0421 | Painting and Decorating | Wall Finishings | 17011 | G | 1 |
| 48.0321 | Upholstery | Upholstering | 17012 | G | 1 |
| 48.0322 | Upholstery, Advanced | Upholstering | 17012 | G | 2 |
| 48.0331 | Auto Upholstery | Upholstering | 17012 | G | 1 |
| 48.0721 | Furniture Refinishing | Upholstering | 17012 | G | 1 |
| 46.0131 | Concrete Technician | Concrete Foundations | 17014 | G | 1 |
| 46.0451 | Building Construction - Cooperative Education 1; Construction Trades - Cooperative Education 1 | General Construction—Workplace Experience | 17048 | G | 1 |
| 46.0452 | Building Construction - Cooperative Education 2; Construction Trades - Cooperative Education 2 | General Construction—Workplace Experience | 17048 | G | 2 |
| 55.8411 | Construction Trades Work Study 1 | General Construction—Workplace Experience | 17048 | G | 1 |
| 55.8419 | Construction Trades Work Study 1, not for credit | General Construction—Workplace Experience | 17048 | G | 1 |
| 55.8421 | Construction Trades Work Study 2 | General Construction—Workplace Experience | 17048 | G | 2 |
| 55.8429 | Construction Trades Work Study 2, not for credit | General Construction—Workplace Experience | 17048 | G | 2 |
| 55.8511 | Construction Trades Work Experience 1 | General Construction—Workplace Experience | 17048 | G | 1 |
| 55.8519 | Construction Trades Work Experience 1, not for credit | General Construction—Workplace Experience | 17048 | G | 1 |
| 55.8521 | Construction Trades Work Experience 2 | General Construction—Workplace Experience | 17048 | G | 2 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|--|------------------|--------------|-----------------|
| 55.8529 | Construction Trades Work Experience 2, not for credit | General Construction—Workplace Experience | 17048 | G | 2 |
| 46.0400 | Miscellaneous Construction Trades, Other | General Construction—Other | 17049 | G | 1 |
| 48.0300 | Leatherworking and Upholstering, Other | Particular Topics in Processing and Production | 13058 | G | 1 |
| 48.0311 | Leatherwork 1 | Particular Topics in Processing and Production | 13058 | G | 1 |
| 48.0312 | Leatherwork 2 | Particular Topics in Processing and Production | 13058 | G | 2 |
| 48.0700 | Woodworking, Other | General Construction—Other | 17049 | G | 1 |
| 47.0211 | Air Conditioning, Refrigeration, and Heating; Refrigeration and Air Conditioning; Commercial Heating and Air Conditioning | Air Conditioning, Heating, and Refrigeration | 17055 | G | 1 |
| 47.0212 | Air Conditioning, Refrigeration, and Heating, Advanced; Refrigeration and Air Conditioning 2 | Air Conditioning, Heating, and Refrigeration | 17055 | G | 2 |
| 47.0213 | Air Conditioning, Refrigeration and Heating 3 | Air Conditioning, Heating, and Refrigeration | 17055 | G | 3 |
| 47.0200 | Heating, Air Conditioning, and Refrigeration Mechanics, Other | Particular Topics in HVACR | 17057 | G | 1 |
| 46.0511 | Plumbing 1 | Plumbing | 17058 | G | 1 |
| 46.0512 | Plumbing 2 | Plumbing | 17058 | G | 2 |
| 55.8311 | Plumbing 1 | Plumbing | 17058 | G | 1 |
| 55.8319 | Plumbing 1, not for credit | Plumbing | 17058 | G | 1 |
| 55.8321 | Plumbing 2 | Plumbing | 17058 | G | 2 |
| 55.8329 | Plumbing 2, not for credit | Plumbing | 17058 | G | 2 |
| 46.0500 | Plumbing, Pipefitting, and Steamfitting, Other | Air Conditioning, Heating, and Plumbing—Other | 17099 | G | 1 |
| 15.0321 | Electrical Technology | Electricity | 17102 | G | 1 |
| 21.0113 | Electricity 1; Electricity, Basic; Electrical Trades | Electricity | 17102 | G | 1 |
| 21.0114 | Electricity 2; Electrical Trades, Advanced; Electrical Wiring Practices | Electricity | 17102 | G | 2 |
| 46.0300 | Electrical and Power Transmission Installation, Other | Residential Wiring | 17103 | G | 1 |
| 46.0311 | Housewiring 1; Residential Wiring | Residential Wiring | 17103 | G | 1 |
| 46.0312 | Housewiring 2 | Residential Wiring | 17103 | G | 2 |
| 47.0161 | Industrial Electricity | Industrial Electricity | 17104 | G | 1 |
| 46.0321 | Electric Power and Communications Lineworker | Particular Topics in Electricity | 17105 | G | 1 |
| 15.0331 | Electronic Technology 1 | Electronics—Comprehensive | 17106 | G | 1 |
| 15.0332 | Electronic Technology 2 | Electronics—Comprehensive | 17106 | G | 2 |
| 21.0115 | Electronics 1; Electronics, Basic; Circuits, Fundamental | Electronics—Comprehensive | 17106 | G | 1 |
| 21.0116 | Electronics 2; Electronics, Digital | Electronics—Comprehensive | 17106 | G | 2 |
| 21.0117 | Electronics 3 | Electronics—Comprehensive | 17106 | G | 3 |
| 21.0118 | Electronics 4 | Electronics—Comprehensive | 17106 | G | 4 |
| 15.0311 | Audio Electronics | Particular Topics in Electronics | 17107 | G | 1 |
| 15.0333 | Electronics Fabrication | Particular Topics in Electronics | 17107 | G | 1 |
| 47.0171 | Industrial Electronics | Particular Topics in Electronics | 17107 | G | 1 |
| 21.0119 | Electricity and Electronics, Introduction | Electricity/Electronics—General | 17108 | G | 1 |
| 21.0120 | Electricity and Electronics, Advanced | Electricity/Electronics—General | 17108 | G | 1 |
| 21.0130 | Electricity - Cooperative Education 1 | Electricity/Electronics—Workplace Experience | 17148 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|--|------------------|--------------|-----------------|
| 21.0131 | Electricity - Cooperative Education 2 | Electricity/Electronics—Workplace Experience | 17148 | G | 2 |
| 21.0140 | Electronics - Cooperative Education 1 | Electricity/Electronics—Workplace Experience | 17148 | G | 1 |
| 21.0141 | Electronics - Cooperative Education 2 | Electricity/Electronics—Workplace Experience | 17148 | G | 2 |
| 21.0150 | Electricity/Electronics - Cooperative Education 1 | Electricity/Electronics—Workplace Experience | 17148 | G | 1 |
| 21.0151 | Electricity/Electronics - Cooperative Education 2 | Electricity/Electronics—Workplace Experience | 17148 | G | 2 |
| 04.0100 | Architecture and Environmental Design, Other General | Architectural Design | 05192 | G | 1 |
| 46.9900 | Construction Trades, Other | Architecture and Construction—Other | 17999 | G | 1 |
| 02.0100 | Agricultural Sciences, Other General | Agriculture—Comprehensive | 18002 | G | 1 |
| 02.0111 | Agricultural Sciences, General; Agriculture Fundamentals | Agriculture—Comprehensive | 18002 | G | 1 |
| 02.0121 | Agricultural Occupations 1 | Agriculture—Comprehensive | 18002 | G | 1 |
| 02.0122 | Agricultural Occupations 2 | Agriculture—Comprehensive | 18002 | G | 2 |
| 02.0123 | Agricultural Occupations 3 | Agriculture—Comprehensive | 18002 | G | 3 |
| 02.0124 | Agricultural Occupations 4 | Agriculture—Comprehensive | 18002 | G | 4 |
| 02.0125 | Plant and Animal Sciences | Agriculture—Comprehensive | 18002 | G | 1 |
| 55.1011 | General Agriculture 1 | Agriculture—Comprehensive | 18002 | G | 1 |
| 55.1019 | General Agriculture 1, not for credit | Agriculture—Comprehensive | 18002 | G | 1 |
| 55.1021 | General Agriculture 2 | Agriculture—Comprehensive | 18002 | G | 2 |
| 55.1029 | General Agriculture 2, not for credit | Agriculture—Comprehensive | 18002 | G | 2 |
| 55.1031 | General Agriculture 3 | Agriculture—Comprehensive | 18002 | G | 3 |
| 55.1039 | General Agriculture 3, not for credit | Agriculture—Comprehensive | 18002 | G | 3 |
| 02.0126 | Agricultural Biology | Biological Applications in Agriculture | 18004 | G | 1 |
| 01.0331 | Crop Production | Plant Systems/Science | 18051 | G | 1 |
| 02.0400 | Plant Sciences, Other | Plant Systems/Science | 18051 | G | 1 |
| 02.0411 | Agronomy; Plant Science | Plant Systems/Science | 18051 | G | 1 |
| 01.0600 | Horticulture, Other | Horticulture Science | 18052 | G | 1 |
| 01.0611 | Horticulture; Plant Propagation | Horticulture Science | 18052 | G | 1 |
| 55.1211 | Plant Care 1 | Horticulture Science | 18052 | G | 1 |
| 55.1219 | Plant Care 1, not for credit | Horticulture Science | 18052 | G | 1 |
| 55.1221 | Plant Care 2 | Horticulture Science | 18052 | G | 2 |
| 55.1229 | Plant Care 2, not for credit | Horticulture Science | 18052 | G | 2 |
| 01.0621 | Floriculture; Floriculture and Gardening | Ornamental Horticulture | 18053 | G | 1 |
| 02.0421 | Ornamental Horticulture 1 | Ornamental Horticulture | 18053 | G | 1 |
| 02.0422 | Ornamental Horticulture 2 | Ornamental Horticulture | 18053 | G | 2 |
| 02.0423 | Ornamental Horticulture 3 | Ornamental Horticulture | 18053 | G | 3 |
| 01.0631 | Landscaping; Landscaping and Home Fruit Production; Landscape Maintenance and Construction; Landscape Design | Turf and Landscape Management | 18054 | G | 1 |
| 01.0632 | Landscaping, Advanced | Turf and Landscape Management | 18054 | G | 2 |
| 01.0671 | Turf Management | Turf and Landscape Management | 18054 | G | 1 |
| 02.0500 | Soil Sciences, Other | Soil Science | 18055 | G | 1 |
| 02.0511 | Soil Sciences, General | Soil Science | 18055 | G | 1 |
| 01.0641 | Greenhouse Management | Particular Topics in Plant Systems | 18056 | G | 1 |
| 01.0651 | Nursery Operations and Management; Nursery Practices; Nursery Management | Particular Topics in Plant Systems | 18056 | G | 1 |
| 02.0521 | Fertilizers and Chemicals; Agricultural Chemistry | Particular Topics in Plant Systems | 18056 | G | 1 |
| 04.0600 | Landscape Architecture, Other | Architectural Design | 05192 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|--|------------------|--------------|-----------------|
| 20.0521 | Floral Design | Particular Topics in Plant Systems | 18056 | G | 1 |
| 01.0662 | Horticultural Mechanics 2; Horticultural Mechanics - Cooperative Education | Plant Systems—Workplace Experience | 18098 | G | 2 |
| 01.0321 | Animal Production; Animal and Veterinary Science; Animal Husbandry | Animal Production/Science | 18101 | G | 1 |
| 02.0200 | Animal Sciences, Other | Animal Production/Science | 18101 | G | 1 |
| 02.0211 | Animal Sciences 1 | Animal Production/Science | 18101 | G | 1 |
| 02.0212 | Animal Sciences 2 | Animal Production/Science | 18101 | G | 2 |
| 02.0231 | Poultry | Animal Production/Science | 18101 | G | 1 |
| 02.0241 | Dairy Production | Animal Production/Science | 18101 | G | 1 |
| 55.1111 | Animal Care 1 | Animal Production/Science | 18101 | G | 1 |
| 55.1119 | Animal Care 1, not for credit | Animal Production/Science | 18101 | G | 1 |
| 55.1121 | Animal Care 2 | Animal Production/Science | 18101 | G | 2 |
| 55.1129 | Animal Care 2, not for credit | Animal Production/Science | 18101 | G | 2 |
| 02.0271 | Small Animal Production 1; Small Animal Production | Small Animal Care | 18102 | G | 1 |
| 02.0272 | Small Animal Production 2; Small Animal Production - Cooperative Education | Small Animal Care Animal Systems—Workplace Experience | 18102 | G | 2 |
| 02.0221 | Livestock 9 | Large Animal Care | 18103 | G | 1 |
| 02.0222 | Livestock 10 | Large Animal Care | 18103 | G | 2 |
| 02.0261 | Horse Production | Equine Science | 18104 | G | 1 |
| 02.0262 | Horseshoeing/Farrier Training | Equine Science | 18104 | G | 1 |
| 17.0571 | Veterinary Science; Veterinary Aide | Veterinary Science | 18105 | G | 1 |
| 18.2400 | Veterinary Medicine, Other | Veterinary Science | 18105 | G | 1 |
| 01.0521 | Animal Grooming; Pet Grooming | Particular Topics in Animal Systems | 18106 | G | 1 |
| 02.0251 | Nutrition and Feeds | Animal Nutrition | 18107 | G | 1 |
| 01.0111 | Agribusiness, Introduction; Agricultural Business | Agribusiness Management | 18201 | G | 1 |
| 01.0121 | Agricultural Business Operation; Agricultural Business Leadership | Agribusiness Management Agricultural Leadership | 18201 | G | 1 |
| 01.0161 | Agricultural Microprocessing | Agricultural Entrepreneurship | 18202 | G | 1 |
| 01.0131 | Farm and Ranch Management | Particular Topics in Agribusiness | 18204 | G | 1 |
| 01.0141 | State and Community Agriculture | Particular Topics in Agribusiness | 18204 | G | 1 |
| 01.0700 | International Agriculture, Other | Particular Topics in Agribusiness | 18204 | G | 1 |
| 01.0171 | Agriculture Cooperatives; Agricultural Cooperative Education 1 | Agribusiness—Workplace Experience | 18248 | G | 1 |
| 01.0172 | Agricultural Cooperative Education 2 | Agribusiness—Workplace Experience | 18248 | G | 2 |
| 01.0100 | Agricultural Business and Management, Other | Agribusiness - Other | 18249 | G | 1 |
| 01.0300 | Agricultural Production, Other | Agricultural Production | 18301 | G | 1 |
| 01.0311 | Agricultural Production, General; Production Agriculture | Agricultural Production | 18301 | G | 1 |
| 01.0411 | Agricultural Products and Processing 1 | Agricultural Processing | 18302 | G | 1 |
| 01.0412 | Agricultural Products and Processing 2 | Agricultural Processing | 18302 | G | 2 |
| 01.0681 | Fruit and Vegetable Production | Food Product Processing | 18305 | G | 1 |
| 02.0281 | Fish Production | Aquaculture | 18306 | G | 1 |
| 03.0700 | Marine Management and Oceanography, Other | Aquaculture | 18306 | G | 1 |
| 03.0711 | Marine Management/Oceanography 1; Marine Technology 1 | Aquaculture | 18306 | G | 1 |
| 03.0712 | Marine Management/Oceanography 2; Marine Technology 2 | Aquaculture | 18306 | G | 2 |
| 01.0312 | Agriculture Technology 1 | Particular Topics in Agricultural Production/Processing | 18309 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|--|------------------|--------------|-----------------|
| 01.0313 | Agriculture Technology 2 | Particular Topics in Agricultural Production/Processing | 18309 | G | 2 |
| 48.0400 | Precision Food Production, Other | Particular Topics in Agricultural Production/Processing | 18309 | G | 1 |
| 48.0411 | Meatcutting 1 | Particular Topics in Agricultural Production/Processing | 18309 | G | 1 |
| 48.0412 | Meatcutting 2 | Particular Topics in Agricultural Production/Processing | 18309 | G | 2 |
| 55.7311 | Meatcutting 1 | Particular Topics in Agricultural Production/Processing | 18309 | G | 1 |
| 55.7319 | Meatcutting 1, not for credit | Particular Topics in Agricultural Production/Processing | 18309 | G | 1 |
| 55.7321 | Meatcutting 2 | Particular Topics in Agricultural Production/Processing | 18309 | G | 2 |
| 55.7329 | Meatcutting 2, not for credit | Particular Topics in Agricultural Production/Processing | 18309 | G | 2 |
| 01.0421 | Agricultural Products and Processing - Cooperative Education | Agricultural Production and Processing—Workplace Experience | 18348 | G | 1 |
| 01.1421 | Agricultural Products, Cooperative Education | Agricultural Production and Processing—Workplace Experience | 18348 | G | 1 |
| 01.0400 | Agricultural Products and Processing, Other | Agricultural Production and Processing—Other | 18349 | G | 1 |
| 01.9900 | Agribusiness and Agricultural Production, Other | Agricultural Production and Processing—Other | 18349 | G | 1 |
| 01.0211 | Agricultural Mechanics, General; Agricultural Construction and Maintenance | Agriculture Mechanics and Equipment | 18402 | G | 1 |
| 01.0212 | Agricultural Mechanics 2 | Agriculture Mechanics and Equipment | 18402 | G | 2 |
| 01.0213 | Agricultural Mechanics 3 | Agriculture Mechanics and Equipment | 18402 | G | 3 |
| 01.0214 | Agricultural Mechanics 4 | Agriculture Mechanics and Equipment | 18402 | G | 4 |
| 01.0231 | Power and Machinery, Agricultural; Small Engines, Agricultural | Agriculture Mechanics and Equipment | 18402 | G | 1 |
| 01.0661 | Horticulture Power Equipment Operation and Maintenance; Horticultural Mechanics 1 | Agriculture Mechanics and Equipment | 18402 | G | 1 |
| 55.1311 | Agricultural Mechanics 1 | Agriculture Mechanics and Equipment | 18402 | G | 1 |
| 55.1319 | Agricultural Mechanics 1, not for credit | Agriculture Mechanics and Equipment | 18402 | G | 1 |
| 55.1321 | Agricultural Mechanics 2 | Agriculture Mechanics and Equipment | 18402 | G | 2 |
| 55.1329 | Agricultural Mechanics 2, not for credit | Agriculture Mechanics and Equipment | 18402 | G | 2 |
| 01.0241 | Farm Construction | Agricultural Structures | 18403 | G | 1 |
| 01.0221 | Welding, Agricultural | Agricultural Metal Fabrication Technology | 18404 | G | 1 |
| 01.0251 | Electricity and Electronics, Agricultural | Particular Topics in Agricultural Mechanics and Construction | 18405 | G | 1 |
| 01.0261 | Soil and Water Mechanical Practices | Particular Topics in Agricultural Mechanics and Construction | 18405 | G | 1 |
| 01.0271 | Surveying, Agricultural | Particular Topics in Agricultural Mechanics and Construction | 18405 | G | 1 |
| 01.0200 | Agricultural Mechanics, Other | Agricultural Mechanics and Construction, Other | 18449 | G | 1 |
| 03.0600 | Wildlife Management, Other | Wildlife Management | 18501 | G | 1 |
| 03.0611 | Wildlife Management | Wildlife Management | 18501 | G | 1 |
| 03.0400 | Forestry Production and Processing, Other | Forestry Management | 18502 | G | 1 |
| 03.0500 | Forestry and Related Sciences, Other | Forestry Management | 18502 | G | 1 |
| 03.0511 | Forestry Science 1; Forestry, Introduction | Forestry Management | 18502 | G | 1 |
| 03.0512 | Forestry Science 2 | Forestry Management | 18502 | G | 2 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|--|------------------|--------------|-----------------|
| 03.0100 | Renewable Natural Resources, Other General | Natural Resources Management | 18504 | G | 1 |
| 03.0200 | Conservation and Regulation, Other | Natural Resources Management | 18504 | G | 1 |
| 03.0211 | Conservation and Regulation; Soils, Forestry and Wildlife | Natural Resources Management | 18504 | G | 1 |
| 03.0212 | Environmental Management 1 | Natural Resources Management | 18504 | G | 1 |
| 03.0213 | Environmental Management 2 | Natural Resources Management | 18504 | G | 2 |
| 03.0300 | Fishing and Fisheries, Other | Particular Topics in Natural Resources | 18505 | G | 1 |
| 03.0311 | Waterman Occupations | Particular Topics in Natural Resources | 18505 | G | 1 |
| 03.0221 | Environmental Management - Cooperative Education | Natural Resources—Workplace Experience | 18548 | G | 1 |
| 03.0521 | Forestry Occupations - Work Experience; Forestry - Cooperative Education | Natural Resources—Workplace Experience | 18548 | G | 1 |
| 03.9900 | Renewable Natural Resources, Other | Natural Resources—Other | 18549 | G | 1 |
| 01.0181 | Agriculture, Independent Study | Agriculture, Food, and Natural Resources—Independent Study | 18997 | G | 1 |
| 01.0182 | SOEP - Supervised Occupational Experience Program | Agriculture, Food, and Natural Resources—Workplace Experience | 18998 | G | 1 |
| 55.1411 | Agricultural Work Study | Agriculture, Food, and Natural Resources—Workplace Experience | 18998 | G | 1 |
| 55.1419 | Agricultural Work Study, not for credit | Agriculture, Food, and Natural Resources—Workplace Experience | 18998 | G | 1 |
| 55.1511 | Agricultural Work Experience | Agriculture, Food, and Natural Resources—Workplace Experience | 18998 | G | 2 |
| 55.1519 | Agricultural Work Experience, not for credit | Agriculture, Food, and Natural Resources—Workplace Experience | 18998 | G | 2 |
| 01.0500 | Agricultural Services and Supplies, Other | Agriculture, Food, and Natural Resources—Other | 18999 | G | 1 |
| 02.9900 | Agricultural Sciences, Other | Agriculture, Food, and Natural Resources, Other Agriculture—Comprehensive | 18999 | G | 1 |
| 12.0431 | Personal Services Occupations | Human Services Career Exploration | 19001 | G | 1 |
| 12.0511 | General Services Occupations 1 | Human Services Career Exploration | 19001 | G | 1 |
| 12.0512 | General Services Occupations 2 | Human Services Career Exploration | 19001 | G | 2 |
| 12.0513 | General Services Occupations 3 | Human Services Career Exploration | 19001 | G | 3 |
| 12.0514 | General Services Occupations 4 | Human Services Career Exploration | 19001 | G | 4 |
| 44.0711 | Human Services | Human Services Career Exploration | 19001 | G | 1 |
| 55.6411 | Miscellaneous Services 1 | Human Services Career Exploration | 19001 | G | 1 |
| 55.6419 | Miscellaneous Services 1, not for credit | Human Services Career Exploration | 19001 | G | 1 |
| 55.6421 | Miscellaneous Services 2 | Human Services Career Exploration | 19001 | G | 2 |
| 55.6429 | Miscellaneous Services 2, not for credit | Human Services Career Exploration | 19001 | G | 2 |
| 20.0211 | Child Care Services; Early Childhood Workshop; Child Development Services; Nursery School Training | Child Care | 19051 | G | 1 |
| 20.0221 | Child Care Aide | Child Care | 19051 | G | 1 |
| 20.0231 | Child Care Management | Child Care | 19051 | G | 1 |
| 20.0121 | Child Development 8 - Middle School Level | Child Development | 19052 | G | 1 |
| 20.0122 | Child Development 1 | Child Development | 19052 | G | 1 |
| 20.0123 | Child Development 2 | Child Development | 19052 | G | 2 |
| 20.0124 | Child Development 3 | Child Development | 19052 | G | 3 |
| 20.0125 | Child Development 4 | Child Development | 19052 | G | 4 |
| 55.4111 | Child Development 1 | Child Development | 19052 | G | 1 |
| 55.4119 | Child Development 1, not for credit | Child Development | 19052 | G | 1 |
| 55.4121 | Child Development 2 | Child Development | 19052 | G | 2 |
| 55.4129 | Child Development 2, not for credit | Child Development | 19052 | G | 2 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|---|------------------|--------------|-----------------|
| 20.0641 | Companion to the Aged; Geriatrics 1 | Elder Care | 19053 | G | 1 |
| 20.0642 | Geriatrics 2; Senior Citizen Services Director | Elder Care | 19053 | G | 2 |
| 20.0661 | Therapeutic Recreation Aide | Child and Adult Care Service | 19054 | G | 1 |
| 20.0126 | Current Issues in Child Development | Particular Topics in Child and Elder Care | 19055 | G | 1 |
| 20.0161 | Family Health 1; Family Nursing | Particular Topics in Child and Elder Care | 19055 | G | 1 |
| 20.0162 | Family Health 2; Family Nursing, Advanced | Particular Topics in Child and Elder Care | 19055 | G | 2 |
| 20.0200 | Child Care and Guidance Management and Services, Other | Particular Topics in Child and Elder Care | 19055 | G | 1 |
| 20.0241 | Foster Care and Family Care; Family Care Services | Particular Topics in Child and Elder Care | 19055 | G | 1 |
| 20.0261 | Child Care - Cooperative Education 1 | Child and Elder Care—Workplace Experience | 19098 | G | 1 |
| 20.0262 | Child Care - Cooperative Education 2 | Child and Elder Care—Workplace Experience | 19098 | G | 2 |
| 20.0643 | Geriatrics - Cooperative Education 1 | Child and Elder Care—Workplace Experience | 19098 | G | 1 |
| 20.0644 | Geriatrics - Cooperative Education 2 | Child and Elder Care—Workplace Experience | 19098 | G | 2 |
| 20.0671 | Institutional, Home Management Support Services - Cooperative Education | Child and Elder Care—Workplace Experience | 19098 | G | 1 |
| 12.0411 | Cosmetology; Esthetician Creative Coiffure and Shaping and Conditioning Hair; Care of the Nails and Skin | Cosmetology-Licensing | 19101 | G | 1 |
| 12.0412 | Cosmetology 2; Wigology and the Professional Business of Cosmetology; Cosmetology, Advanced | Cosmetology-Licensing | 19101 | G | 2 |
| 12.0413 | Cosmetology 3 | Cosmetology-Licensing | 19101 | G | 3 |
| 12.0421 | Barbering 1 | Barbering | 19102 | G | 1 |
| 12.0422 | Barbering 2 | Barbering | 19102 | G | 2 |
| 12.0423 | Barbering 3 | Barbering | 19102 | G | 3 |
| 55.6111 | Cosmetology/Barber 1 | Cosmetology—Non-licensing | 19104 | G | 1 |
| 55.6119 | Cosmetology/Barber 1, not for credit | Cosmetology—Non-licensing | 19104 | G | 1 |
| 55.6121 | Cosmetology/Barber 2 | Cosmetology—Non-licensing | 19104 | G | 2 |
| 55.6129 | Cosmetology/Barber 2, not for credit | Cosmetology—Non-licensing | 19104 | G | 2 |
| 12.0414 | Cosmetology - Cooperative Education 2, Part 1 | Cosmetology—Workplace Experience | 19148 | G | 1 |
| 12.0415 | Cosmetology - Cooperative Education 2, Part 2 | Cosmetology—Workplace Experience | 19148 | G | 2 |
| 13.1200 | Teacher Education, General Programs, Other | Teaching Profession | 19151 | G | 1 |
| 13.1201 | Teacher Training (Lecture and Observation) | Teaching Profession | 19151 | G | 1 |
| 13.1202 | Teacher Training (Active Practice/Practicum) | Teaching Profession | 19151 | G | 1 |
| 13.0300 | Curriculum and Instruction, Other | Educational Methodology | 19152 | G | 1 |
| 13.0200 | Bilingual/Bicultural Education, Other | Particular Topics in Education | 19154 | G | 1 |
| 13.0400 | Education Administration, Other | Particular Topics in Education | 19154 | G | 1 |
| 13.0500 | Educational Media, Other | Particular Topics in Education | 19154 | G | 1 |
| 13.0600 | Evaluation and Research, Other | Particular Topics in Education | 19154 | G | 1 |
| 13.0700 | International and Comparative Education, Other | Particular Topics in Education | 19154 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|--|------------------|--------------|-----------------|
| 13.0800 | School Psychology, Other | Particular Topics in Education | 19154 | G | 1 |
| 13.0900 | Social Foundations, Other | Particular Topics in Education | 19154 | G | 1 |
| 13.1000 | Special Education, Other | Particular Topics in Education | 19154 | G | 1 |
| 13.1100 | Student Counseling and Personnel Services, Other | Particular Topics in Education | 19154 | G | 1 |
| 13.1300 | Teacher Education, Specific Subject Areas, Other | Particular Topics in Education | 19154 | G | 1 |
| 13.1400 | Teaching English as a Second Language/Foreign Language, Other | Particular Topics in Education | 19154 | G | 1 |
| 20.0251 | Teacher Aide/Elementary | Particular Topics in Education | 19154 | G | 1 |
| 20.0252 | Teacher Aide/Secondary | Particular Topics in Education | 19154 | G | 1 |
| 13.0100 | Education, Other General | Education—Other | 19199 | G | 1 |
| 13.9900 | Education, Other | Education—Other | 19199 | G | 1 |
| 20.0311 | Clothing Occupations 1; Profitable Sewing 1; Fashion Design and Clothing Occupations | Clothing and Textiles | 19201 | G | 1 |
| 20.0312 | Clothing Occupations 2; Profitable Sewing 2 | Clothing and Textiles | 19201 | G | 2 |
| 20.0313 | Clothing Occupations 3 | Clothing and Textiles | 19201 | G | 3 |
| 55.4211 | Clothing And Textiles 1 | Clothing and Textiles | 19201 | G | 1 |
| 55.4219 | Clothing and Textiles 1, not for credit | Clothing and Textiles | 19201 | G | 1 |
| 55.4221 | Clothing And Textiles 2 | Clothing and Textiles | 19201 | G | 2 |
| 55.4229 | Clothing and Textiles 2, not for credit | Clothing and Textiles | 19201 | G | 2 |
| 12.0111 | Dry Cleaning 1 | Clothing/Textile Maintenance | 19202 | G | 1 |
| 12.0112 | Dry Cleaning 2 | Clothing/Textile Maintenance | 19202 | G | 2 |
| 20.0321 | Clothing Maintenance Aide | Clothing/Textile Maintenance | 19202 | G | 1 |
| 20.0331 | Commercial Garment and Apparel Construction | Apparel Construction | 19203 | G | 1 |
| 20.0371 | Fashion and Fabric Coordination | Apparel Construction | 19203 | G | 1 |
| 20.0391 | Clothing Production Management | Apparel Construction | 19203 | G | 1 |
| 55.7211 | Leatherwork And Upholstery 1 | Apparel and Textile Services | 19204 | G | 1 |
| 55.7219 | Leatherwork And Upholstery 1, not for credit | Apparel and Textile Services | 19204 | G | 1 |
| 55.7221 | Leatherwork And Upholstery 2 | Apparel and Textile Services | 19204 | G | 2 |
| 55.7229 | Leatherwork And Upholstery 2, not for credit | Apparel and Textile Services | 19204 | G | 2 |
| 20.0511 | Housing and Interior Design 1; Home and Interiors; Home Furnishings; Living Environments | Home Furnishing | 19205 | G | 1 |
| 20.0512 | Housing and Interior Design 2 | Home Furnishing | 19205 | G | 2 |
| 12.0100 | Dry Cleaning and Laundering Services, Other | Particular Topics in Apparel and Furnishings | 19207 | G | 1 |
| 20.0137 | Tailoring | Particular Topics in Apparel and Furnishings | 19207 | G | 1 |
| 20.0300 | Clothing, Apparel, and Textiles Management, Production, and Services, Other | Particular Topics in Apparel and Furnishings | 19207 | G | 1 |
| 20.0341 | Custom Apparel Construction | Particular Topics in Apparel and Furnishings | 19207 | G | 1 |
| 20.0351 | Custom Tailoring and Alteration | Particular Topics in Apparel and Furnishings | 19207 | G | 1 |
| 20.0361 | Wedding and Specialty Consulting | Particular Topics in Apparel and Furnishings | 19207 | G | 1 |
| 20.0381 | Textiles Testing | Particular Topics in Apparel and Furnishings | 19207 | G | 1 |
| 20.0531 | Home Decorating | Particular Topics in Apparel and Furnishings | 19207 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED | | |
|-----------|--|--|-------|-------|----------|
| | | | Code | Rigor | Sequence |
| 20.0551 | Custom Drapery and Window Treatment Design | Particular Topics in Apparel and Furnishings | 19207 | G | 1 |
| 20.0561 | Custom Slipcovering and Upholstering | Particular Topics in Apparel and Furnishings | 19207 | G | 1 |
| 47.0431 | Shoe Repair and Orthopedics 1 | Particular Topics in Apparel and Furnishings | 19207 | G | 1 |
| 47.0432 | Shoe Repair and Orthopedics 2 | Particular Topics in Apparel and Furnishings | 19207 | G | 2 |
| 20.0314 | Clothing Occupations - Cooperative Education 1 | Apparel and Furnishings—Workplace Experience | 19248 | G | 1 |
| 20.0315 | Clothing Occupations - Cooperative Education 2 | Apparel and Furnishings—Workplace Experience | 19248 | G | 2 |
| 20.0513 | Interior Design Occupations; Home Environment Occupations | Apparel and Furnishings—Workplace Experience | 19248 | G | 1 |
| 20.0541 | Home Furnishings Aide | Apparel and Furnishings—Workplace Experience | 19248 | G | 1 |
| 20.0500 | Home Furnishings and Equipment Management, Production, and Services, Other | Apparel and Furnishings—Other | 19249 | G | 1 |
| 17.0400 | Mental Health/Human Services, Other | Counseling and Mental Health | 19301 | G | 1 |
| 17.0431 | Mental Health Worker; Psychiatric Aide | Counseling and Mental Health | 19301 | G | 1 |
| 20.0153 | Home Economics Laboratory Assistant | Human Services—Aide | 19995 | G | 1 |
| 20.0151 | Home Economics Occupations 1, Exploratory; Home Economics Job Training Exploration | Human Services—Workplace Experience | 19998 | G | 1 |
| 20.0152 | Home Economics Occupations 2, Exploratory | Human Services—Workplace Experience | 19998 | G | 2 |
| 20.0193 | Home Economics - Cooperative Education 1 | Human Services—Workplace Experience | 19998 | G | 1 |
| 20.0194 | Home Economics - Cooperative Education 2 | Human Services—Workplace Experience | 19998 | G | 2 |
| 20.0573 | Home Service Asst - Cooperative Education 1 | Human Services—Workplace Experience | 19998 | G | 1 |
| 20.0574 | Home Service Asst - Cooperative Education 2 | Human Services—Workplace Experience | 19998 | G | 2 |
| 55.6511 | Service Occupations Work Study 1 | Human Services—Workplace Experience | 19998 | G | 1 |
| 55.6519 | Service Occupations Work Study 1, not for credit | Human Services—Workplace Experience | 19998 | G | 1 |
| 55.6521 | Service Occupations Work Study 2 | Human Services—Workplace Experience | 19998 | G | 2 |
| 55.6529 | Service Occupations Work Study 2, not for credit | Human Services—Workplace Experience | 19998 | G | 2 |
| 55.6611 | Service Occupations Work Experience 1 | Human Services—Workplace Experience | 19998 | G | 1 |
| 55.6619 | Service Occupations Work Experience 1, not for credit | Human Services—Workplace Experience | 19998 | G | 1 |
| 55.6621 | Service Occupations Work Experience 2 | Human Services—Workplace Experience | 19998 | G | 2 |
| 55.6629 | Service Occupations Work Experience 2, not for credit | Human Services—Workplace Experience | 19998 | G | 2 |
| 12.0300 | Funeral Services, Other | Human Services-Other | 19999 | G | 1 |
| 12.0400 | Personal Services, Other | Human Services-Other | 19999 | G | 1 |
| 12.9900 | Consumer, Personal, and Miscellaneous Services, Other | Human Services-Other | 19999 | G | 1 |
| 20.0571 | Home Service Assisting 1 | Human Services—Other | 19999 | G | 1 |
| 20.0572 | Home Service Assisting 2 | Human Services—Other | 19999 | G | 2 |
| 20.9900 | Vocational Home Economics, Other | Human Services—Other | 19999 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|-----------|--|--|-----------|-------|----------|
| 49.0411 | Introduction to Transportation Industry; Transportation Technology 1 | Exploration of Transportation, Distribution, and Logistics | 20001 | G | 1 |
| 49.0412 | Transportation Technology 2 | Exploration of Transportation, Distribution, and Logistics | 20001 | G | 2 |
| 49.0211 | Forklift Operator | Truck and Bus Driving | 20051 | G | 1 |
| 49.0212 | Tractor-Trailer Truck Driving | Truck and Bus Driving | 20051 | G | 1 |
| 49.0214 | Bus Driver/Chauffeur | Truck and Bus Driving | 20051 | G | 1 |
| 47.0341 | Petroleum Drilling Equipment Operation and Maintenance 1 | Heavy Equipment Operation | 20052 | G | 1 |
| 47.0342 | Petroleum Drilling Equipment Operation and Maintenance 2 | Heavy Equipment Operation | 20052 | G | 2 |
| 47.0343 | Petroleum Drilling Equipment Operation and Maintenance 3 | Heavy Equipment Operation | 20052 | G | 3 |
| 49.0213 | Heavy Vehicle Operation/Earth Moving Equipment | Heavy Equipment Operation | 20052 | G | 1 |
| 49.0111 | Aeronautics 1; Aerospace for Today | Aviation | 20053 | G | 1 |
| 49.0112 | Aeronautics 2 | Aviation | 20053 | G | 2 |
| 49.0200 | Vehicle and Equipment Operation, Other | Operation—Other | 20099 | G | 1 |
| 49.0331 | Navigation | Operation—Other | 20099 | G | 1 |
| 47.0521 | Hydraulics and Pneumatics | Energy/Power | 20101 | G | 1 |
| 47.0511 | Power Mechanics 1; Power Conversion 1; Power Technology 1; Energy and Transportation 1 | Power and Mechanics | 20102 | G | 1 |
| 47.0512 | Power Mechanics 2; Power Technology 2; Energy and Transportation 2 | Power and Mechanics | 20102 | G | 2 |
| 47.0513 | Power Mechanics 3 | Power and Mechanics | 20102 | G | 3 |
| 47.0514 | Power Mechanics 4 | Power and Mechanics | 20102 | G | 4 |
| 47.0651 | Consumer Auto; Auto Owner Maintenance | Introduction to Automobiles | 20103 | G | 1 |
| 08.1221 | Automotive Professional Training; Automotive Service Station Operation | Automotive Mechanics—Comprehensive | 20104 | G | 1 |
| 47.0621 | Auto Mechanics 1; Auto Repair; Auto Engines; Vehicle Power | Automotive Mechanics—Comprehensive | 20104 | G | 1 |
| 47.0622 | Auto Mechanics 2; Automotive Technology; Auto Tune-up | Automotive Mechanics—Comprehensive | 20104 | G | 2 |
| 47.0623 | Auto Mechanics 3; Auto Mechanics, Advanced | Automotive Mechanics—Comprehensive | 20104 | G | 3 |
| 47.0600 | Vehicle and Mobile Equipment Mechanics and Repairers, Other | Particular Topics in Automotive Mechanics | 20105 | G | 1 |
| 47.0641 | Auto Service 1; Auto Maintenance | Automotive Service | 20106 | G | 1 |
| 47.0642 | Auto Service 2 | Automotive Service | 20106 | G | 2 |
| 55.9011 | Auto Service 1 | Automotive Service | 20106 | G | 1 |
| 55.9019 | Auto Service 1, not for credit | Automotive Service | 20106 | G | 1 |
| 55.9021 | Auto Service 2 | Automotive Service | 20106 | G | 2 |
| 55.9029 | Auto Service 2, not for credit | Automotive Service | 20106 | G | 2 |
| 47.0321 | Diesel Mechanics | Diesel Mechanics—Comprehensive | 20107 | G | 1 |
| 47.0611 | Small Engine Repair 1; Small Engine Maintenance; Mechanics Trades; Small Gas Engines; Motorcycle and Recreational Vehicle Repair | Small Engine Mechanics | 20110 | G | 1 |
| 47.0612 | Small Engine Repair 2; Mechanics Trades, Advanced | Small Engine Mechanics | 20110 | G | 2 |
| 49.0300 | Water Transportation, Other | Marine Mechanics | 20111 | G | 1 |
| 49.0311 | Marine Mechanics, Basic; Marine Engine and Boat Repair 1 | Marine Mechanics | 20111 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|--|------------------|--------------|-----------------|
| 49.0312 | Marine Mechanics, Advanced; Marine Engine and Boat Repair 2 | Marine Mechanics | 20111 | G | 1 |
| 49.0321 | Boat Building | Marine Mechanics | 20111 | G | 1 |
| 47.0300 | Industrial Equipment Maintenance and Repair, Other | Heavy Equipment Mechanics | 20112 | G | 1 |
| 47.0311 | Industrial Mechanics 1; Heavy Equipment Mechanics; Industrial Equipment Mechanics | Heavy Equipment Mechanics | 20112 | G | 1 |
| 47.0312 | Industrial Mechanics 2 | Heavy Equipment Mechanics | 20112 | G | 2 |
| 47.0671 | Aviation Powerplant 1 | Aircraft Power Plant | 20113 | G | 1 |
| 47.0672 | Aviation Powerplant 2 | Aircraft Power Plant | 20113 | G | 2 |
| 47.0673 | Aviation Powerplant 3 | Aircraft Power Plant | 20113 | G | 3 |
| 47.0674 | Aviation Powerplant 4 | Aircraft Power Plant | 20113 | G | 4 |
| 47.0661 | Airframes 1 | Aircraft Airframe | 20114 | G | 1 |
| 47.0662 | Airframes 2 | Aircraft Airframe | 20114 | G | 2 |
| 47.0691 | Aircraft Sheetmetal 1 | Aircraft Airframe | 20114 | G | 1 |
| 47.0692 | Aircraft Sheetmetal 2 | Aircraft Airframe | 20114 | G | 2 |
| 49.0141 | Aircraft Parts Management 1 | Aircraft Airframe | 20114 | G | 1 |
| 49.0142 | Aircraft Parts Management 2 | Aircraft Airframe | 20114 | G | 2 |
| 47.0631 | Auto Body 1; Auto Body and Fender; Auto Body Repair; Body and Fender | Automotive Body Repair and Refinishing—Comprehensive | 20116 | G | 1 |
| 47.0632 | Auto Body 2; Auto Body Repair, Advanced | Automotive Body Repair and Refinishing—Comprehensive | 20116 | G | 2 |
| 47.0633 | Auto Body 3 | Automotive Body Repair and Refinishing—Comprehensive | 20116 | G | 3 |
| 47.0624 | Auto Mechanics - Cooperative Education 1 | Mechanics and Repair—Workplace Experience | 20148 | G | 1 |
| 47.0625 | Auto Mechanics - Cooperative Education 2 | Mechanics and Repair—Workplace Experience | 20148 | G | 2 |
| 55.9111 | Auto Service, Work Experience 1 | Mechanics and Repair—Workplace Experience | 20148 | G | 1 |
| 55.9119 | Auto Service, Work Experience 1, not for credit | Mechanics and Repair—Workplace Experience | 20148 | G | 1 |
| 55.9121 | Auto Service, Work Experience 2 | Mechanics and Repair—Workplace Experience | 20148 | G | 2 |
| 55.9129 | Auto Service, Work Experience 2, not for credit | Mechanics and Repair—Workplace Experience | 20148 | G | 2 |
| 47.0500 | Stationary Energy Sources, Other | Mechanics and Repair—Other | 20149 | G | 1 |
| 47.0681 | Aviation Quality Control 1 | Mechanics and Repair—Other | 20149 | G | 1 |
| 47.0682 | Aviation Quality Control 2 | Mechanics and Repair—Other | 20149 | G | 2 |
| 47.9900 | Mechanics and Repairers, Other | Mechanics and Repair, Other | 20149 | G | 1 |
| 49.0421 | Transportation/Traffic Technician | Mechanics and Repair—Other | 20149 | G | 1 |
| 08.0761 | Warehousing Industrial and Wholesale Material Handling | Warehouse Operations | 20152 | G | 1 |
| 49.0100 | Air Transportation, Other | Transportation, Distribution, and Logistics—Other | 20999 | G | 1 |
| 49.0341 | Aquatic Occupations; Marine Diving | Transportation, Distribution, and Logistics—Other | 20999 | G | 1 |
| 49.9900 | Transportation and Material Moving, Other | Transportation, Distribution, and Logistics—Other | 20999 | G | 1 |
| 14.0111 | Orientation to Engineering; Pre-Engineering | Pre-Engineering Technology | 21001 | G | 1 |
| 14.1211 | Instrumentation Physics 1 | Engineering Applications | 21002 | G | 1 |
| 14.1212 | Instrumentation Physics 2 | Engineering Applications | 21002 | G | 2 |
| 14.1213 | Instrumentation Physics 3 | Engineering Applications | 21002 | G | 3 |
| 14.1214 | Instrumentation Physics 4 | Engineering Applications | 21002 | G | 4 |
| 15.0821 | Mechanical Engineering Technology | Engineering Technology | 21003 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|------------------------------------|------------------|--------------|-----------------|
| 15.0911 | Mining Technology | Engineering Technology | 21003 | G | 1 |
| 15.0921 | Petroleum Technology | Engineering Technology | 21003 | G | 1 |
| 30.0311 | Engineering Concepts | Engineering—Comprehensive | 21005 | G | 1 |
| 14.0911 | Robotics | Robotics | 21009 | G | 1 |
| 15.0411 | Electromechanical Technology 1; Robotics Technology | Computer Integrated Manufacturing | 21010 | G | 1 |
| 15.0412 | Electromechanical Technology 2 | Computer Integrated Manufacturing | 21010 | G | 2 |
| 14.0800 | Civil Engineering, Other | Civil Engineering | 21011 | G | 1 |
| 15.0221 | Civil Engineering Technician | Civil Engineering | 21011 | G | 1 |
| 14.0400 | Architectural Engineering, Other | Civil Engineering and Architecture | 21012 | G | 1 |
| 14.0200 | Aerospace, Aeronautical, and Astronautical Engineering, Other | Aerospace Engineering | 21013 | G | 1 |
| 14.0211 | Aerospace Materials | Aerospace Engineering | 21013 | G | 1 |
| 14.0221 | Aerospace Engineering Design | Aerospace Engineering | 21013 | G | 1 |
| 14.0500 | Bioengineering and Biomedical Engineering, Other | Biotechnical Engineering | 21014 | G | 1 |
| 14.0300 | Agricultural Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.0411 | Strength of Materials - Architectural | Particular Topics in Engineering | 21015 | G | 1 |
| 14.0600 | Ceramic Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.0700 | Chemical Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.0900 | Computer Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.1000 | Electrical, Electronics and Communications Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.1400 | Environmental Health Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.1500 | Geological Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.1600 | Geophysical Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.1700 | Industrial Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.1800 | Materials Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.1900 | Mechanical Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.1911 | Strength of Materials, Mechanical Technology | Particular Topics in Engineering | 21015 | G | 1 |
| 14.2000 | Metallurgical Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.2100 | Mining and Mineral Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.2200 | Naval Architecture and Marine Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.2300 | Nuclear Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.2400 | Ocean Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.2500 | Petroleum Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.2600 | Surveying and Mapping Sciences, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.2611 | Cartography; Map Making | Particular Topics in Engineering | 21015 | G | 1 |
| 14.2700 | Systems Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 14.2800 | Textile Engineering, Other | Particular Topics in Engineering | 21015 | G | 1 |
| 15.0111 | Structural Engineering Technician | Particular Topics in Engineering | 21015 | G | 1 |
| 14.0121 | Independent Project, Engineering | Engineering-Independent Study | 21047 | G | 1 |
| 14.0100 | Engineering, Other General | Engineering—Other | 21049 | G | 1 |
| 14.1100 | Engineering Mechanics, Other | Engineering—Other | 21049 | G | 1 |
| 14.1200 | Engineering Related, Other | Engineering—Other | 21049 | G | 1 |
| 14.1300 | Engineering Science, Other | Engineering—Other | 21049 | G | 1 |
| 14.9900 | Engineering, Other | Engineering—Other | 21049 | G | 1 |
| 15.0421 | Instrumentation Technology | Technological Processes | 21052 | G | 1 |
| 49.0121 | Aviation Technology 1; Aviation, General; Avionics Technology | Aerospace Technology | 21055 | G | 1 |
| 49.0122 | Aviation Technology 2 | Aerospace Technology | 21055 | G | 2 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED | | |
|-----------|--|--|-------|-------|----------|
| | | | Code | Rigor | Sequence |
| 49.0123 | Aviation Technology 3 | Aerospace Technology | 21055 | G | 3 |
| 49.0124 | Aviation Technology 4 | Aerospace Technology | 21055 | G | 4 |
| 15.0100 | Architectural Technologies, Other | Particular Topics in Technology Applications | 21056 | G | 1 |
| 15.0200 | Civil Technologies, Other | Particular Topics in Technology Applications | 21056 | G | 1 |
| 15.0300 | Electrical and Electronic Technologies, Other | Particular Topics in Technology Applications | 21056 | G | 1 |
| 15.0500 | Environmental Control Technologies, Other | Particular Topics in Technology Applications | 21056 | G | 1 |
| 15.0511 | Environmental Control Technologies | Particular Topics in Technology Applications | 21056 | G | 1 |
| 15.0800 | Mechanical and Related Technologies, Other | Particular Topics in Technology Applications | 21056 | G | 1 |
| 15.0811 | Automotive Design and Technology | Particular Topics in Technology Applications | 21056 | G | 1 |
| 15.0900 | Mining and Petroleum Technologies, Other | Particular Topics in Technology Applications | 21056 | G | 1 |
| 15.0631 | Optics Technology | Technology—Other | 21099 | G | 1 |
| 15.0700 | Quality Control and Safety Technologies, Other | Technology—Other | 21099 | G | 1 |
| 15.0711 | Quality Control Technology | Technology—Other | 21099 | G | 1 |
| 15.0431 | Computer-Assisted Design/Drafting (CAD) | Drafting—General | 21102 | G | 1 |
| 15.0432 | Computer-Assisted Design/Drafting (CAD) 2 | Drafting—General | 21102 | G | 2 |
| 15.0433 | Computer-Assisted Design/Drafting (CAD) 3 | Drafting—General | 21102 | G | 3 |
| 15.0434 | Computer-Assisted Design/Drafting (CAD) 4 | Drafting—General | 21102 | G | 4 |
| 04.0200 | Architecture, Other | Architectural Design | 05192 | G | 1 |
| 04.0211 | Architecture, Introduction | Architectural Design | 05192 | G | 1 |
| 04.0212 | Architecture, Advanced | Architectural Design | 05192 | G | 1 |
| 48.0121 | Architectural Drawing 1; Architectural Drafting | Drafting—Architectural | 21103 | G | 1 |
| 48.0122 | Architectural Drawing 2 | Drafting—Architectural | 21103 | G | 2 |
| 48.0123 | Architectural Drawing 3 | Drafting—Architectural | 21103 | G | 3 |
| 48.0124 | Architectural Drawing 4; Architectural Model Building | Drafting—Architectural | 21103 | G | 4 |
| 15.0211 | Surveying | Drafting-Civil/Structural | 21104 | G | 1 |
| 15.0341 | Electrical/Electronics Engineering Technician | Drafting-Electrical/Electronic | 21105 | G | 1 |
| 48.0111 | Mechanical Drawing 1; Drafting 1; Projection Theory; Drafting Fundamentals | Drafting—Technical/Mechanical | 21106 | G | 1 |
| 48.0112 | Mechanical Drawing 2; Drafting 2; Projection, Applied; Drafting, Technical | Drafting—Technical/Mechanical | 21106 | G | 2 |
| 48.0113 | Mechanical Drawing 3; Machine Drawing; Drafting 3; Illustration, Technical | Drafting—Technical/Mechanical | 21106 | G | 3 |
| 48.0114 | Mechanical Drawing 4 | Drafting—Technical/Mechanical | 21106 | G | 4 |
| 48.0131 | Engineering Drawing 1; Engineering Drafting; Engineering Graphics 1 | Drafting—Technical/Mechanical | 21106 | G | 1 |
| 48.0132 | Engineering Drawing 2; Engineering Graphics 2 | Drafting—Technical/Mechanical | 21106 | G | 2 |
| 48.0141 | Blueprint Reading; Sketching and Blueprint Reading | Blueprint Reading | 21108 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|---|------------------|--------------|-----------------|
| 48.0151 | Drafting 1, Cooperative | Drafting—Workplace Experience | 21148 | G | 1 |
| 48.0152 | Drafting 2, Cooperative | Drafting—Workplace Experience | 21148 | G | 2 |
| 48.0100 | Drafting, Other | Drafting—Other | 21149 | G | 1 |
| 15.9900 | Engineering and Engineering-Related Technologies, Other | Engineering and Technology—Other | 21999 | G | 1 |
| 30.0300 | Engineering and Other Disciplines, Other | Engineering and Technology—Other | 21999 | G | 1 |
| 32.0120 | Test Taking, General (Changed to 32.0221) | Standardized Test Preparation | 22001 | G | 1 |
| 32.0221 | Test Taking | Standardized Test Preparation | 22001 | G | 1 |
| 32.0117 | Study Dynamics (Changed to 32.0211) | Study Skills | 22003 | G | 1 |
| 32.0200 | Basic Skills, General, Other | Study Skills | 22003 | G | 1 |
| 32.0211 | Study Dynamics | Study Skills | 22003 | G | 1 |
| 54.2401 | Functional Academics | Study Skills | 22003 | B | 1 |
| 54.2409 | Functional Academics, not for credit | Study Skills | 22003 | B | 1 |
| 56.9101 | Resource Study Skills | Study Skills | 22003 | B | 1 |
| 56.9109 | Resource Study Skills, not for credit | Study Skills | 22003 | B | 1 |
| 35.0141 | Dropout Prevention | Dropout Prevention Program | 22004 | X | 1 |
| 32.0201 | Resource Room (NON Special Ed) | Tutorial | 22005 | X | 1 |
| 52.0701 | Help for Under-Achievers and Disadvantaged Students | Tutorial | 22005 | X | 1 |
| 56.9001 | General Tutorial Services | Tutorial | 22005 | X | 1 |
| 56.9009 | General Tutorial Services, not for credit | Tutorial | 22005 | X | 1 |
| 32.0231 | Individualized Academic Program | Advancement Via Individual Determination (AVID) | 22007 | X | 1 |
| 33.0111 | Student Assistant; Teacher Assistant; Laboratory Assistant; Teacher Cadet; Office Aide; Instructional Assistant; Clerical Aide; School Service | Office Aide | 22051 | X | 1 |
| 25.0100 | Library and Archival Sciences, Other General | Library/AVC Aide | 22053 | G | 1 |
| 25.0111 | Library Science; Library Skills | Library/AVC Aide | 22053 | G | 1 |
| 25.0200 | Archival Science, Other | Library/AVC Aide | 22053 | G | 1 |
| 25.0300 | Library Assisting, Other | Library/AVC Aide | 22053 | G | 1 |
| 25.0311 | Library Assistant; Library Aide | Library/AVC Aide | 22053 | X | 1 |
| 25.0400 | Library Science, Other | Library/AVC Aide | 22053 | G | 1 |
| 25.0500 | Museology, Other | Library/AVC Aide | 22053 | G | 1 |
| 25.9900 | Library and Archival Sciences, Other | Library/AVC Aide | 22053 | G | 1 |
| 33.0141 | Tutoring; Peer Tutoring | Tutoring Practicum | 22054 | X | 1 |
| 20.0154 | Home Economics Leadership | Leadership | 22101 | X | 1 |
| 35.0151 | Leadership | Leadership | 22101 | X | 1 |
| 45.1028 | Political Leadership | Leadership | 22101 | X | 1 |
| 32.0241 | Orientation; Transition to High School | School Orientation | 22102 | X | 1 |
| 33.0131 | Student Government; Assembly | School Governance | 22103 | X | 1 |
| 33.0151 | Community Service; Community Involvement | Community Service | 22104 | X | 1 |
| 35.0131 | Peer Counseling | Peer Counseling | 22107 | X | 1 |
| 33.0153 | IB Creativity, Action, and Service | IB Creativity, Action, and Service | 22108 | E | 1 |
| 24.0132 | IB Extended Essay | IB Extended Essay | 22109 | E | 1 |
| 32.0103 | Career Exploration; Vocations, Introduction; Career Development; Work Observational Experience; Career Education; Occupational Exploratory Program | Career Exploration | 22151 | G | 1 |
| 32.0151 | Career Survey | Career Exploration | 22151 | G | 1 |
| 55.0101 | Career Exploration | Career Exploration | 22151 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|---|------------------|--------------|-----------------|
| 55.0109 | Career Exploration, not for credit | Career Exploration | 22151 | G | 1 |
| 55.1001 | General Pre-Vocational Preparation | Career Exploration | 22151 | G | 1 |
| 55.1009 | General Pre-Vocational Preparation, not for credit | Career Exploration | 22151 | G | 1 |
| 56.3201 | Resource Career Exploration/Pre-Vocational Skills | Career Exploration | 22151 | B | 1 |
| 56.3209 | Resource Career Exploration/Pre-Vocational Skills, not for credit | Career Exploration | 22151 | B | 1 |
| 32.0100 | Basic Skills, Career and Employment, Other | Employability Skills | 22152 | G | 1 |
| 32.0102 | Career Preparation; So You Want A Job; Business Opportunities; Job Entry Training; College and Career Planning; Guidance | Employability Skills | 22152 | G | 1 |
| 52.0101 | General (Including Pre-Vocational Programs) EMH | Employability Skills | 22152 | G | 1 |
| 52.0201 | Resource (General) EH | Employability Skills | 22152 | G | 1 |
| 55.0001 | General Prevocational Preparation | Employability Skills | 22152 | G | 1 |
| 55.0009 | General Prevocational Preparation, not for credit | Employability Skills | 22152 | G | 1 |
| 55.0401 | Combined Vocational/Academic Preparation | Employability Skills | 22152 | G | 1 |
| 55.0409 | Combined Vocational/Academic Preparation, not for credit | Employability Skills | 22152 | G | 1 |
| 56.3211 | Resource Transition Skills | Employability Skills | 22152 | B | 1 |
| 56.3219 | Resource Transition Skills, not for credit | Employability Skills | 22152 | B | 1 |
| 32.0106 | Cooperative Education 1; Vocational Cooperative Program; Cooperative Training, Diversified | Diversified Occupations | 22153 | G | 1 |
| 32.0107 | Cooperative Education 2 | Diversified Occupations | 22153 | G | 2 |
| 51.0101 | Executive Internship | Miscellaneous—Workplace Experience | 22998 | G | 1 |
| 51.0102 | Executive Internship 2 | Miscellaneous—Workplace Experience | 22998 | G | 2 |
| 51.0103 | International Careers Internship | Miscellaneous—Workplace Experience | 22998 | G | 1 |
| 20.0111 | Home Economics 7; Comprehensive Consumer and Homemaking 7; Homemaking 7 - Middle School Level | Family and Consumer Science—Comprehensive | 22201 | G | 1 |
| 20.0112 | Home Economics 8; Comprehensive Consumer and Homemaking; Homemaking 8 - Middle School Level | Family and Consumer Science—Comprehensive | 22201 | G | 1 |
| 20.0113 | Home Economics 1; Comprehensive Consumer and Homemaking; Homemaking 1; Homemaking, General; Home Arts | Family and Consumer Science—Comprehensive | 22201 | G | 1 |
| 20.0114 | Home Economics 2; Comprehensive Consumer and Homemaking Home Economics 2; Homemaking 2 | Family and Consumer Science—Comprehensive | 22201 | G | 2 |
| 20.0115 | Home Economics 3; Comprehensive Consumer and Homemaking Home Economics 3; Homemaking 3 | Family and Consumer Science—Comprehensive | 22201 | G | 3 |
| 20.0116 | Home Economics 4; Comprehensive Consumer and Homemaking Home Economics 4; Homemaking 4 | Family and Consumer Science—Comprehensive | 22201 | G | 4 |
| 20.0191 | Home Management 1 | Family and Consumer Science—Comprehensive | 22201 | G | 1 |
| 20.0192 | Home Management 2 | Family and Consumer Science—Comprehensive | 22201 | G | 2 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|---|------------------|--------------|-----------------|
| 20.0651 | Consumer Aide | Family and Consumer Science— Comprehensive | 22201 | G | 1 |
| 55.4011 | General Home Economics 1 | Family and Consumer Science— Comprehensive | 22201 | G | 1 |
| 55.4019 | General Home Economics 1, not for credit | Family and Consumer Science— Comprehensive | 22201 | G | 1 |
| 55.4021 | General Home Economics 2 | Family and Consumer Science— Comprehensive | 22201 | G | 2 |
| 55.4029 | General Home Economics 2, not for credit | Family and Consumer Science— Comprehensive | 22201 | G | 2 |
| 55.4031 | General Home Economics 3 | Family and Consumer Science— Comprehensive | 22201 | G | 3 |
| 55.4039 | General Home Economics 3, not for credit | Family and Consumer Science— Comprehensive | 22201 | G | 3 |
| 19.0500 | Food Sciences and Human Nutrition, Other | Food and Nutrition | 22202 | G | 1 |
| 20.0181 | Foods and Nutrition 7 - Middle School Level | Food and Nutrition | 22202 | G | 1 |
| 20.0182 | Foods and Nutrition 8 - Middle School Level | Food and Nutrition | 22202 | G | 1 |
| 20.0183 | Foods 1; Kitchen Survival; Meal Management; Family Meals; Nutrition and Food Management 1; Foods Preparation Basic | Food and Nutrition | 22202 | G | 1 |
| 20.0184 | Foods 2; Cooking for Compliments; Nutrition and Food Management 2; Foods Preparation, Intermediate | Food and Nutrition | 22202 | G | 2 |
| 52.0106 | Adaptive Foods EMH | Food and Nutrition | 22202 | G | 1 |
| 55.4311 | Food And Nutrition 1 | Food and Nutrition | 22202 | G | 1 |
| 55.4319 | Food and Nutrition 1, not for credit | Food and Nutrition | 22202 | G | 1 |
| 55.4321 | Food And Nutrition 2 | Food and Nutrition | 22202 | G | 2 |
| 55.4329 | Food and Nutrition 2, not for credit | Food and Nutrition | 22202 | G | 2 |
| 02.0300 | Food Sciences, Other | Food Science | 22203 | G | 1 |
| 20.0173 | Parenthood; Parent Education; Parenting | Child Development/Parenting | 22204 | G | 1 |
| 19.0900 | Textiles and Clothing, Other | Clothing/Sewing | 22205 | G | 1 |
| 20.0131 | Clothing 7 - Middle School Level | Clothing/Sewing | 22205 | G | 1 |
| 20.0132 | Clothing 8 - Middle School Level | Clothing/Sewing | 22205 | G | 1 |
| 20.0133 | Clothing 1; Sewing, Introduction; Sewing 1; Textiles and Clothing 1; Clothing Construction | Clothing/Sewing | 22205 | G | 1 |
| 20.0134 | Clothing 2; Sewing, Intermediate; Sewing 2; Textiles and Clothing 2; Clothing Construction, Intermediate | Clothing/Sewing | 22205 | G | 2 |
| 20.0135 | Clothing 3; Sewing 3; Textiles and Clothing 3 | Clothing/Sewing | 22205 | G | 3 |
| 20.0136 | Clothing 4; Sports Wear; Alterations | Clothing/Sewing | 22205 | G | 4 |
| 35.0100 | Interpersonal Skills, Other | Life Skills | 22206 | G | 1 |
| 35.0111 | Interpersonal Relationships | Life Skills | 22206 | G | 1 |
| 35.0121 | Building Human Relationship | Life Skills | 22206 | G | 1 |
| 54.3001 | Activities of Daily And Family Living | Life Skills | 22206 | G | 1 |
| 54.3009 | Activities of Daily and Family Living, not for credit | Life Skills | 22206 | G | 1 |
| 56.9301 | Resource Survival Skills | Life Skills | 22206 | B | 1 |
| 56.9309 | Resource Survival Skills, not for credit | Life Skills | 22206 | B | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|--|---|------------------|--------------|-----------------|
| 37.0111 | Personal Development Techniques; Personal Grooming and Fashion; Personal Management; Personal Culture; Youth and Decisions; Teens Today; Human Studies; Self Development | Self Management | 22207 | G | 1 |
| 19.0700 | Individual and Family Development, Other | Family Living | 22208 | G | 1 |
| 20.0117 | Adult Roles and Functions; Independent Living; Survival Skills; Singles Survival | Family Living | 22208 | E | 1 |
| 20.0171 | Family Relations; Family Sociology; Family Living | Family Living | 22208 | G | 1 |
| 20.0172 | Marriage Society and Change; Lifestyles | Family Living | 22208 | G | 1 |
| 37.0100 | Personal Awareness, Other | Personal Development | 22209 | G | 1 |
| 37.0121 | Coping with Personal Problems; Personal Adjustment | Personal Development | 22209 | G | 1 |
| 37.0131 | Self Perception; Self Image | Personal Development | 22209 | G | 1 |
| 20.0141 | Consumer Education; Economic Survival; Economics, Personal; Comparison Buying and Budgeting; Money Management, Personal; You and Your Money | Consumer Economics/Personal Finance | 22210 | G | 1 |
| 20.0142 | Consumer Education 2 | Consumer Economics/Personal Finance | 22210 | G | 2 |
| 19.0600 | Human Environment and Housing, Other | Home Décor | 22211 | G | 1 |
| 20.0118 | Comprehensive Consumer and Homemaking Home Economics, Independent Study | Family and Consumer Science—Independent Study | 22247 | G | 1 |
| 19.0100 | Home Economics, Other General | Family and Consumer Science—Other | 22249 | G | 1 |
| 19.0200 | Business Home Economics, Other | Family and Consumer Science—Other | 22249 | G | 1 |
| 19.0300 | Family and Community Services, Other | Family and Consumer Science—Other | 22249 | G | 1 |
| 19.0400 | Family/Consumer Resource Management, Other | Family and Consumer Science—Other | 22249 | G | 1 |
| 19.0800 | International/Comparative Home Economics, Other | Family and Consumer Science—Other | 22249 | G | 1 |
| 19.9900 | Home Economics, Other | Family and Consumer Science—Other | 22249 | G | 1 |
| 20.0100 | Consumer and Homemaking Home Economics, Other | Family and Consumer Science—Other | 22249 | G | 1 |
| 20.0600 | Institutional, Home Management, and Supporting Services, Other | Family and Consumer Science—Other | 22249 | G | 1 |
| 55.4411 | Home Economics Work Study 1 | Human Services—Work Experience | 19998 | G | 1 |
| 55.4419 | Home Economics Work Study 1, not for credit | Human Services—Work Experience | 19998 | G | 1 |
| 55.4421 | Home Economics Work Study 2 | Human Services—Work Experience | 19998 | G | 2 |
| 55.4429 | Home Economics Work Study 2, not for credit | Human Services—Work Experience | 19998 | G | 2 |
| 55.4511 | Home Economics Work Experience 1 | Human Services—Work Experience | 19998 | G | 1 |
| 55.4519 | Home Economics Work Experience 1, not for credit | Human Services—Work Experience | 19998 | G | 1 |
| 55.4521 | Home Economics Work Experience 2 | Human Services—Work Experience | 19998 | G | 2 |
| 55.4529 | Home Economics Work Experience 2, not for credit | Human Services—Work Experience | 19998 | G | 2 |
| 54.3401 | Functional Transition Skills | Community Living | 22251 | B | 1 |
| 54.3409 | Functional Transition Skills, not for credit | Community Living | 22251 | B | 1 |
| 56.2301 | Resource Language Arts/English | Communication Instruction | 22252 | G | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED Code | Rigor | Sequence |
|------------------|---|---------------------------------------|------------------|--------------|-----------------|
| 56.2302 | Developmental English 2/Resource ESE AAP English 2 | Communication Instruction | 22252 | G | 2 |
| 56.2303 | Developmental English 3/Resource ESE AAP English 3 | Communication Instruction | 22252 | G | 3 |
| 56.2304 | Developmental English 4/Resource ESE AAP English 4 | Communication Instruction | 22252 | G | 4 |
| 56.2309 | Resource Language Arts/English, not for credit | Communication Instruction | 22252 | G | 1 |
| 56.2321 | Resource Writing | Communication Instruction | 22252 | B | 1 |
| 52.0202 | Self Contained EH | Social Development Instruction | 22253 | G | 1 |
| 52.0305 | General Deaf | Social Development Instruction | 22253 | G | 1 |
| 52.0401 | General Blind | Social Development Instruction | 22253 | G | 1 |
| 54.3101 | Social/Behavioral Skills | Social Development Instruction | 22253 | G | 1 |
| 54.3109 | Social/Behavioral Skills, not for credit | Social Development Instruction | 22253 | G | 1 |
| 56.9201 | School and Social Survival Skills | Social Development Instruction | 22253 | G | 1 |
| 56.9209 | School and Social Survival Skills, not for credit | Social Development Instruction | 22253 | G | 1 |
| 32.0112 | Speech Development (Changed to 56.9401) | Developmental Support | 22254 | G | 1 |
| 32.0114 | Voice, Developmental (Changed to 56.9401) | Developmental Support | 22254 | G | 1 |
| 52.0601 | Learning Disabilities Other | Developmental Support | 22254 | G | 1 |
| 52.0801 | Speech Impairment General | Developmental Support | 22254 | G | 1 |
| 52.0901 | Physically Disabled (General) | Developmental Support | 22254 | G | 1 |
| 52.1001 | Multihandicapped (General) | Developmental Support | 22254 | G | 1 |
| 52.1101 | Severely Mentally Retarded (General) | Developmental Support | 22254 | G | 1 |
| 54.9401 | Handicapped Developmental Support Services | Developmental Support | 22254 | G | 1 |
| 54.9409 | Handicapped Developmental Support Services, not for credit | Developmental Support | 22254 | G | 1 |
| 56.9401 | Handicap Specific Support Services | Developmental Support | 22254 | G | 1 |
| 56.9409 | Handicap Specific Support Services, not for credit | Developmental Support | 22254 | G | 1 |
| 24.0131 | Independent Study; Beyond Regular Study; Mentorship | Miscellaneous—Independent Study | 22997 | G | 1 |
| 24.0171 | Internship, Other | Miscellaneous—Workplace Experience | 22998 | G | 1 |
| 32.0104 | Work Experience; Job Entry | Miscellaneous—Workplace Experience | 22998 | G | 1 |
| 32.0105 | Work Experience, Advanced; Job Training | Miscellaneous—Workplace Experience | 22998 | G | 1 |
| 52.0110 | Work Program (OJT Off Campus) EMH | Miscellaneous—Workplace Experience | 22998 | G | 1 |
| 52.0902 | Physically Disabled Work Program | Miscellaneous—Workplace Experience | 22998 | G | 1 |
| 55.0201 | General Work-Study/Experience | Miscellaneous—Workplace Experience | 22998 | G | 1 |
| 55.0209 | General Work-Study/Experience, not for credit | Miscellaneous—Workplace Experience | 22998 | G | 1 |
| 55.0301 | General Work Experience | Miscellaneous—Workplace Experience | 22998 | G | 1 |
| 55.0309 | General Work Experience, not for credit | Miscellaneous—Workplace Experience | 22998 | G | 1 |
| 24.0121 | Summer Abroad | Miscellaneous—Other | 22999 | X | 1 |
| 24.0122 | Domestic/Foreign Travel/Study | Miscellaneous—Other | 22999 | G | 1 |
| 24.0141 | Gifted and Talented Program | Miscellaneous—Other | 22999 | X | 1 |
| 24.0151 | Non-Specific College Level Studies | Miscellaneous—Other | 22999 | C | 1 |

See notes at end of table.

Table A-1. CSSC/SCED Crosswalk—Continued

| CSSC Code | CSSC Course Title(s) | SCED Course Title | SCED | | |
|-----------|--|---------------------|-------|-------|----------|
| | | | Code | Rigor | Sequence |
| 24.0153 | Non-Specific High School Level Studies | Miscellaneous—Other | 22999 | G | 1 |
| 24.0161 | Academic Decathlon | Miscellaneous—Other | 22999 | G | 1 |
| 24.0162 | Academic Competition | Miscellaneous—Other | 22999 | G | 1 |
| 24.0163 | Senior Project | Miscellaneous—Other | 22999 | G | 1 |
| 32.0121 | Off-Campus Vo Tech Training - Unspecified | Miscellaneous—Other | 22999 | G | 1 |
| 32.0131 | Coordinated Vocational and Academic Education (CVAE) | Miscellaneous—Other | 22999 | G | 1 |
| 32.0141 | Joint Effort Training | Miscellaneous—Other | 22999 | X | 1 |
| 32.0242 | Homeroom | Miscellaneous—Other | 22999 | X | 1 |
| 32.0243 | Advisory | Miscellaneous—Other | 22999 | X | 1 |
| 33.0100 | Citizenship/Civic Activities, Other | Miscellaneous—Other | 22999 | X | 1 |
| 33.0152 | EAST; EAST Lab | Miscellaneous—Other | 22999 | G | 1 |
| 52.0501 | Homebound (Home or Hospital for More than 10 Days) | Miscellaneous—Other | 22999 | G | 1 |
| 60.0000 | Uncodeable | | 99999 | | |
| 24.0152 | Specific College Level Studies | | NA | C | 1 |
| 99.0000 | | | | | |

NOTE: Courses with "Pre-IB" in the course title are offered in preparation for the International Baccalaureate (IB) program. Pre-IB courses were identified using course-level attribute variables found on the restricted-use school catalog and student transcript data files. Since 2009, NCES has not used CSSC codes for pre-IB courses when coding transcripts.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, High School Transcript Study (HSTS), 1987, 1990, 1994, 1998, 2000, 2005, 2009, High School and Beyond (HS&B), 1982.

Appendix B: Standard Errors for Tables 1–8

Table B-1. Standard errors for table 1: Percentage distribution of high school graduates by grade span of school attended as 10th-graders: 1982, 1992, and 2004

| Lowest grade offered in school attended in 10th grade | 1982 | 1992 | 2004 |
|--|-------------|-------------|-------------|
| Total | † | † | † |
| Grade 5 or lower | 1.09 | 0.82 | 0.83 |
| Grades 6–8 | 1.06 | 0.98 | 0.99 |
| Grade 9 | 1.97 | 1.67 | 1.32 |
| Grade 10 | 1.73 | 1.35 | 0.72 |
| Missing | 0.43 | † | 0.34 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; and Education Longitudinal Study of 2002 (ELS:2002), First Follow-up and High School Transcript Study.

Table B-2. Standard errors for table 2: Percentage distribution of high school graduates' selected characteristics and average number of credits earned in selected subjects, by sample: 1982

| Selected characteristics | All 1982 high school graduates | All 1982 high school graduates minus those attending 10–12 grade span schools in 10th grade |
|-----------------------------------|--------------------------------------|--|
| Total | † | † |
| Sex | | |
| Male | 0.68 | 0.83 |
| Female | 0.68 | 0.83 |
| Race/ethnicity | | |
| White | 0.94 | 1.09 |
| Black | 0.69 | 0.77 |
| Hispanic | 0.43 | 0.53 |
| Asian/Pacific Islander | 0.19 | 0.25 |
| American Indian/Alaska Native | 0.24 | 0.26 |
| Other | 0.16 | 0.19 |
| Parents' education | | |
| Did not complete high school | 0.75 | 0.89 |
| High school credential | 0.34 | 0.39 |
| Less than 2 years of trade school | 0.40 | 0.48 |
| 2 or more years of trade school | 0.40 | 0.46 |
| Less than 2 years of college | 0.43 | 0.50 |
| 2 or more years of college | 0.49 | 0.60 |
| Bachelor's degree | 0.43 | 0.50 |
| Master's or higher degree | 0.37 | 0.46 |
| Don't know | 0.49 | 0.56 |
| Not applicable | 0.30 | 0.37 |
| Family socioeconomic status | | |
| Lowest 25 percent | 0.72 | 0.84 |
| Lower middle 25 percent | 0.64 | 0.77 |
| Upper middle 25 percent | 0.66 | 0.77 |
| Highest 25 percent | 0.81 | 0.98 |
| Missing | 0.25 | 0.27 |
| Not applicable | 0.55 | 0.60 |
| 10th-grade school sector | | |
| Public | 0.74 | 0.91 |
| Religious | 0.46 | 0.60 |
| Private, other | 0.68 | 0.94 |
| Missing | 0.39 | † |
| 10th-grade school urbanicity | | |
| Urban | 1.49 | 1.60 |
| Suburban | 1.99 | 2.35 |
| Rural | 1.88 | 2.26 |

See notes at end of table.

Table B-2. Standard errors for table 2: Percentage distribution of high school graduates' selected characteristics and average number of credits earned in selected subjects, by sample: 1982—Continued

| Selected characteristics | All 1982 high school graduates | All 1982 high school graduates minus those attending 10–12 grade span schools in 10th grade |
|--|---------------------------------------|--|
| 10th-grade mathematics proficiency level | | |
| Lowest 25 percent | 0.70 | 0.82 |
| Lower middle 25 percent | 0.64 | 0.75 |
| Upper middle 25 percent | 0.61 | 0.73 |
| Highest 25 percent | 0.75 | 0.90 |
| Missing | 0.57 | 0.73 |
| Not applicable | 0.55 | 0.60 |
| Educational expectations in 10th grade | | |
| Not complete high school | 0.10 | 0.12 |
| High school credential | 0.63 | 0.74 |
| Less than 2 years of trade school | 0.36 | 0.45 |
| 2 or more years of trade school | 0.44 | 0.51 |
| Less than 2 years of college | 0.21 | 0.25 |
| 2 or more years of college | 0.43 | 0.49 |
| Bachelor's degree | 0.61 | 0.75 |
| Master's degree | 0.38 | 0.44 |
| Other graduate or professional degree | 0.43 | 0.50 |
| Multiple response | 0.13 | 0.15 |
| Refused | 0.11 | 0.13 |
| Missing | 0.65 | 0.70 |
| Average total number of credits earned | | |
| English | 0.03 | 0.03 |
| Math | 0.03 | 0.03 |
| Science | 0.03 | 0.03 |
| Social studies | 0.03 | 0.03 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study.

Table B-3. Standard errors for table 3: Percentage distribution of high school graduates' selected characteristics and average number of credits earned in selected subjects, by sample: 1992

| Selected characteristics | All 1992 high school graduates | All 1992 high school graduates minus those attending 10–12 grade span schools in 10th grade |
|---------------------------------|--------------------------------------|--|
| Total | † | † |
| Sex | | |
| Male | 0.97 | 0.78 |
| Female | 0.97 | 0.78 |
| Race/ethnicity | | |
| White | 1.14 | 1.22 |
| Black | 0.83 | 0.90 |
| Hispanic | 0.73 | 0.75 |
| Asian/Pacific Islander | 0.32 | 0.36 |
| American Indian/Alaska Native | 0.15 | 0.18 |
| Missing | † | † |
| Parents' education | | |
| Did not complete high school | 0.46 | 0.53 |
| High school credential | 0.83 | 0.73 |
| Some college | 1.00 | 0.88 |
| Bachelor's degree | 0.70 | 0.64 |
| Master's degree | 0.77 | 0.46 |
| Graduate or professional degree | 0.61 | 0.38 |
| Don't know | 0.23 | 0.30 |
| Missing | 0.04 | † |
| Family socioeconomic status | | |
| Lowest 25 percent | 0.76 | 0.80 |
| Lower middle 25 percent | 0.87 | 0.78 |
| Upper middle 25 percent | 0.77 | 0.79 |
| Highest 25 percent | 1.20 | 1.02 |
| Missing | 0.39 | † |
| 10th-grade school sector | | |
| Public | 1.07 | 0.83 |
| Catholic | 0.59 | 0.74 |
| Private, other religious | 0.29 | 0.38 |
| Private, not religious | 0.21 | 0.27 |
| Private, not ascertained | † | † |
| Missing | 0.28 | † |
| 10th-grade school urbanicity | | |
| Urban | 1.50 | 1.59 |
| Suburban | 1.86 | 1.98 |
| Rural | 1.80 | 2.02 |
| Missing | † | † |

See notes at end of table.

Table B-3. Standard errors for table 3: Percentage distribution of high school graduates' selected characteristics and average number of credits earned in selected subjects, by sample: 1992—Continued

| Selected characteristics | All 1992 high school graduates | All 1992 high school graduates minus those attending 10–12 grade span schools in 10th grade |
|--|---------------------------------------|--|
| 10th-grade mathematics proficiency level | | |
| Below level 1 | 0.70 | 0.48 |
| Level 1 | 0.73 | 0.66 |
| Level 2 | 0.48 | 0.52 |
| Level 3 | 0.68 | 0.67 |
| Level 4 | 0.93 | 0.73 |
| Missing | 0.57 | 0.59 |
| Test not completed | 0.67 | 0.39 |
| Educational expectations in 10th grade | | |
| Not complete high school | 0.04 | 0.05 |
| High school credential | 0.36 | 0.40 |
| Less than 2 years of trade school | 0.28 | 0.27 |
| 2 or more years of trade school | 0.44 | 0.34 |
| Less than 2 years of college | 0.42 | 0.23 |
| 2 or more years of college | 0.80 | 0.63 |
| Bachelor's degree | 0.88 | 0.77 |
| Master's degree | 0.83 | 0.64 |
| Other graduate or professional degree | 0.86 | 0.50 |
| Refused | 0.02 | 0.03 |
| Missing | 0.09 | 0.11 |
| Average total number of credits earned | | |
| English | 0.02 | 0.02 |
| Math | 0.03 | 0.02 |
| Science | 0.03 | 0.03 |
| Social studies | 0.02 | 0.02 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study.

Table B-4. Standard errors for table 4: Percentage distribution of high school graduates' selected characteristics and average number of credits earned in selected subjects, by sample: 2004

| Selected characteristics | All 2004 high school graduates | All 2004 high school graduates minus those attending 10–12 grade span schools in 10th grade |
|---|--------------------------------------|--|
| Total | † | † |
| Sex | | |
| Male | 0.66 | 0.67 |
| Female | 0.66 | 0.67 |
| Race/ethnicity | | |
| White | 0.94 | 1.00 |
| Black | 0.61 | 0.64 |
| Hispanic | 0.71 | 0.75 |
| Asian/Pacific Islander | 0.29 | 0.29 |
| American Indian/Alaska Native | 0.20 | 0.21 |
| Two or more races | 0.27 | 0.28 |
| Parents' education | | |
| Did not finish high school | 0.33 | 0.35 |
| Earned a high school credential | 0.59 | 0.59 |
| Attended 2-year school, no degree | 0.43 | 0.43 |
| Graduated from 2-year school | 0.45 | 0.46 |
| Attended 4-year college, no bachelor's degree | 0.37 | 0.40 |
| Earned a bachelor's degree | 0.57 | 0.58 |
| Completed master's degree or equivalent | 0.49 | 0.50 |
| Completed graduate or professional degree | 0.33 | 0.34 |
| Family socioeconomic status | | |
| Lowest 25 percent | 0.60 | 0.62 |
| Lower middle 25 percent | 0.58 | 0.59 |
| Upper middle 25 percent | 0.49 | 0.50 |
| Highest 25 percent | 0.74 | 0.77 |
| Not applicable | 0.28 | 0.29 |
| Missing | 0.42 | 0.42 |
| 10th-grade school sector | | |
| Public | 0.31 | 0.34 |
| Catholic | 0.18 | 0.20 |
| Other private | 0.26 | 0.28 |
| Missing | † | † |
| 10th-grade school urbanicity | | |
| Urban | 0.92 | 1.04 |
| Suburban | 0.94 | 1.08 |
| Rural | 0.77 | 0.89 |

See notes at end of table.

Table B-4. Standard errors for table 4: Percentage distribution of high school graduates' selected characteristics and average number of credits earned in selected subjects, by sample: 2004—Continued

| Selected characteristics | All 2004 high school graduates | All 2004 high school graduates minus those attending 10–12 grade span schools in 10th grade |
|---|---------------------------------------|--|
| 10th-grade math achievement | | |
| Lowest 25 percent | 0.60 | 0.62 |
| Lower middle 25 percent | 0.56 | 0.57 |
| Upper middle 25 percent | 0.56 | 0.56 |
| Highest 25 percent | 0.70 | 0.74 |
| Not applicable | 0.28 | 0.29 |
| Educational expectations in 10th grade | | |
| Not complete high school | 0.07 | 0.08 |
| High school credential | 0.26 | 0.27 |
| Attend 2-year institution, may not complete | 0.29 | 0.31 |
| Attend college, not complete 4-year degree | 0.19 | 0.19 |
| Bachelor's degree | 0.57 | 0.60 |
| Master's degree | 0.51 | 0.53 |
| Other graduate or professional degree | 0.48 | 0.51 |
| Not applicable | 0.28 | 0.29 |
| Don't know | 0.37 | 0.37 |
| Missing | 0.42 | 0.42 |
| Highest math course taken in high school | | |
| No math | 0.13 | 0.14 |
| Pre-algebra, general, or consumer math | 0.27 | 0.28 |
| Algebra 1 | 0.33 | 0.35 |
| Geometry | 0.50 | 0.52 |
| Algebra 2 | 0.67 | 0.69 |
| Trigonometry, precalculus, or calculus | 0.81 | 0.85 |
| Not applicable | 0.04 | † |
| Nonrespondent | 0.21 | † |
| Missing | 0.13 | † |
| Average total number of credits earned | | |
| English | 0.03 | 0.03 |
| Math | 0.02 | 0.02 |
| Science | 0.02 | 0.02 |
| Social studies | 0.03 | 0.03 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), First Follow-up and High School Transcript Study.

Table B-5. Standard errors for table 5: Average total English credits earned by high school graduates, by course classification system and selected student and school characteristics: 1982, 1992, 2004, and 2013

| Selected student and school characteristics | 1982 | | 1992 | | 2004 | | 2013 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | CSSC | SCED | CSSC | SCED | CSSC | SCED | SCED |
| Total | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 |
| Sex | | | | | | | |
| Male | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 |
| Female | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 |
| Race/ethnicity | | | | | | | |
| White | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Black | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.11 |
| Hispanic | 0.05 | 0.05 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 |
| Asian/Pacific Islander | 0.06 | 0.09 | 0.04 | 0.03 | 0.05 | 0.05 | 0.06 |
| American Indian/Alaska Native | 0.12 | 0.12 | 0.13 | 0.09 | 0.25 | 0.24 | 0.28 |
| Parents' highest education | | | | | | | |
| High school or less | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | † |
| Some college | 0.04 | 0.04 | 0.02 | 0.02 | 0.03 | 0.03 | † |
| Bachelor's degree or higher | 0.04 | 0.04 | 0.02 | 0.02 | 0.03 | 0.03 | † |
| Educational expectations in high school senior year | | | | | | | |
| High school or less | 0.05 | 0.05 | 0.10 | 0.10 | 0.09 | 0.09 | 0.07 |
| Some college | 0.04 | 0.04 | 0.02 | 0.03 | 0.04 | 0.04 | 0.04 |
| Bachelor's degree | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| Graduate or professional degree | 0.04 | 0.04 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 |
| School sector in high school senior year | | | | | | | |
| Public | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 |
| Private | 0.16 | 0.16 | 0.05 | 0.05 | 0.05 | 0.05 | 0.08 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HLS:09), Base-year, 2013 Update, and High School Transcript Study.

Table B-6. Standard errors for table 6: Average total mathematics credits earned by high school graduates, by course-coding system and selected student and school characteristics: 1982, 1992, 2004, and 2013

| Selected student and school characteristics | 1982 | | 1992 | | 2004 | | 2013 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | CSSC | SCED | CSSC | SCED | CSSC | SCED | SCED |
| Total | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Sex | | | | | | | |
| Male | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.02 | 0.03 |
| Female | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.03 |
| Race/ethnicity | | | | | | | |
| White | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| Black | 0.05 | 0.05 | 0.06 | 0.06 | 0.05 | 0.05 | 0.06 |
| Hispanic | 0.05 | 0.05 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 |
| Asian/Pacific Islander | 0.10 | 0.10 | 0.07 | 0.07 | 0.05 | 0.04 | 0.06 |
| American Indian/Alaska Native | 0.14 | 0.14 | 0.10 | 0.11 | 0.18 | 0.14 | 0.18 |
| Parents' highest education | | | | | | | |
| High school or less | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | † |
| Some college | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | † |
| Bachelor's degree or higher | 0.05 | 0.05 | 0.06 | 0.06 | 0.03 | 0.03 | † |
| Educational expectations in high school senior year | | | | | | | |
| High school or less | 0.05 | 0.04 | 0.07 | 0.08 | 0.07 | 0.06 | 0.08 |
| Some college | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.05 |
| Bachelor's degree | 0.04 | 0.03 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 |
| Graduate or professional degree | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 |
| School sector in high school senior year | | | | | | | |
| Public | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.03 |
| Private | 0.11 | 0.11 | 0.13 | 0.13 | 0.04 | 0.03 | 0.05 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table B-7. Standard errors for table 7: Average total science credits earned by high school graduates, by course-coding system and selected student and school characteristics: 1982, 1992, 2004, and 2013

| Selected student and school characteristics | 1982 | | 1992 | | 2004 | | 2013 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | CSSC | SCED | CSSC | SCED | CSSC | SCED | SCED |
| Total | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 |
| Sex | | | | | | | |
| Male | 0.03 | 0.03 | 0.04 | 0.04 | 0.02 | 0.02 | 0.03 |
| Female | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 |
| Race/ethnicity | | | | | | | |
| White | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 |
| Black | 0.05 | 0.05 | 0.07 | 0.07 | 0.04 | 0.04 | 0.05 |
| Hispanic | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 |
| Asian/Pacific Islander | 0.11 | 0.11 | 0.09 | 0.09 | 0.06 | 0.06 | 0.10 |
| American Indian/Alaska Native | 0.14 | 0.14 | 0.11 | 0.11 | 0.22 | 0.21 | 0.16 |
| Parents' highest education | | | | | | | |
| High school or less | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.03 | † |
| Some college | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | † |
| Bachelor's degree or higher | 0.05 | 0.05 | 0.04 | 0.04 | 0.03 | 0.03 | † |
| Educational expectations in high school senior year | | | | | | | |
| High school or less | 0.04 | 0.04 | 0.08 | 0.08 | 0.06 | 0.06 | 0.05 |
| Some college | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 |
| Bachelor's degree | 0.04 | 0.04 | 0.04 | 0.04 | 0.02 | 0.02 | 0.03 |
| Graduate or professional degree | 0.05 | 0.05 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| School sector in high school senior year | | | | | | | |
| Public | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 |
| Private | 0.08 | 0.08 | 0.09 | 0.09 | 0.04 | 0.04 | 0.06 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table B-8. Standard errors for table 8: Average total social studies/history credits earned by high school graduates, by course-coding system and selected student and school characteristics: 1982, 1992, 2004, and 2013

| Selected student and school characteristics | 1982 | | 1992 | | 2004 | | 2013 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | CSSC | SCED | CSSC | SCED | CSSC | SCED | SCED |
| Total | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 |
| Sex | | | | | | | |
| Male | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| Female | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| Race/ethnicity | | | | | | | |
| White | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| Black | 0.08 | 0.06 | 0.06 | 0.06 | 0.05 | 0.05 | 0.06 |
| Hispanic | 0.04 | 0.04 | 0.07 | 0.07 | 0.05 | 0.05 | 0.05 |
| Asian/Pacific Islander | 0.10 | 0.09 | 0.06 | 0.05 | 0.06 | 0.07 | 0.09 |
| American Indian/Alaska Native | 0.13 | 0.12 | 0.12 | 0.12 | 0.28 | 0.27 | 0.38 |
| Parents' highest education | | | | | | | |
| High school or less | 0.04 | 0.03 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 |
| Some college | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 |
| Bachelor's degree or higher | 0.05 | 0.04 | 0.05 | 0.05 | 0.03 | 0.04 | 0.03 |
| Educational expectations in high school senior year | | | | | | | |
| High school or less | 0.04 | 0.04 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 |
| Some college | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 |
| Bachelor's degree | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| Graduate or professional degree | 0.05 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| School sector in high school senior year | | | | | | | |
| Public | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 |
| Private | 0.10 | 0.10 | 0.07 | 0.08 | 0.07 | 0.07 | 0.08 |

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Appendix C: Tables for SCED-Based Estimates of High School Coursetaking Over Time and Their Standard Errors

Table C-1. Average total credits and total academic credits earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | Average total credits | | | | Average total academic credits ¹ | | | |
|--|-----------------------|-------------|-------------|-------------|---|-------------|-------------|-------------|
| | 1982 | 1992 | 2004 | 2013 | 1982 | 1992 | 2004 | 2013 |
| Total | 22.0 | 24.1 | 25.9 | 26.7 | 14.7 | 17.4 | 19.1 | 19.8 |
| Sex | | | | | | | | |
| Male | 21.8 | 23.9 | 25.8 | 26.5 | 14.5 | 17.0 | 18.4 | 19.2 |
| Female | 22.1 | 24.2 | 26.0 | 26.9 | 14.9 | 17.9 | 19.6 | 20.4 |
| Race/ethnicity ² | | | | | | | | |
| White | 22.0 | 24.1 | 26.1 | 26.9 | 14.9 | 17.5 | 19.3 | 19.9 |
| Black | 21.5 | 23.7 | 25.7 | 27.2 | 14.0 | 16.9 | 18.4 | 20.0 |
| Hispanic | 21.8 | 24.2 | 25.3 | 26.1 | 13.6 | 17.2 | 18.3 | 19.3 |
| Asian/Pacific Islander | 22.9 | 24.8 | 25.9 | 26.8 | 16.2 | 18.3 | 20.0 | 21.0 |
| American Indian/Alaska Native | 21.1 | 23.8 | 25.6 | 26.3 | 13.4 | 15.8 | 17.4 | 18.9 |
| Parents' highest education ³ | | | | | | | | |
| High school or less | 21.7 | 23.5 | 25.7 | 26.4 | 13.7 | 16.2 | 18.0 | † |
| Some college | 22.2 | 24.2 | 25.8 | 26.7 | 15.3 | 17.2 | 18.6 | † |
| Bachelor's degree or higher | 22.4 | 24.5 | 26.1 | 27.1 | 16.5 | 19.1 | 20.0 | † |
| Educational expectations in high school senior year ⁴ | | | | | | | | |
| High school or less | 21.2 | 23.3 | 24.9 | 25.6 | 12.4 | 14.6 | 16.0 | 17.6 |
| Some college | 21.9 | 23.5 | 25.4 | 26.3 | 13.7 | 15.2 | 17.1 | 18.6 |
| Bachelor's degree | 22.3 | 24.3 | 26.0 | 26.8 | 16.1 | 18.2 | 19.3 | 19.9 |
| Graduate or professional degree | 22.6 | 24.6 | 26.4 | 27.2 | 17.0 | 19.1 | 20.5 | 20.9 |
| School sector in high school senior year | | | | | | | | |
| Public | 21.8 | 23.9 | 25.9 | 26.7 | 14.4 | 17.3 | 18.9 | 19.7 |
| Private | 23.6 | 25.2 | 26.6 | 27.8 | 17.1 | 19.1 | 20.4 | 21.2 |

† Not applicable.

¹ Academic credits are those earned in English, mathematics, science, social sciences, fine and performing arts, and foreign languages.² Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.³ Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.⁴ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-1. Standard errors for table C-1: Average total credits and total academic credits earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | Average total credits | | | | Average total academic credits | | | |
|---|-----------------------|-------------|-------------|-------------|--------------------------------|-------------|-------------|-------------|
| | 1982 | 1992 | 2004 | 2013 | 1982 | 1992 | 2004 | 2013 |
| Total | 0.13 | 0.09 | 0.09 | 0.11 | 0.10 | 0.09 | 0.08 | 0.09 |
| Sex | | | | | | | | |
| Male | 0.14 | 0.13 | 0.11 | 0.12 | 0.12 | 0.13 | 0.09 | 0.10 |
| Female | 0.14 | 0.10 | 0.10 | 0.13 | 0.11 | 0.10 | 0.09 | 0.10 |
| Race/ethnicity | | | | | | | | |
| White | 0.15 | 0.10 | 0.11 | 0.13 | 0.11 | 0.10 | 0.09 | 0.10 |
| Black | 0.20 | 0.33 | 0.21 | 0.36 | 0.23 | 0.34 | 0.16 | 0.28 |
| Hispanic | 0.21 | 0.25 | 0.22 | 0.21 | 0.16 | 0.35 | 0.18 | 0.18 |
| Asian/Pacific Islander | 0.25 | 0.19 | 0.20 | 0.38 | 0.27 | 0.32 | 0.23 | 0.25 |
| American Indian/Alaska Native | 0.31 | 0.43 | 0.65 | 0.63 | 0.24 | 0.34 | 0.53 | 0.59 |
| Parents' highest education | | | | | | | | |
| High school or less | 0.14 | 0.14 | 0.13 | 0.14 | 0.11 | 0.16 | 0.11 | † |
| Some college | 0.17 | 0.14 | 0.11 | 0.19 | 0.13 | 0.11 | 0.10 | † |
| Bachelor's degree or higher | 0.16 | 0.12 | 0.12 | 0.14 | 0.18 | 0.10 | 0.10 | † |
| Educational expectations in high school senior year | | | | | | | | |
| High school or less | 0.21 | 0.45 | 0.23 | 0.31 | 0.15 | 0.27 | 0.21 | 0.22 |
| Some college | 0.20 | 0.15 | 0.14 | 0.15 | 0.13 | 0.13 | 0.12 | 0.14 |
| Bachelor's degree | 0.12 | 0.12 | 0.11 | 0.16 | 0.13 | 0.12 | 0.10 | 0.12 |
| Graduate or professional degree | 0.15 | 0.13 | 0.11 | 0.13 | 0.16 | 0.13 | 0.09 | 0.11 |
| School sector in high school senior year | | | | | | | | |
| Public | 0.13 | 0.10 | 0.10 | 0.13 | 0.11 | 0.10 | 0.08 | 0.10 |
| Private | 0.58 | 0.31 | 0.23 | 0.54 | 0.44 | 0.25 | 0.20 | 0.49 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-2. Average total English credits earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|--|------------|------------|------------|------------|
| Total | 3.9 | 4.1 | 4.2 | 4.3 |
| Sex | | | | |
| Male | 3.8 | 4.1 | 4.2 | 4.3 |
| Female | 3.9 | 4.2 | 4.2 | 4.3 |
| Race/ethnicity ¹ | | | | |
| White | 3.9 | 4.1 | 4.1 | 4.2 |
| Black | 4.0 | 4.2 | 4.3 | 4.7 |
| Hispanic | 3.9 | 4.3 | 4.5 | 4.4 |
| Asian/Pacific Islander | 4.0 | 4.1 | 4.3 | 4.4 |
| American Indian/Alaska Native | 3.8 | 4.1 | 4.3 | 4.8 |
| Parents' highest education ² | | | | |
| High school or less | 3.8 | 4.1 | 4.2 | † |
| Some college | 3.9 | 4.1 | 4.2 | † |
| Bachelor's degree or higher | 3.9 | 4.2 | 4.2 | † |
| Educational expectations in high school senior year ³ | | | | |
| High school or less | 3.8 | 4.1 | 4.1 | 4.4 |
| Some college | 3.8 | 4.0 | 4.2 | 4.3 |
| Bachelor's degree | 4.0 | 4.2 | 4.2 | 4.3 |
| Graduate or professional degree | 4.0 | 4.2 | 4.2 | 4.3 |
| School sector in high school senior year | | | | |
| Public | 3.8 | 4.1 | 4.2 | 4.3 |
| Private | 4.2 | 4.3 | 4.3 | 4.3 |

† Not applicable.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: All 1982, 1992, 2004, and 2013 high school graduates took English courses. Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-2. Standard errors for table C-2: Average total English credits earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|---|-------------|-------------|-------------|-------------|
| Total | 0.03 | 0.02 | 0.02 | 0.03 |
| Sex | | | | |
| Male | 0.03 | 0.02 | 0.03 | 0.03 |
| Female | 0.03 | 0.02 | 0.03 | 0.03 |
| Race/ethnicity | | | | |
| White | 0.03 | 0.02 | 0.02 | 0.02 |
| Black | 0.06 | 0.05 | 0.05 | 0.11 |
| Hispanic | 0.05 | 0.06 | 0.05 | 0.05 |
| Asian/Pacific Islander | 0.09 | 0.03 | 0.05 | 0.06 |
| American Indian/Alaska Native | 0.12 | 0.09 | 0.24 | 0.28 |
| Parents' highest education | | | | |
| High school or less | 0.03 | 0.03 | 0.04 | † |
| Some college | 0.04 | 0.02 | 0.03 | † |
| Bachelor's degree or higher | 0.04 | 0.02 | 0.03 | † |
| Educational expectations in high school senior year | | | | |
| High school or less | 0.05 | 0.10 | 0.09 | 0.07 |
| Some college | 0.04 | 0.03 | 0.04 | 0.04 |
| Bachelor's degree | 0.04 | 0.03 | 0.03 | 0.03 |
| Graduate or professional degree | 0.04 | 0.02 | 0.02 | 0.03 |
| School sector in high school senior year | | | | |
| Public | 0.03 | 0.02 | 0.02 | 0.03 |
| Private | 0.16 | 0.05 | 0.05 | 0.08 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-3. Average total mathematics credits earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|--|------------|------------|------------|------------|
| Total | 2.7 | 3.3 | 3.6 | 3.9 |
| Sex | | | | |
| Male | 2.8 | 3.4 | 3.6 | 3.9 |
| Female | 2.7 | 3.3 | 3.6 | 3.9 |
| Race/ethnicity ¹ | | | | |
| White | 2.8 | 3.3 | 3.6 | 3.9 |
| Black | 2.7 | 3.4 | 3.7 | 4.1 |
| Hispanic | 2.5 | 3.3 | 3.4 | 3.8 |
| Asian/Pacific Islander | 3.3 | 3.5 | 3.8 | 4.1 |
| American Indian/Alaska Native | 2.4 | 3.0 | 3.2 | 3.9 |
| Parents' highest education ² | | | | |
| High school or less | 2.5 | 3.1 | 3.4 | † |
| Some college | 2.9 | 3.3 | 3.5 | † |
| Bachelor's degree or higher | 3.2 | 3.6 | 3.7 | † |
| Educational expectations in high school senior year ³ | | | | |
| High school or less | 2.1 | 2.8 | 3.3 | 3.7 |
| Some college | 2.4 | 2.9 | 3.2 | 3.8 |
| Bachelor's degree | 3.2 | 3.5 | 3.6 | 3.9 |
| Graduate or professional degree | 3.4 | 3.7 | 3.8 | 4.0 |
| School sector in high school senior year | | | | |
| Public | 2.7 | 3.3 | 3.6 | 3.9 |
| Private | 3.4 | 3.8 | 3.8 | 4.0 |

† Not applicable.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Almost all 1982, 1992, 2004, and 2013 high school graduates (99.9 to 100 percent) took mathematics courses. Estimates of mathematics credits earned are based on those who took mathematics courses. Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data, a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-3. Standard errors for table C-3: Average total mathematics credits earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|---|-------------|-------------|-------------|-------------|
| Total | 0.03 | 0.02 | 0.02 | 0.02 |
| Sex | | | | |
| Male | 0.03 | 0.04 | 0.02 | 0.03 |
| Female | 0.03 | 0.02 | 0.02 | 0.03 |
| Race/ethnicity | | | | |
| White | 0.03 | 0.03 | 0.03 | 0.03 |
| Black | 0.05 | 0.06 | 0.05 | 0.06 |
| Hispanic | 0.05 | 0.06 | 0.05 | 0.05 |
| Asian/Pacific Islander | 0.10 | 0.07 | 0.04 | 0.06 |
| American Indian/Alaska Native | 0.14 | 0.11 | 0.14 | 0.18 |
| Parents' highest education | | | | |
| High school or less | 0.03 | 0.03 | 0.03 | † |
| Some college | 0.03 | 0.03 | 0.03 | † |
| Bachelor's degree or higher | 0.05 | 0.06 | 0.03 | † |
| Educational expectations in high school senior year | | | | |
| High school or less | 0.04 | 0.07 | 0.06 | 0.08 |
| Some college | 0.03 | 0.03 | 0.03 | 0.05 |
| Bachelor's degree | 0.03 | 0.04 | 0.03 | 0.03 |
| Graduate or professional degree | 0.04 | 0.04 | 0.03 | 0.03 |
| School sector in high school senior year | | | | |
| Public | 0.03 | 0.02 | 0.02 | 0.03 |
| Private | 0.11 | 0.13 | 0.03 | 0.05 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-4. Average total science credits earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|--|------------|------------|------------|------------|
| Total | 2.3 | 3.0 | 3.3 | 3.6 |
| Sex | | | | |
| Male | 2.4 | 3.0 | 3.3 | 3.5 |
| Female | 2.3 | 3.0 | 3.4 | 3.6 |
| Race/ethnicity ¹ | | | | |
| White | 2.4 | 3.1 | 3.4 | 3.6 |
| Black | 2.1 | 2.9 | 3.3 | 3.6 |
| Hispanic | 2.0 | 2.7 | 3.0 | 3.4 |
| Asian/Pacific Islander | 2.7 | 3.3 | 3.7 | 4.1 |
| American Indian/Alaska Native | 2.2 | 2.7 | 3.0 | 3.3 |
| Parents' highest education ² | | | | |
| High school or less | 2.1 | 2.7 | 3.1 | † |
| Some college | 2.5 | 3.0 | 3.2 | † |
| Bachelor's degree or higher | 2.7 | 3.4 | 3.5 | † |
| Educational expectations in high school senior year ³ | | | | |
| High school or less | 1.8 | 2.4 | 2.8 | 3.1 |
| Some college | 2.0 | 2.5 | 2.9 | 3.3 |
| Bachelor's degree | 2.6 | 3.1 | 3.4 | 3.6 |
| Graduate or professional degree | 3.0 | 3.5 | 3.7 | 3.9 |
| School sector in high school senior year | | | | |
| Public | 2.3 | 3.0 | 3.3 | 3.6 |
| Private | 2.6 | 3.2 | 3.6 | 3.8 |

† Not applicable.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Almost all 1982, 1992, 2004, and 2013 high school graduates (98 to 100 percent) took science courses. Estimates of science credits earned are based on those who took science courses. Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data, a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-4. Standard errors for table C-4: Average total science credits earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|---|-------------|-------------|-------------|-------------|
| Total | 0.03 | 0.03 | 0.02 | 0.03 |
| Sex | | | | |
| Male | 0.03 | 0.04 | 0.02 | 0.03 |
| Female | 0.03 | 0.03 | 0.02 | 0.03 |
| Race/ethnicity | | | | |
| White | 0.03 | 0.03 | 0.02 | 0.03 |
| Black | 0.05 | 0.08 | 0.04 | 0.05 |
| Hispanic | 0.04 | 0.05 | 0.03 | 0.05 |
| Asian/Pacific Islander | 0.11 | 0.10 | 0.06 | 0.10 |
| American Indian/Alaska Native | 0.14 | 0.12 | 0.20 | 0.16 |
| Parents' highest education | | | | |
| High school or less | 0.03 | 0.04 | 0.03 | † |
| Some college | 0.04 | 0.03 | 0.03 | † |
| Bachelor's degree or higher | 0.05 | 0.04 | 0.03 | † |
| Educational expectations in high school senior year | | | | |
| High school or less | 0.04 | 0.09 | 0.05 | 0.05 |
| Some college | 0.03 | 0.03 | 0.03 | 0.04 |
| Bachelor's degree | 0.04 | 0.04 | 0.02 | 0.03 |
| Graduate or professional degree | 0.05 | 0.04 | 0.03 | 0.04 |
| School sector in high school senior year | | | | |
| Public | 0.03 | 0.03 | 0.02 | 0.03 |
| Private | 0.08 | 0.09 | 0.04 | 0.06 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-5. Average total social science/history credits earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|--|------------|------------|------------|------------|
| Total | 3.2 | 3.5 | 3.8 | 3.9 |
| Sex | | | | |
| Male | 3.2 | 3.5 | 3.8 | 3.9 |
| Female | 3.2 | 3.5 | 3.9 | 4.0 |
| Race/ethnicity ¹ | | | | |
| White | 3.2 | 3.5 | 3.9 | 3.9 |
| Black | 3.1 | 3.5 | 3.7 | 3.9 |
| Hispanic | 3.1 | 3.3 | 3.7 | 3.9 |
| Asian/Pacific Islander | 3.1 | 3.5 | 3.8 | 4.0 |
| American Indian/Alaska Native | 3.2 | 3.6 | 3.8 | 3.7 |
| Parents' highest education ² | | | | |
| High school or less | 3.2 | 3.4 | 3.8 | † |
| Some college | 3.2 | 3.5 | 3.8 | † |
| Bachelor's degree or higher | 3.3 | 3.7 | 3.9 | † |
| Educational expectations in high school senior year ³ | | | | |
| High school or less | 3.1 | 3.2 | 3.5 | 3.7 |
| Some college | 3.2 | 3.4 | 3.6 | 3.7 |
| Bachelor's degree | 3.3 | 3.6 | 3.8 | 3.9 |
| Graduate or professional degree | 3.3 | 3.6 | 4.0 | 4.1 |
| School sector in high school senior year | | | | |
| Public | 3.1 | 3.5 | 3.8 | 3.9 |
| Private | 3.7 | 3.8 | 4.0 | 4.0 |

† Not applicable.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Almost all 1982, 1992, 2004, and 2013 high school graduates (99.8 to 100 percent) took social science/history courses. Estimates of social science/history credits earned are based on those who took social science/history courses. Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-5. Standard errors for table C-5: Average total social science/history credits earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|---|-------------|-------------|-------------|-------------|
| Total | 0.03 | 0.02 | 0.03 | 0.03 |
| Sex | | | | |
| Male | 0.03 | 0.03 | 0.03 | 0.03 |
| Female | 0.03 | 0.03 | 0.03 | 0.03 |
| Race/ethnicity | | | | |
| White | 0.03 | 0.03 | 0.03 | 0.03 |
| Black | 0.06 | 0.06 | 0.04 | 0.06 |
| Hispanic | 0.04 | 0.07 | 0.05 | 0.05 |
| Asian/Pacific Islander | 0.09 | 0.05 | 0.06 | 0.09 |
| American Indian/Alaska Native | 0.12 | 0.12 | 0.26 | 0.38 |
| Parents' highest education | | | | |
| High school or less | 0.03 | 0.03 | 0.03 | † |
| Some college | 0.03 | 0.03 | 0.03 | † |
| Bachelor's degree or higher | 0.04 | 0.05 | 0.03 | † |
| Educational expectations in high school senior year | | | | |
| High school or less | 0.04 | 0.06 | 0.06 | 0.08 |
| Some college | 0.04 | 0.05 | 0.04 | 0.04 |
| Bachelor's degree | 0.03 | 0.03 | 0.03 | 0.03 |
| Graduate or professional degree | 0.04 | 0.03 | 0.03 | 0.03 |
| School sector in high school senior year | | | | |
| Public | 0.03 | 0.02 | 0.03 | 0.03 |
| Private | 0.10 | 0.08 | 0.07 | 0.08 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-6. Percentage of high school graduates who took any foreign language courses; and among those students, average total foreign language credits earned, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | Percentage who took foreign language courses | | | | Average total foreign language credits earned ¹ | | | |
|--|--|-------------|-------------|-------------|--|------------|------------|------------|
| | 1982 | 1992 | 2004 | 2013 | 1982 | 1992 | 2004 | 2013 |
| Total | 56.5 | 79.9 | 86.4 | 89.6 | 2.0 | 2.2 | 2.3 | 2.3 |
| Sex | | | | | | | | |
| Male | 49.3 | 75.3 | 82.7 | 86.4 | 1.9 | 2.1 | 2.2 | 2.2 |
| Female | 62.7 | 84.3 | 89.8 | 92.6 | 2.1 | 2.4 | 2.4 | 2.4 |
| Race/ethnicity ² | | | | | | | | |
| White | 58.4 | 80.0 | 86.6 | 89.2 | 2.1 | 2.3 | 2.4 | 2.3 |
| Black | 48.4 | 72.1 | 84.4 | 88.6 | 1.7 | 1.9 | 2.0 | 2.2 |
| Hispanic | 48.7 | 87.8 | 86.7 | 91.8 | 1.9 | 2.1 | 2.2 | 2.2 |
| Asian/Pacific Islander | 75.6 | 87.4 | 91.7 | 92.3 | 2.4 | 2.7 | 2.6 | 2.7 |
| American Indian/Alaska Native | 31.7 | 54.1 | 75.0 | 81.0 | 1.7 | 1.7 | 1.8 | 1.7 |
| Parents' highest education ³ | | | | | | | | |
| High school or less | 45.4 | 68.7 | 77.9 | 85.3 | 1.8 | 2.0 | 2.0 | † |
| Some college | 63.0 | 78.5 | 84.9 | 89.2 | 2.1 | 2.1 | 2.2 | † |
| Bachelor's degree or higher | 75.3 | 91.6 | 92.4 | 94.2 | 2.3 | 2.6 | 2.5 | † |
| Educational expectations in high school senior year ⁴ | | | | | | | | |
| High school or less | 27.1 | 48.9 | 52.7 | 68.1 | 1.3 | 1.5 | 1.4 | 1.6 |
| Some college | 45.5 | 61.3 | 71.5 | 83.5 | 1.7 | 1.6 | 1.8 | 1.9 |
| Bachelor's degree | 75.4 | 87.8 | 91.6 | 93.5 | 2.2 | 2.3 | 2.3 | 2.3 |
| Graduate or professional degree | 79.0 | 92.6 | 95.5 | 95.4 | 2.4 | 2.6 | 2.7 | 2.6 |
| School sector in high school senior year | | | | | | | | |
| Public | 53.1 | 78.1 | 85.5 | 89.0 | 1.9 | 2.2 | 2.3 | 2.3 |
| Private | 84.0 | 95.6 | 96.1 | 97.3 | 2.5 | 2.7 | 2.8 | 3.0 |

† Not applicable.

¹ Estimates of foreign language credits earned are based on those who took foreign language courses.² Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.³ Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.⁴ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-6. Standard errors for table C-6: Percentage of high school graduates who took any foreign language courses; and among those students, average total foreign language credits earned, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | Percentage who took foreign language courses | | | | Average total foreign language credits earned | | | |
|--|--|------|------|------|---|------|------|------|
| | 1982 | 1992 | 2004 | 2013 | 1982 | 1992 | 2004 | 2013 |
| Total | 1.06 | 0.88 | 0.60 | 0.63 | 0.03 | 0.03 | 0.02 | 0.03 |
| Sex | | | | | | | | |
| Male | 1.33 | 1.42 | 0.84 | 0.84 | 0.04 | 0.04 | 0.03 | 0.03 |
| Female | 1.25 | 0.89 | 0.62 | 0.67 | 0.04 | 0.04 | 0.03 | 0.04 |
| Race/ethnicity | | | | | | | | |
| White | 1.17 | 0.98 | 0.67 | 0.66 | 0.03 | 0.04 | 0.03 | 0.03 |
| Black | 2.85 | 3.15 | 1.63 | 1.69 | 0.08 | 0.06 | 0.05 | 0.08 |
| Hispanic | 2.12 | 1.66 | 1.62 | 1.28 | 0.06 | 0.08 | 0.05 | 0.05 |
| Asian/Pacific Islander | 3.32 | 3.59 | 1.20 | 2.06 | 0.09 | 0.07 | 0.06 | 0.10 |
| American Indian/Alaska Native | 5.68 | 6.41 | 7.32 | 7.76 | 0.16 | 0.12 | 0.22 | 0.19 |
| Parents' highest education | | | | | | | | |
| High school or less | 1.43 | 1.71 | 1.18 | 1.04 | 0.04 | 0.06 | 0.03 | † |
| Some college | 1.35 | 1.27 | 0.86 | 1.13 | 0.04 | 0.05 | 0.03 | † |
| Bachelor's degree or higher | 1.74 | 1.67 | 0.53 | 0.64 | 0.06 | 0.05 | 0.03 | † |
| Educational expectations in high school senior year | | | | | | | | |
| High school or less | 1.65 | 4.37 | 3.28 | 3.21 | 0.06 | 0.09 | 0.07 | 0.07 |
| Some college | 1.50 | 1.94 | 1.48 | 1.15 | 0.04 | 0.04 | 0.03 | 0.04 |
| Bachelor's degree | 1.52 | 0.95 | 0.57 | 0.91 | 0.04 | 0.05 | 0.03 | 0.04 |
| Graduate or professional degree | 1.61 | 0.74 | 0.46 | 0.50 | 0.05 | 0.05 | 0.03 | 0.05 |
| School sector in high school senior year | | | | | | | | |
| Public | 1.15 | 0.94 | 0.65 | 0.66 | 0.03 | 0.03 | 0.02 | 0.03 |
| Private | 2.42 | 1.33 | 1.17 | 1.34 | 0.09 | 0.11 | 0.06 | 0.08 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-7. Percentage of high school graduates who took any fine and performing arts courses; and among those students, average total fine and performing arts credits earned, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | Percentage who took fine and performing arts courses | | | | Average total fine and performing arts credits earned ¹ | | | |
|---|---|-------------|-------------|-------------|---|------------|------------|------------|
| | 1982 | 1992 | 2004 | 2013 | 1982 | 1992 | 2004 | 2013 |
| Total | 67.7 | 76.7 | 85.4 | 87.2 | 2.1 | 2.2 | 2.4 | 2.4 |
| Sex | | | | | | | | |
| Male | 61.8 | 72.2 | 81.0 | 83.7 | 2.0 | 2.1 | 2.2 | 2.1 |
| Female | 72.8 | 81.1 | 89.6 | 90.5 | 2.2 | 2.3 | 2.6 | 2.6 |
| Race/ethnicity ² | | | | | | | | |
| White | 67.6 | 77.6 | 86.1 | 86.6 | 2.2 | 2.2 | 2.6 | 2.6 |
| Black | 68.4 | 67.2 | 79.6 | 85.8 | 1.8 | 2.2 | 2.1 | 2.1 |
| Hispanic | 66.5 | 78.3 | 87.5 | 89.5 | 1.9 | 2.2 | 2.1 | 2.0 |
| Asian/Pacific Islander | 68.8 | 80.2 | 87.2 | 89.9 | 2.0 | 1.9 | 2.2 | 2.1 |
| American Indian/Alaska Native | 75.3 | 77.0 | 83.7 | 90.6 | 1.7 | 1.9 | 1.8 | 2.0 |
| Parents' highest education ³ | | | | | | | | |
| High school or less | 66.7 | 72.5 | 84.2 | 87.6 | 2.0 | 2.1 | 2.2 | † |
| Some college | 68.0 | 76.8 | 84.3 | 85.2 | 2.1 | 2.2 | 2.4 | † |
| Bachelor's degree or higher | 70.3 | 79.5 | 87.1 | 88.4 | 2.4 | 2.3 | 2.6 | † |
| Educational expectations in high school senior year ⁴ | | | | | | | | |
| High school or less | 66.9 | 69.5 | 79.2 | 86.3 | 2.0 | 1.8 | 2.1 | 1.8 |
| Some college | 69.8 | 71.6 | 84.1 | 85.8 | 2.1 | 2.1 | 2.3 | 2.3 |
| Bachelor's degree | 65.0 | 79.8 | 86.3 | 86.8 | 2.2 | 2.3 | 2.5 | 2.5 |
| Graduate or professional degree | 66.3 | 77.8 | 86.7 | 88.2 | 2.3 | 2.3 | 2.5 | 2.5 |
| School sector in high school senior year | | | | | | | | |
| Public | 67.5 | 76.4 | 85.1 | 87.1 | 2.2 | 2.2 | 2.5 | 2.4 |
| Private | 67.8 | 78.9 | 89.2 | 88.9 | 1.8 | 1.7 | 2.2 | 2.6 |

† Not applicable.

¹ Estimates of fine and performing arts credits earned are based on those who took fine and performing arts courses.² Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.³ Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.⁴ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-7. Standard errors for table C-7: Percentage of high school graduates who took any fine and performing arts courses; and among those students, average total fine and performing arts credits earned, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | Percentage who took fine and performing arts courses | | | | Average total fine and performing arts credits earned | | | |
|---|---|-------------|-------------|-------------|--|-------------|-------------|-------------|
| | 1982 | 1992 | 2004 | 2013 | 1982 | 1992 | 2004 | 2013 |
| Total | 0.96 | 0.97 | 0.75 | 1.01 | 0.04 | 0.05 | 0.04 | 0.05 |
| Sex | | | | | | | | |
| Male | 1.35 | 1.58 | 0.99 | 1.14 | 0.05 | 0.08 | 0.05 | 0.06 |
| Female | 1.10 | 0.97 | 0.83 | 1.19 | 0.05 | 0.05 | 0.05 | 0.05 |
| Race/ethnicity | | | | | | | | |
| White | 1.08 | 1.11 | 0.83 | 0.97 | 0.05 | 0.04 | 0.04 | 0.07 |
| Black | 2.31 | 2.81 | 2.19 | 1.99 | 0.08 | 0.19 | 0.07 | 0.11 |
| Hispanic | 2.01 | 2.62 | 1.33 | 1.38 | 0.06 | 0.28 | 0.08 | 0.07 |
| Asian/Pacific Islander | 3.27 | 2.60 | 1.59 | 2.77 | 0.14 | 0.09 | 0.09 | 0.09 |
| American Indian/Alaska Native | 4.50 | 4.37 | 9.35 | 6.86 | 0.21 | 0.22 | 0.28 | 0.28 |
| Parents' highest education | | | | | | | | |
| High school or less | 1.36 | 1.66 | 1.23 | 1.11 | 0.05 | 0.10 | 0.05 | † |
| Some college | 1.24 | 1.28 | 1.01 | 1.79 | 0.05 | 0.05 | 0.05 | † |
| Bachelor's degree or higher | 1.87 | 2.16 | 0.84 | 0.90 | 0.09 | 0.07 | 0.06 | † |
| Educational expectations in high school senior year | | | | | | | | |
| High school or less | 1.85 | 3.32 | 2.93 | 1.92 | 0.07 | 0.10 | 0.14 | 0.09 |
| Some college | 1.30 | 1.88 | 1.36 | 1.52 | 0.06 | 0.09 | 0.05 | 0.06 |
| Bachelor's degree | 1.54 | 1.25 | 0.93 | 1.10 | 0.07 | 0.08 | 0.06 | 0.09 |
| Graduate or professional degree | 1.66 | 2.08 | 0.99 | 1.19 | 0.08 | 0.10 | 0.06 | 0.07 |
| School sector in high school senior year | | | | | | | | |
| Public | 0.97 | 0.89 | 0.80 | 0.97 | 0.04 | 0.05 | 0.04 | 0.04 |
| Private | 4.21 | 5.74 | 1.86 | 2.32 | 0.11 | 0.07 | 0.12 | 0.39 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-8. Percentage of high school graduates who took any computer and information science courses; and among those students, average total computer and information science credits earned, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | Percentage who took computer and information science courses | | | | Average total computer and information science credits earned ¹ | | | |
|--|--|-------------|-------------|-------------|--|------------|------------|------------|
| | 1982 | 1992 | 2004 | 2013 | 1982 | 1992 | 2004 | 2013 |
| Total | 12.0 | 49.7 | 55.3 | 50.4 | 0.8 | 0.8 | 1.1 | 1.0 |
| Sex | | | | | | | | |
| Male | 13.8 | 49.0 | 59.0 | 53.1 | 0.8 | 0.8 | 1.1 | 1.1 |
| Female | 10.5 | 50.4 | 51.7 | 47.8 | 0.8 | 0.8 | 1.0 | 1.0 |
| Race/ethnicity ² | | | | | | | | |
| White | 13.2 | 49.2 | 53.0 | 50.8 | 0.8 | 0.8 | 1.1 | 1.0 |
| Black | 9.5 | 48.7 | 61.0 | 52.1 | 0.8 | 0.9 | 1.2 | 1.1 |
| Hispanic | 6.6 | 54.4 | 61.3 | 51.4 | 0.8 | 0.9 | 1.0 | 1.0 |
| Asian/Pacific Islander | 16.5 | 54.9 | 56.2 | 40.7 | 1.0 | 0.8 | 1.2 | 1.2 |
| American Indian/Alaska Native | ‡ | 43.9 | 53.1 | 33.8 ! | 0.8 | 0.8 | 1.0 | 0.9 |
| Parents' highest education ³ | | | | | | | | |
| High school or less | 10.6 | 52.2 | 58.5 | 52.1 | 0.9 | 0.8 | 1.1 | † |
| Some college | 13.2 | 50.7 | 55.5 | 52.9 | 0.8 | 0.9 | 1.0 | † |
| Bachelor's degree or higher | 15.2 | 48.3 | 53.1 | 48.0 | 0.7 | 0.8 | 1.1 | † |
| Educational expectations in high school senior year ⁴ | | | | | | | | |
| High school or less | 5.8 | 49.9 | 54.8 | 47.4 | 1.0 | 0.8 | 1.0 | 1.0 |
| Some college | 10.7 | 47.6 | 55.8 | 54.7 | 0.8 | 0.8 | 1.1 | 1.0 |
| Bachelor's degree | 16.3 | 54.4 | 56.7 | 51.2 | 0.8 | 0.8 | 1.1 | 1.1 |
| Graduate or professional degree | 15.2 | 47.9 | 53.8 | 48.3 | 0.7 | 0.8 | 1.1 | 1.0 |
| School sector in high school senior year | | | | | | | | |
| Public | 11.8 | 48.8 | 54.7 | 50.1 | 0.8 | 0.9 | 1.1 | 1.1 |
| Private | 14.2 | 58.3 | 60.8 | 54.6 | 0.7 | 0.7 | 0.9 | 0.8 |

† Not applicable.

! Interpret data with caution. Estimate is unstable because the standard error is between 30 and 50 percent of the estimate.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate, or the standard error is 50 percent of the estimate or larger.

¹ Estimates of computer and information science credits earned are based on those who took computer and information science courses.² Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.³ Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.⁴ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-8. Standard errors for table C-8: Percentage of high school graduates who took any computer and information science courses; and among those students, average total computer and information science credits earned, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | Percentage who took computer and information science courses | | | | Average total computer and information science credits earned | | | |
|--|--|-------------|-------------|-------------|--|-------------|-------------|-------------|
| | 1982 | 1992 | 2004 | 2013 | 1982 | 1992 | 2004 | 2013 |
| Total | 0.67 | 1.30 | 1.51 | 1.81 | 0.04 | 0.01 | 0.02 | 0.02 |
| Sex | | | | | | | | |
| Male | 0.89 | 1.71 | 1.49 | 2.02 | 0.05 | 0.02 | 0.03 | 0.03 |
| Female | 0.72 | 1.51 | 1.76 | 1.92 | 0.04 | 0.02 | 0.02 | 0.03 |
| Race/ethnicity | | | | | | | | |
| White | 0.80 | 1.51 | 1.77 | 1.90 | 0.04 | 0.02 | 0.03 | 0.03 |
| Black | 1.31 | 3.49 | 2.42 | 3.00 | 0.07 | 0.05 | 0.04 | 0.04 |
| Hispanic | 0.81 | 3.34 | 3.01 | 3.63 | 0.04 | 0.04 | 0.04 | 0.04 |
| Asian/Pacific Islander | 2.80 | 3.84 | 2.78 | 3.42 | 0.25 | 0.03 | 0.07 | 0.08 |
| American Indian/Alaska Native | † | 8.45 | 9.99 | 11.70 | 0.16 | 0.13 | 0.14 | 0.20 |
| Parents' highest education | | | | | | | | |
| High school or less | 0.88 | 2.13 | 1.75 | 2.30 | 0.07 | 0.03 | 0.03 | † |
| Some college | 0.95 | 1.71 | 1.78 | 2.54 | 0.05 | 0.02 | 0.03 | † |
| Bachelor's degree or higher | 1.42 | 2.09 | 1.75 | 1.89 | 0.03 | 0.02 | 0.03 | † |
| Educational expectations in high school senior year | | | | | | | | |
| High school or less | 0.78 | 4.45 | 3.11 | 3.50 | 0.14 | 0.04 | 0.08 | 0.05 |
| Some college | 0.89 | 2.06 | 2.01 | 2.48 | 0.06 | 0.03 | 0.04 | 0.04 |
| Bachelor's degree | 1.29 | 2.03 | 1.79 | 2.10 | 0.05 | 0.03 | 0.03 | 0.04 |
| Graduate or professional degree | 1.31 | 1.89 | 1.81 | 1.96 | 0.04 | 0.02 | 0.03 | 0.02 |
| School sector in high school senior year | | | | | | | | |
| Public | 0.72 | 1.33 | 1.62 | 1.86 | 0.04 | 0.01 | 0.02 | 0.02 |
| Private | 1.92 | 5.21 | 2.93 | 5.19 | 0.13 | 0.04 | 0.04 | 0.04 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-9. Percentage of high school graduates who took any engineering and technology courses; and among those students, average total engineering and technology credits earned, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | Percentage who took engineering and technology courses | | | | Average total engineering and technology credits earned ¹ | | | |
|--|--|-------------|-------------|-------------|--|------------|------------|------------|
| | 1982 | 1992 | 2004 | 2013 | 1982 | 1992 | 2004 | 2013 |
| Total | 14.0 | 13.0 | 19.2 | 15.9 | 1.3 | 1.2 | 1.2 | 1.3 |
| Sex | | | | | | | | |
| Male | 25.4 | 21.2 | 29.1 | 23.4 | 1.3 | 1.3 | 1.2 | 1.4 |
| Female | 4.1 | 5.0 | 9.9 | 8.7 | 1.0 | 0.9 | 1.0 | 1.0 |
| Race/ethnicity ² | | | | | | | | |
| White | 13.6 | 13.9 | 19.5 | 18.1 | 1.3 | 1.3 | 1.2 | 1.3 |
| Black | 11.4 | 7.2 | 21.1 | 12.3 | 1.4 | 1.2 | 1.2 | 1.4 |
| Hispanic | 17.3 | 12.4 | 15.6 | 13.0 | 1.2 | 1.1 | 1.1 | 1.2 |
| Asian/Pacific Islander | 21.5 | 11.6 | 17.4 | 11.6 | 1.3 | 1.3 | 1.0 | 1.2 |
| American Indian/Alaska Native | 25.9 | ‡ | 37.6 | ‡ | 1.8 | 1.3 | 1.3 | 2.1 ! |
| Parents' highest education ³ | | | | | | | | |
| High school or less | 14.8 | 13.3 | 20.2 | 15.3 | 1.2 | 1.1 | 1.3 | † |
| Some college | 15.0 | 13.4 | 22.0 | 16.4 | 1.4 | 1.3 | 1.2 | † |
| Bachelor's degree or higher | 12.0 | 11.0 | 16.4 | 16.2 | 1.2 | 1.3 | 1.1 | † |
| Educational expectations in high school senior year ⁴ | | | | | | | | |
| High school or less | 12.8 | 13.5 | 27.0 | 18.7 | 1.0 | 1.1 | 1.2 | 1.4 |
| Some college | 15.9 | 15.8 | 24.1 | 16.4 | 1.3 | 1.2 | 1.3 | 1.2 |
| Bachelor's degree | 12.5 | 12.6 | 20.1 | 16.7 | 1.3 | 1.3 | 1.2 | 1.3 |
| Graduate or professional degree | 12.3 | 11.0 | 15.1 | 14.3 | 1.2 | 1.3 | 1.2 | 1.3 |
| School sector in high school senior year | | | | | | | | |
| Public | 14.4 | 13.9 | 20.4 | 16.6 | 1.3 | 1.2 | 1.2 | 1.3 |
| Private | 11.4 | 5.0 | 6.6 | 7.6 | 1.1 | 1.4 | 0.9 | 0.8 |

† Not applicable.

! Interpret data with caution. Estimate is unstable because the standard error is between 30 and 50 percent of the estimate.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate, or the standard error is 50 percent of the estimate or larger.

¹ Estimates of engineering and technology credits earned are based on those who took engineering and technology courses.² Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.³ Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.⁴ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-9. Standard errors for table C-9: Percentage of high school graduates who took any engineering and technology courses; and among those students, average total engineering and technology credits earned, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | Percentage who took engineering and technology courses | | | | Average total engineering and technology credits earned | | | |
|---|--|-------------|-------------|-------------|---|-------------|-------------|-------------|
| | 1982 | 1992 | 2004 | 2013 | 1982 | 1992 | 2004 | 2013 |
| Total | 0.63 | 0.66 | 1.08 | 0.98 | 0.04 | 0.04 | 0.04 | 0.04 |
| Sex | | | | | | | | |
| Male | 1.11 | 1.19 | 1.34 | 1.17 | 0.05 | 0.05 | 0.04 | 0.05 |
| Female | 0.42 | 0.62 | 1.00 | 0.97 | 0.05 | 0.08 | 0.05 | 0.07 |
| Race/ethnicity | | | | | | | | |
| White | 0.67 | 0.81 | 1.23 | 0.92 | 0.05 | 0.05 | 0.05 | 0.05 |
| Black | 1.51 | 1.21 | 2.21 | 2.08 | 0.20 | 0.22 | 0.08 | 0.17 |
| Hispanic | 1.52 | 1.50 | 2.01 | 2.39 | 0.08 | 0.10 | 0.07 | 0.15 |
| Asian/Pacific Islander | 3.12 | 1.66 | 2.05 | 2.01 | 0.13 | 0.10 | 0.08 | 0.09 |
| American Indian/Alaska Native | 7.18 | † | 10.07 | † | 0.44 | 0.19 | 0.23 | 0.78 |
| Parents' highest education | | | | | | | | |
| High school or less | 0.96 | 1.23 | 1.38 | 1.39 | 0.06 | 0.09 | 0.06 | † |
| Some college | 0.92 | 0.89 | 1.34 | 1.67 | 0.07 | 0.06 | 0.05 | † |
| Bachelor's degree or higher | 1.17 | 1.03 | 1.15 | 0.96 | 0.10 | 0.08 | 0.05 | † |
| Educational expectations in high school senior year | | | | | | | | |
| High school or less | 1.23 | 2.05 | 2.96 | 2.96 | 0.06 | 0.17 | 0.13 | 0.24 |
| Some college | 0.99 | 1.35 | 1.71 | 1.51 | 0.07 | 0.07 | 0.08 | 0.09 |
| Bachelor's degree | 1.01 | 0.88 | 1.30 | 1.16 | 0.08 | 0.07 | 0.05 | 0.08 |
| Graduate or professional degree | 1.20 | 1.44 | 1.20 | 1.20 | 0.10 | 0.07 | 0.06 | 0.05 |
| School sector in high school senior year | | | | | | | | |
| Public | 0.67 | 0.70 | 1.16 | 1.04 | 0.05 | 0.04 | 0.04 | 0.04 |
| Private | 2.16 | 1.50 | 1.76 | 1.77 | 0.13 | 0.27 | 0.13 | 0.05 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-10. Percentage distribution of high school graduates' highest level of mathematics course, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | No math | Below algebra 1 | Algebra 1 | Geometry | Algebra 2 | Trigonometry | Other advanced math ¹ | Pre-calculus | Calculus |
|--|---------|-----------------|-----------|----------|-----------|--------------|----------------------------------|--------------|----------|
| Total | | | | | | | | | |
| 1982 graduates | ‡ | 20.5 | 16.8 | 15.6 | 18.8 | 6.9 | 10.4 | 5.2 | 5.7 |
| 1992 graduates | ‡ | 8.6 | 9.7 | 11.0 | 26.5 | 9.7 | 11.6 | 11.7 | 11.2 |
| 2004 graduates | ‡ | 3.1 | 3.8 | 9.9 | 22.6 | 7.4 | 18.5 | 20.5 | 14.2 |
| 2013 graduates | ‡ | 1.0 | 1.7 | 8.4 | 24.4 | 6.7 | 18.8 | 21.9 | 17.0 |
| Among 1982 graduates | | | | | | | | | |
| Sex | | | | | | | | | |
| Male | ‡ | 9.9 | 7.3 | 6.3 | 8.7 | 3.4 | 5.2 | 2.6 | 3.0 |
| Female | ‡ | 10.6 | 9.6 | 9.3 | 10.1 | 3.4 | 5.2 | 2.7 | 2.7 |
| Race/ethnicity ² | | | | | | | | | |
| White | ‡ | 12.9 | 12.3 | 12.5 | 14.9 | 5.8 | 8.8 | 4.5 | 4.8 |
| Black | ‡ | 3.2 | 1.8 | 1.3 | 1.9 | 0.4 | 0.8 | 0.3 | 0.2 ! |
| Hispanic | ‡ | 3.8 | 2.2 | 1.6 | 1.6 | 0.5 | 0.5 | 0.3 | 0.4 |
| Asian/Pacific Islander | ‡ | ‡ | ‡ | 0.2 | 0.3 | 0.1 | 0.2 | 0.2 | 0.3 |
| American Indian/Alaska Native | ‡ | 0.4 ! | 0.2 ! | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ |
| Parents' highest education ³ | | | | | | | | | |
| High school or less | ‡ | 10.8 | 7.9 | 6.3 | 6.8 | 2.0 | 2.9 | 1.4 | 1.1 |
| Some college | ‡ | 6.1 | 6.3 | 7.0 | 9.4 | 3.6 | 5.3 | 2.7 | 3.2 |
| Bachelor's degree or higher | ‡ | 1.3 | 1.6 | 2.8 | 3.3 | 1.8 | 2.7 | 1.7 | 1.9 |
| Educational expectations in high school senior year ⁴ | | | | | | | | | |
| High school or less | ‡ | 8.8 | 5.4 | 2.4 | 2.0 | 0.3 | 0.8 | ‡ | ‡ |
| Some college | ‡ | 7.9 | 7.5 | 6.6 | 6.3 | 1.4 | 2.4 | 0.7 | 0.5 |
| Bachelor's degree | ‡ | 1.8 | 2.2 | 4.7 | 6.4 | 2.7 | 4.0 | 2.3 | 2.2 |
| Graduate or professional degree | ‡ | 0.9 | 1.4 | 2.4 | 4.4 | 2.6 | 3.5 | 2.3 | 3.0 |
| School sector in high school senior year | | | | | | | | | |
| Public | ‡ | 20.0 | 16.1 | 13.8 | 16.5 | 5.5 | 9.0 | 4.2 | 4.6 |
| Private | ‡ | 0.5 | 0.7 | 1.9 | 2.3 | 1.3 | 1.3 | 1.1 | 1.1 |

See notes at end of table.

Table C-10. Percentage distribution of high school graduates' highest level of mathematics course, by selected student and school characteristics: 1982, 1992, 2004, and 2013—Continued

| Characteristic | No math | Below algebra 1 | Algebra 1 | Geometry | Algebra 2 | Trigonometry | Other advanced math ¹ | Pre-calculus | Calculus |
|--|---------|-----------------|-----------|----------|-----------|--------------|----------------------------------|--------------|----------|
| Among 1992 graduates | | | | | | | | | |
| Sex | | | | | | | | | |
| Male | ‡ | 4.8 | 5.1 | 5.4 | 12.5 | 4.6 | 5.5 | 5.8 | 5.9 |
| Female | ‡ | 3.8 | 4.7 | 5.6 | 13.9 | 5.0 | 6.1 | 5.9 | 5.3 |
| Race/ethnicity ² | | | | | | | | | |
| White | ‡ | 6.2 | 6.7 | 7.5 | 20.3 | 7.7 | 9.3 | 9.3 | 9.1 |
| Black | ‡ | 1.3 | 1.4 | 1.8 | 2.6 | 0.8 | 1.1 | 0.8 | 0.7 ! |
| Hispanic | ‡ | 0.7 | 1.2 | 1.4 | 2.4 | 0.7 | 0.8 | 0.8 | 0.5 |
| Asian/Pacific Islander | ‡ | 0.2 ! | 0.3 | 0.2 | 0.9 | 0.3 | 0.3 | 0.8 | 0.9 |
| American Indian/Alaska Native | ‡ | ‡ | ‡ | ‡ | 0.2 | ‡ | ‡ | ‡ | ‡ |
| Parents' highest education | | | | | | | | | |
| High school or less | ‡ | 4.0 | 3.6 | 3.4 | 7.4 | 1.9 | 2.8 | 1.8 | 1.2 |
| Some college | ‡ | 3.3 | 4.3 | 5.3 | 11.4 | 3.9 | 4.8 | 4.9 | 3.7 |
| Bachelor's degree or higher | ‡ | 1.0 ! | 1.2 | 2.1 | 7.2 | 4.3 | 3.8 | 5.7 | 6.9 |
| Educational expectations in high school senior year ⁴ | | | | | | | | | |
| High school or less | ‡ | 1.4 | 1.2 | 0.5 | 1.1 | ‡ | ‡ | ‡ | ‡ |
| Some college | ‡ | 4.8 | 4.5 | 4.6 | 6.9 | 1.2 | 2.2 | 0.6 | ‡ |
| Bachelor's degree | ‡ | 0.9 | 2.0 | 3.2 | 11.4 | 5.2 | 5.0 | 5.5 | 3.6 |
| Graduate or professional degree | ‡ | 0.9 | 1.1 | 2.4 | 7.3 | 3.7 | 4.2 | 6.0 | 8.0 |
| School sector in high school senior year | | | | | | | | | |
| Public | ‡ | 8.6 | 9.6 | 10.4 | 24.7 | 8.2 | 10.1 | 9.6 | 8.9 |
| Private | ‡ | ‡ | ‡ | 0.5 | 1.7 | 1.5 ! | 1.5 | 2.0 | 2.3 ! |

See notes at end of table.

Table C-10. Percentage distribution of high school graduates' highest level of mathematics course, by selected student and school characteristics: 1982, 1992, 2004, and 2013—Continued

| Characteristic | No math | Below algebra 1 | Algebra 1 | Geometry | Algebra 2 | Trigonometry | Other advanced math ¹ | Pre-calculus | Calculus |
|--|---------|-----------------|-----------|----------|-----------|--------------|----------------------------------|--------------|----------|
| Among 2004 graduates | | | | | | | | | |
| Sex | | | | | | | | | |
| Male | ‡ | 1.9 | 2.2 | 5.2 | 10.7 | 3.5 | 8.5 | 9.3 | 7.4 |
| Female | ‡ | 1.2 | 1.6 | 4.8 | 11.9 | 3.9 | 9.9 | 11.2 | 6.9 |
| Race/ethnicity ² | | | | | | | | | |
| White | ‡ | 2.0 | 2.3 | 5.8 | 13.7 | 4.9 | 13.1 | 14.5 | 10.9 |
| Black | ‡ | 0.5 | 0.4 | 1.6 | 3.6 | 1.3 | 2.4 | 2.3 | 0.6 |
| Hispanic | ‡ | 0.5 | 1.0 | 2.2 | 4.3 | 1.0 | 2.2 | 2.4 | 1.1 |
| Asian/Pacific Islander | ‡ | ‡ | ‡ | 0.2 | 0.7 | 0.2 | 0.7 | 1.2 | 1.6 |
| American Indian/Alaska Native | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ |
| Parents' highest education | | | | | | | | | |
| High school or less | ‡ | 1.4 | 1.5 | 3.7 | 6.8 | 1.3 | 4.3 | 3.5 | 1.9 |
| Some college | ‡ | 1.1 | 1.5 | 3.7 | 8.4 | 2.5 | 7.1 | 6.6 | 3.0 |
| Bachelor's degree or higher | ‡ | 0.6 | 0.8 | 2.5 | 7.4 | 3.6 | 7.1 | 10.5 | 9.3 |
| Educational expectations in high school senior year ⁴ | | | | | | | | | |
| High school or less | ‡ | 0.6 | 0.6 | 1.0 | 1.1 | ‡ | 0.6 | ‡ | ‡ |
| Some college | ‡ | 1.3 | 1.5 | 3.5 | 5.8 | 0.9 | 3.9 | 1.6 | ‡ |
| Bachelor's degree | ‡ | ‡ | 0.8 | 3.0 | 9.3 | 3.4 | 7.7 | 9.1 | 4.3 |
| Graduate or professional degree | ‡ | ‡ | 0.4 | 1.8 | 6.1 | 3.2 | 6.3 | 10.7 | 10.6 |
| School sector in high school senior year | | | | | | | | | |
| Public | ‡ | 3.1 | 3.8 | 9.7 | 21.3 | 6.4 | 17.2 | 18.2 | 12.0 |
| Private | ‡ | ‡ | ‡ | 0.2 | 1.3 | 1.0 | 1.3 | 2.3 | 2.2 |

See notes at end of table.

Table C-10. Percentage distribution of high school graduates' highest level of mathematics course, by selected student and school characteristics: 1982, 1992, 2004, and 2013—Continued

| Characteristic | No math | Below algebra 1 | Algebra 1 | Geometry | Algebra 2 | Trigonometry | Other advanced math ¹ | Pre-calculus | Calculus |
|--|---------|-----------------|-----------|----------|-----------|--------------|----------------------------------|--------------|----------|
| Among 2013 graduates | | | | | | | | | |
| Sex | | | | | | | | | |
| Male | ‡ | 0.6 | 1.0 | 4.7 | 11.5 | 3.4 | 8.7 | 10.0 | 8.8 |
| Female | ‡ | 0.4 ! | 0.7 | 3.7 | 12.9 | 3.3 | 10.1 | 11.9 | 8.3 |
| Race/ethnicity ² | | | | | | | | | |
| White | ‡ | 0.7 | 1.1 | 4.0 | 13.3 | 3.5 | 10.5 | 14.1 | 11.6 |
| Black | ‡ | ‡ | ‡ | 0.8 | 3.7 | 1.5 | 3.2 | 2.7 | 1.0 |
| Hispanic | ‡ | ‡ | 0.4 ! | 3.2 | 6.1 | 1.5 | 4.4 | 4.3 | 2.7 |
| Asian/Pacific Islander | ‡ | ‡ | ‡ | ‡ | 0.6 | ‡ | 0.6 | 1.1 | 2.0 |
| American Indian/Alaska Native | ‡ | ‡ | ‡ | ‡ | 0.3 ! | ‡ | ‡ | ‡ | ‡ |
| Educational expectations in high school senior year ⁴ | | | | | | | | | |
| High school or less | ‡ | 0.2 ! | 0.4 | 1.8 | 2.6 | 0.5 | 1.2 | 0.5 | ‡ |
| Some college | ‡ | 0.3 | 0.6 | 2.8 | 6.0 | 1.1 | 3.9 | 2.1 | 0.8 |
| Bachelor's degree | ‡ | ‡ | ‡ | 2.1 | 7.4 | 2.3 | 6.2 | 8.1 | 4.8 |
| Graduate or professional degree | ‡ | ‡ | ‡ | 1.3 | 6.9 | 2.9 | 7.5 | 12.0 | 12.3 |
| School sector in high school senior year | | | | | | | | | |
| Public | ‡ | 1.0 | 1.7 | 8.1 | 23.6 | 6.0 | 17.7 | 19.6 | 14.7 |
| Private | ‡ | ‡ | ‡ | 0.2 ! | 0.8 | 0.7 | 1.1 | 2.4 | 2.4 |

! Interpret data with caution. Estimate is unstable because the standard error is between 30 and 50 percent of the estimate.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate, or the standard error is 50 percent of the estimate or larger.

¹ Includes probability/statistics, non-calculus Advanced Placement (AP) or International Baccalaureate (IB) math courses, and other advanced math courses.

² Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.

³ Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately.

⁴ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below. Detail may not sum to totals due to rounding. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HLS:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-10. Standard errors for table C-10: Percentage distribution of high school graduates' highest level of mathematics course, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | No math | Below algebra 1 | Algebra 1 | Geometry | Algebra 2 | Trigonometry | Other advanced math | Pre-calculus | Calculus |
|---|---------|-----------------|-----------|----------|-----------|--------------|---------------------|--------------|----------|
| Total | | | | | | | | | |
| 1982 graduates | † | 0.72 | 0.63 | 0.64 | 0.69 | 0.47 | 0.66 | 0.43 | 0.43 |
| 1992 graduates | † | 0.59 | 0.52 | 0.62 | 1.06 | 0.72 | 0.70 | 0.60 | 0.84 |
| 2004 graduates | † | 0.25 | 0.29 | 0.52 | 0.74 | 0.66 | 0.86 | 0.76 | 0.54 |
| 2013 graduates | † | 0.18 | 0.27 | 0.67 | 1.09 | 0.59 | 0.99 | 0.59 | 0.79 |
| Among 1982 graduates | | | | | | | | | |
| Sex | | | | | | | | | |
| Male | † | 0.46 | 0.39 | 0.37 | 0.44 | 0.31 | 0.41 | 0.26 | 0.28 |
| Female | † | 0.50 | 0.46 | 0.47 | 0.48 | 0.32 | 0.39 | 0.26 | 0.26 |
| Race/ethnicity | | | | | | | | | |
| White | † | 0.60 | 0.56 | 0.60 | 0.62 | 0.45 | 0.60 | 0.40 | 0.39 |
| Black | † | 0.34 | 0.24 | 0.17 | 0.27 | 0.07 | 0.15 | 0.06 | 0.08 |
| Hispanic | † | 0.25 | 0.20 | 0.15 | 0.14 | 0.07 | 0.08 | 0.06 | 0.07 |
| Asian/Pacific Islander | † | † | † | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 |
| American Indian/Alaska Native | † | 0.14 | 0.07 | † | † | † | † | † | † |
| Parents' highest education | | | | | | | | | |
| High school or less | † | 0.53 | 0.45 | 0.41 | 0.42 | 0.23 | 0.28 | 0.18 | 0.17 |
| Some college | † | 0.41 | 0.40 | 0.44 | 0.48 | 0.29 | 0.41 | 0.28 | 0.29 |
| Bachelor's degree or higher | † | 0.17 | 0.19 | 0.26 | 0.28 | 0.22 | 0.31 | 0.23 | 0.23 |
| Educational expectations in high school senior year | | | | | | | | | |
| High school or less | † | 0.48 | 0.37 | 0.23 | 0.22 | 0.07 | 0.14 | † | † |
| Some college | † | 0.39 | 0.43 | 0.40 | 0.36 | 0.18 | 0.26 | 0.12 | 0.10 |
| Bachelor's degree | † | 0.24 | 0.22 | 0.34 | 0.37 | 0.27 | 0.32 | 0.25 | 0.22 |
| Graduate or professional degree | † | 0.14 | 0.19 | 0.26 | 0.31 | 0.27 | 0.30 | 0.26 | 0.29 |
| School sector in high school senior year | | | | | | | | | |
| Public | † | 0.71 | 0.64 | 0.62 | 0.68 | 0.41 | 0.62 | 0.38 | 0.39 |
| Private | † | 0.11 | 0.11 | 0.23 | 0.21 | 0.25 | 0.25 | 0.22 | 0.19 |

See notes at end of table.

Table SC-10. Standard errors for table C-10: Percentage distribution of high school graduates' highest level of mathematics course, by selected student and school characteristics: 1982, 1992, 2004, and 2013—Continued

| Characteristic | No math | Below algebra 1 | Algebra 1 | Geometry | Algebra 2 | Trigonometry | Other advanced math | Pre-calculus | Calculus |
|---|---------|-----------------|-----------|----------|-----------|--------------|---------------------|--------------|----------|
| Among 1992 graduates | | | | | | | | | |
| Sex | | | | | | | | | |
| Male | † | 0.49 | 0.39 | 0.48 | 0.85 | 0.54 | 0.43 | 0.38 | 0.71 |
| Female | † | 0.30 | 0.33 | 0.35 | 0.74 | 0.40 | 0.42 | 0.41 | 0.38 |
| Race/ethnicity | | | | | | | | | |
| White | † | 0.53 | 0.39 | 0.45 | 1.02 | 0.64 | 0.62 | 0.53 | 0.83 |
| Black | † | 0.17 | 0.33 | 0.39 | 0.26 | 0.19 | 0.19 | 0.20 | 0.22 |
| Hispanic | † | 0.16 | 0.18 | 0.25 | 0.38 | 0.21 | 0.16 | 0.11 | 0.08 |
| Asian/Pacific Islander | † | 0.08 | 0.08 | 0.05 | 0.17 | 0.05 | 0.05 | 0.13 | 0.10 |
| American Indian/Alaska Native | † | † | † | † | 0.06 | † | † | † | † |
| Parents' highest education | | | | | | | | | |
| High school or less | † | 0.32 | 0.31 | 0.29 | 0.76 | 0.29 | 0.33 | 0.26 | 0.15 |
| Some college | † | 0.31 | 0.37 | 0.48 | 0.77 | 0.35 | 0.37 | 0.42 | 0.40 |
| Bachelor's degree or higher | † | 0.47 | 0.14 | 0.24 | 0.47 | 0.59 | 0.31 | 0.38 | 0.87 |
| Educational expectations in high school senior year | | | | | | | | | |
| High school or less | † | 0.14 | 0.20 | 0.08 | 0.29 | † | † | † | † |
| Some college | † | 0.55 | 0.29 | 0.38 | 0.57 | 0.25 | 0.26 | 0.08 | † |
| Bachelor's degree | † | 0.16 | 0.24 | 0.26 | 0.90 | 0.60 | 0.40 | 0.46 | 0.40 |
| Graduate or professional degree | † | 0.16 | 0.15 | 0.36 | 0.57 | 0.32 | 0.34 | 0.35 | 0.85 |
| School sector in high school senior year | | | | | | | | | |
| Public | † | 0.59 | 0.52 | 0.61 | 1.07 | 0.58 | 0.66 | 0.57 | 0.45 |
| Private | † | † | † | 0.14 | 0.26 | 0.45 | 0.21 | 0.24 | 0.79 |

See notes at end of table.

Table SC-10. Standard errors for table C-10: Percentage distribution of high school graduates' highest level of mathematics course, by selected student and school characteristics: 1982, 1992, 2004, and 2013—Continued

| Characteristic | No math | Below algebra 1 | Algebra 1 | Geometry | Algebra 2 | Trigonometry | Other advanced math | Pre-calculus | Calculus |
|---|---------|-----------------|-----------|----------|-----------|--------------|---------------------|--------------|----------|
| Among 2004 graduates | | | | | | | | | |
| Sex | | | | | | | | | |
| Male | † | 0.18 | 0.20 | 0.32 | 0.43 | 0.33 | 0.47 | 0.45 | 0.41 |
| Female | † | 0.15 | 0.18 | 0.34 | 0.50 | 0.40 | 0.54 | 0.52 | 0.33 |
| Race/ethnicity | | | | | | | | | |
| White | † | 0.22 | 0.22 | 0.39 | 0.62 | 0.45 | 0.67 | 0.64 | 0.49 |
| Black | † | 0.11 | 0.09 | 0.20 | 0.33 | 0.24 | 0.29 | 0.25 | 0.09 |
| Hispanic | † | 0.08 | 0.15 | 0.25 | 0.38 | 0.20 | 0.28 | 0.28 | 0.15 |
| Asian/Pacific Islander | † | † | † | 0.04 | 0.09 | 0.04 | 0.09 | 0.12 | 0.17 |
| American Indian/Alaska Native | † | † | † | † | † | † | † | † | † |
| Parents' highest education | | | | | | | | | |
| High school or less | † | 0.16 | 0.17 | 0.26 | 0.38 | 0.17 | 0.34 | 0.26 | 0.18 |
| Some college | † | 0.12 | 0.15 | 0.30 | 0.41 | 0.29 | 0.45 | 0.36 | 0.22 |
| Bachelor's degree or higher | † | 0.11 | 0.13 | 0.20 | 0.34 | 0.36 | 0.40 | 0.53 | 0.46 |
| Educational expectations in high school senior year | | | | | | | | | |
| High school or less | † | 0.10 | 0.11 | 0.13 | 0.14 | † | 0.11 | † | † |
| Some college | † | 0.17 | 0.17 | 0.29 | 0.36 | 0.15 | 0.32 | 0.18 | † |
| Bachelor's degree | † | † | 0.11 | 0.27 | 0.43 | 0.36 | 0.46 | 0.43 | 0.30 |
| Graduate or professional degree | † | † | 0.08 | 0.18 | 0.35 | 0.32 | 0.39 | 0.50 | 0.46 |
| School sector in high school senior year | | | | | | | | | |
| Public | † | 0.25 | 0.29 | 0.52 | 0.75 | 0.65 | 0.86 | 0.73 | 0.52 |
| Private | † | † | † | 0.05 | 0.14 | 0.13 | 0.15 | 0.19 | 0.22 |

See notes at end of table.

Table SC-10. Standard errors for table C-10: Percentage distribution of high school graduates' highest level of mathematics course, by selected student and school characteristics: 1982, 1992, 2004, and 2013—Continued

| Characteristic | No math | Below algebra 1 | Algebra 1 | Geometry | Algebra 2 | Trigonometry | Other advanced math | Pre-calculus | Calculus |
|---|---------|-----------------|-----------|----------|-----------|--------------|---------------------|--------------|----------|
| Among 2013 graduates | | | | | | | | | |
| Sex | | | | | | | | | |
| Male | † | 0.13 | 0.20 | 0.44 | 0.62 | 0.33 | 0.61 | 0.46 | 0.42 |
| Female | † | 0.13 | 0.13 | 0.39 | 0.73 | 0.35 | 0.60 | 0.48 | 0.55 |
| Race/ethnicity | | | | | | | | | |
| White | † | 0.13 | 0.20 | 0.40 | 0.72 | 0.35 | 0.63 | 0.51 | 0.55 |
| Black | † | † | † | 0.17 | 0.46 | 0.36 | 0.40 | 0.30 | 0.21 |
| Hispanic | † | † | 0.14 | 0.43 | 0.59 | 0.28 | 0.53 | 0.38 | 0.37 |
| Asian/Pacific Islander | † | † | † | † | 0.09 | † | 0.10 | 0.13 | 0.33 |
| American Indian/Alaska Native | † | † | † | † | 0.11 | † | † | † | † |
| Educational expectations in high school senior year | | | | | | | | | |
| High school or less | † | 0.08 | 0.10 | 0.26 | 0.30 | 0.11 | 0.20 | 0.13 | † |
| Some college | † | 0.07 | 0.15 | 0.30 | 0.38 | 0.21 | 0.34 | 0.21 | 0.13 |
| Bachelor's degree | † | † | † | 0.26 | 0.46 | 0.29 | 0.46 | 0.36 | 0.36 |
| Graduate or professional degree | † | † | † | 0.18 | 0.48 | 0.28 | 0.49 | 0.51 | 0.61 |
| School sector in high school senior year | | | | | | | | | |
| Public | † | 0.18 | 0.27 | 0.68 | 1.08 | 0.56 | 0.96 | 0.59 | 0.79 |
| Private | † | † | † | 0.06 | 0.11 | 0.17 | 0.16 | 0.18 | 0.23 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-11. Percentage distribution of high school graduates' highest level of science course, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | No science | General science | Specialty science ¹ | Advanced studies ² | AP/IB science ³ |
|--|------------|-----------------|--------------------------------|-------------------------------|----------------------------|
| Total | | | | | |
| 1982 graduates | 4.7 | 67.2 | 15.9 | 12.2 | — |
| 1992 graduates | 0.4 | 60.0 | 19.7 | 19.9 | — |
| 2004 graduates | 0.4 | 46.7 | 30.3 | 11.6 | 11.0 |
| 2013 graduates | ‡ | 41.1 | 37.7 | 5.4 | 15.7 |
| Among 1982 graduates | | | | | |
| Sex | | | | | |
| Male | 2.1 | 30.8 | 7.6 | 5.8 | — |
| Female | 2.7 | 36.3 | 8.3 | 6.3 | — |
| Race/ethnicity ⁴ | | | | | |
| White | 3.4 | 50.8 | 12.3 | 10.1 | — |
| Black | 0.5 | 6.9 | 1.5 | 1.0 | — |
| Hispanic | 0.7 | 7.8 | 1.6 | 0.7 | — |
| Asian/Pacific Islander | ‡ | 0.8 | 0.3 | 0.4 | — |
| American Indian/Alaska Native | ‡ | ‡ | ‡ | ‡ | — |
| Parents' highest education ⁵ | | | | | |
| High school or less | 2.7 | 27.1 | 5.7 | 3.7 | — |
| Some college | 1.4 | 28.4 | 7.8 | 6.0 | — |
| Bachelor's degree or higher | ‡ | 10.5 | 3.1 | 3.3 | — |
| Educational expectations in high school senior year ⁶ | | | | | |
| High school or less | 2.0 | 14.4 | 2.7 | 0.7 | — |
| Some college | 1.9 | 24.1 | 5.3 | 2.2 | — |
| Bachelor's degree | 0.6 | 16.7 | 4.1 | 4.7 | — |
| Graduate or professional degree | ‡ | 11.5 | 3.8 | 5.0 | — |
| School sector in high school senior year | | | | | |
| Public | 4.8 | 60.3 | 13.9 | 10.7 | — |
| Private | 0.1 ! | 6.8 | 2.0 | 1.4 | — |
| Among 1992 graduates | | | | | |
| Sex | | | | | |
| Male | 0.3 | 30.6 | 9.1 | 9.7 | — |
| Female | ‡ | 29.4 | 10.6 | 10.2 | — |
| Race/ethnicity ⁴ | | | | | |
| White | ‡ | 44.1 | 15.8 | 16.0 | — |
| Black | ‡ | 7.4 | 1.6 | 1.6 | — |
| Hispanic | ‡ | 5.8 | 1.5 | 1.2 | — |
| Asian/Pacific Islander | ‡ | 2.3 | 0.6 | 1.0 | — |
| American Indian/Alaska Native | ‡ | 0.5 | 0.2 ! | ‡ | — |
| Parents' highest education | | | | | |
| High school or less | ‡ | 18.1 | 4.3 | 3.6 | — |
| Some college | ‡ | 25.4 | 8.6 | 7.3 | — |
| Bachelor's degree or higher | ‡ | 16.1 | 6.7 | 9.5 | — |

See notes at end of table.

Table C-11. Percentage distribution of high school graduates' highest level of science course, by selected student and school characteristics: 1982, 1992, 2004, and 2013—Continued

| Characteristic | No science | General science | Specialty science ¹ | Advanced studies ² | AP/IB science ³ |
|--|------------|-----------------|--------------------------------|-------------------------------|----------------------------|
| Educational expectations in high school senior year ⁶ | | | | | |
| High school or less | ‡ | 3.6 | 0.6 | 0.3 | — |
| Some college | ‡ | 17.5 | 4.9 | 2.4 | — |
| Bachelor's degree | ‡ | 21.7 | 8.5 | 6.7 | — |
| Graduate or professional degree | ‡ | 16.8 | 5.7 | 11.0 | — |
| School sector in high school senior year | | | | | |
| Public | 0.4 | 54.7 | 17.8 | 17.3 | — |
| Private | ‡ | 5.3 | 1.9 | 2.6 | — |
| Among 2004 graduates | | | | | |
| Sex | | | | | |
| Male | ‡ | 24.0 | 13.5 | 5.4 | 5.4 |
| Female | ‡ | 22.7 | 16.7 | 6.2 | 5.6 |
| Race/ethnicity ⁴ | | | | | |
| White | ‡ | 29.3 | 21.2 | 8.5 | 7.9 |
| Black | ‡ | 6.4 | 4.1 | 1.3 | 0.7 |
| Hispanic | ‡ | 8.8 | 3.6 | 1.1 | 0.9 |
| Asian/Pacific Islander | ‡ | 1.8 | 0.9 | 0.5 | 1.5 |
| American Indian/Alaska Native | ‡ | 0.4 ! | 0.3 ! | ‡ | ‡ |
| Parents' highest education | | | | | |
| High school or less | ‡ | 12.4 | 7.5 | 2.8 | 1.4 |
| Some college | ‡ | 16.7 | 10.6 | 4.1 | 2.3 |
| Bachelor's degree or higher | ‡ | 17.6 | 12.2 | 4.6 | 7.3 |
| Educational expectations in high school senior year ⁶ | | | | | |
| High school or less | ‡ | 2.1 | 1.6 | ‡ | ‡ |
| Some college | ‡ | 9.9 | 6.5 | 1.8 | 0.3 |
| Bachelor's degree | ‡ | 18.5 | 11.7 | 4.7 | 3.0 |
| Graduate or professional degree | ‡ | 15.5 | 10.4 | 4.9 | 8.3 |
| School sector in high school senior year | | | | | |
| Public | 0.4 | 43.0 | 27.9 | 10.6 | 9.7 |
| Private | ‡ | 3.7 | 2.3 | 1.0 | 1.4 |
| Among 2013 graduates | | | | | |
| Sex | | | | | |
| Male | ‡ | 21.7 | 17.3 | 2.4 | 7.3 |
| Female | ‡ | 19.4 | 20.3 | 3.0 | 8.4 |
| Race/ethnicity ⁴ | | | | | |
| White | ‡ | 23.5 | 21.6 | 3.8 | 9.9 |
| Black | ‡ | 5.9 | 5.5 | 0.5 | 1.4 |
| Hispanic | ‡ | 10.2 | 8.9 | 1.0 | 2.6 |
| Asian/Pacific Islander | ‡ | 1.2 | 1.3 | ‡ | 1.9 |
| American Indian/Alaska Native | ‡ | 0.2 ! | 0.3 ! | ‡ | ‡ |

See notes at end of table.

Table C-11. Percentage distribution of high school graduates' highest level of science course, by selected student and school characteristics: 1982, 1992, 2004, and 2013—Continued

| Characteristic | No science | General science | Specialty science ¹ | Advanced studies ² | AP/IB science ³ |
|--|------------|-----------------|--------------------------------|-------------------------------|----------------------------|
| Educational expectations in high school senior year ⁶ | | | | | |
| High school or less | ‡ | 4.1 | 2.9 | 0.2 ! | ‡ |
| Some college | ‡ | 8.5 | 7.7 | 0.7 | 0.8 |
| Bachelor's degree | ‡ | 13.0 | 12.3 | 2.1 | 4.2 |
| Graduate or professional degree | ‡ | 14.3 | 14.8 | 2.5 | 11.9 |
| School sector in high school senior year | | | | | |
| Public | ‡ | 38.3 | 34.7 | 5.1 | 14.2 |
| Private | ‡ | 2.8 | 3.0 | 0.4 | 1.5 |

— Not available.

‡ Not applicable.

! Interpret data with caution. Estimate is unstable because the standard error is between 30 and 50 percent of the estimate.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate, or the standard error is 50 percent of the estimate or larger.

¹ Includes courses such as geology, botany, zoology, and independent studies in biology, chemistry, or physics.² Includes advanced studies in biology, chemistry, physics, and other specialty science (e.g., zoology).³ Includes Advanced Placement (AP) or International Baccalaureate (IB) courses. AP/IB courses were not separated from the "advanced studies" category for 1982 and 1992 high school graduates.⁴ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.⁵ Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately.⁶ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-11. Standard errors for table C-11: Percentage distribution of high school graduates' highest level of science course, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | No science | General science | Specialty science | Advanced studies | AP/IB science |
|---|------------|-----------------|-------------------|------------------|---------------|
| Total | | | | | |
| 1982 graduates | 0.43 | 1.05 | 0.87 | 0.73 | † |
| 1992 graduates | 0.11 | 1.28 | 1.01 | 1.09 | † |
| 2004 graduates | 0.11 | 1.23 | 1.05 | 0.95 | 0.53 |
| 2013 graduates | † | 1.09 | 1.04 | 0.61 | 0.83 |
| Among 1982 graduates | | | | | |
| Sex | | | | | |
| Male | 0.24 | 0.74 | 0.49 | 0.43 | † |
| Female | 0.29 | 0.81 | 0.53 | 0.46 | † |
| Race/ethnicity | | | | | |
| White | 0.35 | 1.06 | 0.76 | 0.67 | † |
| Black | 0.12 | 0.55 | 0.24 | 0.19 | † |
| Hispanic | 0.12 | 0.37 | 0.16 | 0.10 | † |
| Asian/Pacific Islander | † | 0.12 | 0.08 | 0.06 | † |
| American Indian/Alaska Native | † | † | † | † | † |
| Parents' highest education | | | | | |
| High school or less | 0.33 | 0.85 | 0.46 | 0.35 | † |
| Some college | 0.20 | 0.77 | 0.53 | 0.44 | † |
| Bachelor's degree or higher | † | 0.52 | 0.30 | 0.36 | † |
| Educational expectations in high school senior year | | | | | |
| High school or less | 0.25 | 0.62 | 0.30 | 0.15 | † |
| Some college | 0.25 | 0.68 | 0.42 | 0.24 | † |
| Bachelor's degree | 0.11 | 0.59 | 0.36 | 0.38 | † |
| Graduate or professional degree | † | 0.49 | 0.31 | 0.38 | † |
| School sector in high school senior year | | | | | |
| Public | 0.44 | 1.04 | 0.84 | 0.68 | † |
| Private | 0.04 | 0.50 | 0.31 | 0.31 | † |
| Among 1992 graduates | | | | | |
| Sex | | | | | |
| Male | 0.08 | 1.04 | 0.65 | 0.75 | † |
| Female | † | 0.89 | 0.72 | 0.64 | † |
| Race/ethnicity | | | | | |
| White | † | 1.27 | 0.95 | 1.07 | † |
| Black | † | 0.74 | 0.21 | 0.24 | † |
| Hispanic | † | 0.59 | 0.19 | 0.22 | † |
| Asian/Pacific Islander | † | 0.28 | 0.10 | 0.11 | † |
| American Indian/Alaska Native | † | 0.08 | 0.09 | † | † |
| Parents' highest education | | | | | |
| High school or less | † | 0.92 | 0.33 | 0.35 | † |
| Some college | † | 0.95 | 0.77 | 0.55 | † |
| Bachelor's degree or higher | † | 0.77 | 0.61 | 0.89 | † |

See notes at end of table.

Table SC-11. Standard errors for table C-11: Percentage distribution of high school graduates' highest level of science course, by selected student and school characteristics: 1982, 1992, 2004, and 2013—Continued

| Characteristic | No science | General science | Specialty science | Advanced studies | AP/IB science |
|---|------------|-----------------|-------------------|------------------|---------------|
| Educational expectations in high school senior year | | | | | |
| High school or less | † | 0.37 | 0.08 | 0.08 | † |
| Some college | † | 0.85 | 0.44 | 0.31 | † |
| Bachelor's degree | † | 0.91 | 0.85 | 0.49 | † |
| Graduate or professional degree | † | 0.77 | 0.35 | 0.86 | † |
| School sector in high school senior year | | | | | |
| Public | 0.11 | 1.31 | 0.96 | 0.94 | † |
| Private | † | 0.51 | 0.45 | 0.74 | † |
| Among 2004 graduates | | | | | |
| Sex | | | | | |
| Male | † | 0.73 | 0.59 | 0.53 | 0.35 |
| Female | † | 0.76 | 0.67 | 0.51 | 0.33 |
| Race/ethnicity | | | | | |
| White | † | 1.04 | 0.92 | 0.76 | 0.46 |
| Black | † | 0.44 | 0.35 | 0.22 | 0.11 |
| Hispanic | † | 0.66 | 0.33 | 0.30 | 0.12 |
| Asian/Pacific Islander | † | 0.16 | 0.10 | 0.09 | 0.15 |
| American Indian/Alaska Native | † | 0.12 | 0.12 | † | † |
| Parents' highest education | | | | | |
| High school or less | † | 0.54 | 0.47 | 0.35 | 0.15 |
| Some college | † | 0.61 | 0.52 | 0.39 | 0.19 |
| Bachelor's degree or higher | † | 0.68 | 0.53 | 0.42 | 0.45 |
| Educational expectations in high school senior year | | | | | |
| High school or less | † | 0.19 | 0.18 | † | † |
| Some college | † | 0.48 | 0.40 | 0.27 | 0.07 |
| Bachelor's degree | † | 0.64 | 0.53 | 0.45 | 0.23 |
| Graduate or professional degree | † | 0.63 | 0.44 | 0.42 | 0.45 |
| School sector in high school senior year | | | | | |
| Public | 0.11 | 1.23 | 1.03 | 0.95 | 0.51 |
| Private | † | 0.26 | 0.22 | 0.21 | 0.16 |
| Among 2013 graduates | | | | | |
| Sex | | | | | |
| Male | † | 0.66 | 0.69 | 0.30 | 0.50 |
| Female | † | 0.75 | 0.68 | 0.38 | 0.49 |
| Race/ethnicity | | | | | |
| White | † | 0.85 | 0.86 | 0.43 | 0.63 |
| Black | † | 0.57 | 0.53 | 0.12 | 0.27 |
| Hispanic | † | 0.74 | 0.69 | 0.28 | 0.37 |
| Asian/Pacific Islander | † | 0.21 | 0.18 | † | 0.25 |
| American Indian/Alaska Native | † | 0.09 | 0.12 | † | † |

See notes at end of table.

Table SC-11. Standard errors for table C-11: Percentage distribution of high school graduates' highest level of science course, by selected student and school characteristics: 1982, 1992, 2004, and 2013—Continued

| Characteristic | No science | General science | Specialty science | Advanced studies | AP/IB science |
|---|------------|-----------------|-------------------|------------------|---------------|
| Educational expectations in high school senior year | | | | | |
| High school or less | † | 0.31 | 0.33 | 0.09 | † |
| Some college | † | 0.50 | 0.43 | 0.14 | 0.12 |
| Bachelor's degree | † | 0.58 | 0.60 | 0.29 | 0.41 |
| Graduate or professional degree | † | 0.59 | 0.72 | 0.30 | 0.58 |
| School sector in high school senior year | | | | | |
| Public | † | 1.07 | 1.00 | 0.60 | 0.83 |
| Private | † | 0.32 | 0.28 | 0.08 | 0.17 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-12. Average cumulative grade point average earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|--|-------------|-------------|-------------|-------------|
| Total | 2.64 | 2.65 | 2.87 | 2.86 |
| Sex | | | | |
| Male | 2.53 | 2.53 | 2.75 | 2.75 |
| Female | 2.74 | 2.76 | 2.98 | 2.96 |
| Race/ethnicity ¹ | | | | |
| White | 2.72 | 2.71 | 2.99 | 3.01 |
| Black | 2.32 | 2.26 | 2.45 | 2.54 |
| Hispanic | 2.39 | 2.48 | 2.64 | 2.63 |
| Asian/Pacific Islander | 2.96 | 2.90 | 3.09 | 3.14 |
| American Indian/Alaska Native | 2.42 | 2.31 | 2.56 | 2.62 |
| Parents' highest education ² | | | | |
| High school or less | 2.56 | 2.45 | 2.68 | † |
| Some college | 2.71 | 2.62 | 2.78 | † |
| Bachelor's degree or higher | 2.84 | 2.92 | 3.04 | † |
| Educational expectations in high school senior year ³ | | | | |
| High school or less | 2.29 | 2.21 | 2.33 | 2.26 |
| Some college | 2.55 | 2.33 | 2.49 | 2.54 |
| Bachelor's degree | 2.84 | 2.73 | 2.88 | 2.93 |
| Graduate or professional degree | 2.99 | 2.93 | 3.17 | 3.11 |
| School sector in high school senior year | | | | |
| Public | 2.64 | 2.63 | 2.84 | 2.83 |
| Private | 2.69 | 2.78 | 3.09 | 3.20 |

† Not applicable.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-12. Standard errors for table C-12: Average cumulative grade point average earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|---|--------------|--------------|--------------|--------------|
| Total | 0.012 | 0.012 | 0.012 | 0.012 |
| Sex | | | | |
| Male | 0.015 | 0.017 | 0.014 | 0.017 |
| Female | 0.014 | 0.015 | 0.015 | 0.016 |
| Race/ethnicity | | | | |
| White | 0.012 | 0.013 | 0.012 | 0.012 |
| Black | 0.032 | 0.040 | 0.026 | 0.035 |
| Hispanic | 0.024 | 0.033 | 0.028 | 0.027 |
| Asian/Pacific Islander | 0.052 | 0.041 | 0.029 | 0.034 |
| American Indian/Alaska Native | 0.075 | 0.055 | 0.097 | 0.160 |
| Parents' highest education | | | | |
| High school or less | 0.017 | 0.023 | 0.018 | † |
| Some college | 0.015 | 0.019 | 0.015 | † |
| Bachelor's degree or higher | 0.023 | 0.022 | 0.015 | † |
| Educational expectations in high school senior year | | | | |
| High school or less | 0.021 | 0.035 | 0.031 | 0.034 |
| Some college | 0.016 | 0.022 | 0.021 | 0.024 |
| Bachelor's degree | 0.018 | 0.020 | 0.015 | 0.017 |
| Graduate or professional degree | 0.020 | 0.023 | 0.014 | 0.014 |
| School sector in high school senior year | | | | |
| Public | 0.013 | 0.013 | 0.013 | 0.013 |
| Private | 0.033 | 0.046 | 0.022 | 0.029 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-13. Average cumulative English grade point average earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|--|-------------|-------------|-------------|-------------|
| Total | 2.50 | 2.49 | 2.71 | 2.72 |
| Sex | | | | |
| Male | 2.31 | 2.30 | 2.53 | 2.56 |
| Female | 2.67 | 2.67 | 2.89 | 2.88 |
| Race/ethnicity ¹ | | | | |
| White | 2.59 | 2.55 | 2.83 | 2.87 |
| Black | 2.17 | 2.09 | 2.31 | 2.41 |
| Hispanic | 2.19 | 2.27 | 2.49 | 2.50 |
| Asian/Pacific Islander | 2.82 | 2.80 | 2.98 | 3.07 |
| American Indian/Alaska Native | 2.23 | 2.11 | 2.33 | 2.48 |
| Parents' highest education ² | | | | |
| High school or less | 2.41 | 2.25 | 2.48 | † |
| Some college | 2.57 | 2.44 | 2.62 | † |
| Bachelor's degree or higher | 2.75 | 2.81 | 2.92 | † |
| Educational expectations in high school senior year ³ | | | | |
| High school or less | 2.07 | 1.96 | 2.08 | 2.07 |
| Some college | 2.37 | 2.08 | 2.26 | 2.36 |
| Bachelor's degree | 2.76 | 2.59 | 2.74 | 2.79 |
| Graduate or professional degree | 2.92 | 2.84 | 3.07 | 3.00 |
| School sector in high school senior year | | | | |
| Public | 2.48 | 2.46 | 2.69 | 2.70 |
| Private | 2.64 | 2.68 | 2.97 | 3.09 |

† Not applicable.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-13. Standard errors for table C-13: Average cumulative English grade point average earned by high school graduates, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|---|--------------|--------------|--------------|--------------|
| Total | 0.014 | 0.015 | 0.013 | 0.013 |
| Sex | | | | |
| Male | 0.018 | 0.021 | 0.017 | 0.019 |
| Female | 0.016 | 0.018 | 0.016 | 0.017 |
| Race/ethnicity | | | | |
| White | 0.014 | 0.016 | 0.015 | 0.016 |
| Black | 0.037 | 0.044 | 0.031 | 0.039 |
| Hispanic | 0.029 | 0.036 | 0.033 | 0.025 |
| Asian/Pacific Islander | 0.059 | 0.047 | 0.034 | 0.035 |
| American Indian/Alaska Native | 0.112 | 0.083 | 0.112 | 0.163 |
| Parents' highest education | | | | |
| High school or less | 0.021 | 0.029 | 0.021 | † |
| Some college | 0.019 | 0.023 | 0.019 | † |
| Bachelor's degree or higher | 0.028 | 0.023 | 0.018 | † |
| Educational expectations in high school senior year | | | | |
| High school or less | 0.029 | 0.042 | 0.041 | 0.040 |
| Some college | 0.019 | 0.024 | 0.026 | 0.029 |
| Bachelor's degree | 0.021 | 0.023 | 0.017 | 0.021 |
| Graduate or professional degree | 0.025 | 0.025 | 0.017 | 0.017 |
| School sector in high school senior year | | | | |
| Public | 0.015 | 0.015 | 0.015 | 0.015 |
| Private | 0.036 | 0.050 | 0.028 | 0.032 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-14. Average cumulative mathematics grade point average earned by high school graduates who took mathematics courses in high school, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|--|-------------|-------------|-------------|-------------|
| Total | 2.28 | 2.27 | 2.47 | 2.45 |
| Sex | | | | |
| Male | 2.19 | 2.18 | 2.37 | 2.36 |
| Female | 2.36 | 2.35 | 2.57 | 2.54 |
| Race/ethnicity ¹ | | | | |
| White | 2.36 | 2.33 | 2.61 | 2.63 |
| Black | 1.96 | 1.88 | 2.01 | 2.13 |
| Hispanic | 2.05 | 2.05 | 2.19 | 2.18 |
| Asian/Pacific Islander | 2.67 | 2.53 | 2.78 | 2.81 |
| American Indian/Alaska Native | 2.07 | 1.88 | 2.07 | 2.35 |
| Parents' highest education ² | | | | |
| High school or less | 2.23 | 2.08 | 2.28 | † |
| Some college | 2.32 | 2.21 | 2.36 | † |
| Bachelor's degree or higher | 2.45 | 2.57 | 2.68 | † |
| Educational expectations in high school senior year ³ | | | | |
| High school or less | 2.05 | 2.00 | 2.00 | 1.85 |
| Some college | 2.16 | 1.94 | 2.04 | 2.10 |
| Bachelor's degree | 2.43 | 2.32 | 2.46 | 2.49 |
| Graduate or professional degree | 2.63 | 2.55 | 2.82 | 2.75 |
| School sector in high school senior year | | | | |
| Public | 2.27 | 2.24 | 2.44 | 2.42 |
| Private | 2.35 | 2.53 | 2.80 | 2.92 |

† Not applicable.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-14. Standard errors for table C-14: Average cumulative mathematics grade point average earned by high school graduates who took mathematics courses in high school, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|---|--------------|--------------|--------------|--------------|
| Total | 0.014 | 0.016 | 0.015 | 0.015 |
| Sex | | | | |
| Male | 0.018 | 0.023 | 0.019 | 0.020 |
| Female | 0.018 | 0.018 | 0.019 | 0.022 |
| Race/ethnicity | | | | |
| White | 0.015 | 0.018 | 0.017 | 0.016 |
| Black | 0.040 | 0.041 | 0.031 | 0.037 |
| Hispanic | 0.031 | 0.035 | 0.042 | 0.033 |
| Asian/Pacific Islander | 0.084 | 0.059 | 0.039 | 0.046 |
| American Indian/Alaska Native | 0.087 | 0.067 | 0.124 | 0.181 |
| Parents' highest education | | | | |
| High school or less | 0.022 | 0.025 | 0.024 | † |
| Some college | 0.020 | 0.021 | 0.018 | † |
| Bachelor's degree or higher | 0.033 | 0.025 | 0.020 | † |
| Educational expectations in high school senior year | | | | |
| High school or less | 0.027 | 0.043 | 0.042 | 0.040 |
| Some college | 0.021 | 0.033 | 0.028 | 0.029 |
| Bachelor's degree | 0.026 | 0.023 | 0.020 | 0.023 |
| Graduate or professional degree | 0.027 | 0.030 | 0.019 | 0.018 |
| School sector in high school senior year | | | | |
| Public | 0.015 | 0.016 | 0.016 | 0.017 |
| Private | 0.038 | 0.049 | 0.033 | 0.041 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-15. Average cumulative science grade point average earned by high school graduates who took science courses in high school, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|--|-------------|-------------|-------------|-------------|
| Total | 2.38 | 2.36 | 2.59 | 2.55 |
| Sex | | | | |
| Male | 2.30 | 2.27 | 2.48 | 2.46 |
| Female | 2.45 | 2.44 | 2.70 | 2.64 |
| Race/ethnicity ¹ | | | | |
| White | 2.47 | 2.41 | 2.73 | 2.72 |
| Black | 2.05 | 1.98 | 2.17 | 2.19 |
| Hispanic | 2.10 | 2.19 | 2.30 | 2.27 |
| Asian/Pacific Islander | 2.68 | 2.66 | 2.82 | 2.90 |
| American Indian/Alaska Native | 2.07 | 1.93 | 2.22 | 2.47 |
| Parents' highest education ² | | | | |
| High school or less | 2.29 | 2.13 | 2.37 | † |
| Some college | 2.45 | 2.31 | 2.48 | † |
| Bachelor's degree or higher | 2.62 | 2.68 | 2.81 | † |
| Educational expectations in high school senior year ³ | | | | |
| High school or less | 1.95 | 1.86 | 2.05 | 1.87 |
| Some college | 2.29 | 2.01 | 2.15 | 2.16 |
| Bachelor's degree | 2.58 | 2.43 | 2.61 | 2.63 |
| Graduate or professional degree | 2.79 | 2.69 | 2.95 | 2.85 |
| School sector in high school senior year | | | | |
| Public | 2.37 | 2.34 | 2.57 | 2.52 |
| Private | 2.43 | 2.54 | 2.85 | 2.97 |

† Not applicable.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-15. Standard errors for table C-15: Average cumulative science grade point average earned by high school graduates who took science courses in high school, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|---|--------------|--------------|--------------|--------------|
| Total | 0.015 | 0.016 | 0.014 | 0.016 |
| Sex | | | | |
| Male | 0.019 | 0.024 | 0.018 | 0.021 |
| Female | 0.019 | 0.019 | 0.018 | 0.020 |
| Race/ethnicity | | | | |
| White | 0.016 | 0.017 | 0.015 | 0.016 |
| Black | 0.045 | 0.060 | 0.032 | 0.038 |
| Hispanic | 0.037 | 0.059 | 0.032 | 0.035 |
| Asian/Pacific Islander | 0.071 | 0.050 | 0.038 | 0.068 |
| American Indian/Alaska Native | 0.107 | 0.086 | 0.160 | 0.158 |
| Parents' highest education | | | | |
| High school or less | 0.023 | 0.030 | 0.022 | † |
| Some college | 0.020 | 0.025 | 0.020 | † |
| Bachelor's degree or higher | 0.031 | 0.025 | 0.018 | † |
| Educational expectations in high school senior year | | | | |
| High school or less | 0.031 | 0.061 | 0.043 | 0.041 |
| Some college | 0.023 | 0.032 | 0.028 | 0.029 |
| Bachelor's degree | 0.025 | 0.027 | 0.020 | 0.022 |
| Graduate or professional degree | 0.027 | 0.027 | 0.018 | 0.019 |
| School sector in high school senior year | | | | |
| Public | 0.016 | 0.017 | 0.015 | 0.018 |
| Private | 0.036 | 0.049 | 0.027 | 0.038 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-16. Average cumulative social studies/history grade point average earned by high school graduates who took social studies/history courses in high school, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|--|-------------|-------------|-------------|-------------|
| Total | 2.50 | 2.54 | 2.76 | 2.77 |
| Sex | | | | |
| Male | 2.40 | 2.43 | 2.64 | 2.66 |
| Female | 2.58 | 2.64 | 2.87 | 2.87 |
| Race/ethnicity ¹ | | | | |
| White | 2.59 | 2.61 | 2.88 | 2.92 |
| Black | 2.16 | 2.15 | 2.37 | 2.46 |
| Hispanic | 2.15 | 2.32 | 2.51 | 2.53 |
| Asian/Pacific Islander | 2.88 | 2.81 | 2.98 | 3.09 |
| American Indian/Alaska Native | 2.33 | 2.21 | 2.47 | 2.53 |
| Parents' highest education ² | | | | |
| High school or less | 2.37 | 2.31 | 2.53 | † |
| Some college | 2.59 | 2.48 | 2.66 | † |
| Bachelor's degree or higher | 2.78 | 2.89 | 2.97 | † |
| Educational expectations in high school senior year ³ | | | | |
| High school or less | 2.00 | 1.95 | 2.08 | 2.10 |
| Some college | 2.33 | 2.10 | 2.30 | 2.39 |
| Bachelor's degree | 2.80 | 2.69 | 2.78 | 2.86 |
| Graduate or professional degree | 2.99 | 2.90 | 3.13 | 3.05 |
| School sector in high school senior year | | | | |
| Public | 2.48 | 2.52 | 2.73 | 2.74 |
| Private | 2.64 | 2.74 | 3.01 | 3.13 |

† Not applicable.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-16. Standard errors for table C-16: Average cumulative social studies/history grade point average earned by high school graduates who took social studies/history courses in high school, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|---|--------------|--------------|--------------|--------------|
| Total | 0.015 | 0.017 | 0.014 | 0.014 |
| Sex | | | | |
| Male | 0.019 | 0.024 | 0.017 | 0.019 |
| Female | 0.018 | 0.019 | 0.019 | 0.019 |
| Race/ethnicity | | | | |
| White | 0.016 | 0.019 | 0.017 | 0.015 |
| Black | 0.041 | 0.048 | 0.031 | 0.038 |
| Hispanic | 0.030 | 0.037 | 0.035 | 0.031 |
| Asian/Pacific Islander | 0.050 | 0.047 | 0.035 | 0.039 |
| American Indian/Alaska Native | 0.094 | 0.090 | 0.110 | 0.188 |
| Parents' highest education | | | | |
| High school or less | 0.023 | 0.044 | 0.021 | † |
| Some college | 0.019 | 0.025 | 0.019 | † |
| Bachelor's degree or higher | 0.031 | 0.022 | 0.018 | † |
| Educational expectations in high school senior year | | | | |
| High school or less | 0.027 | 0.036 | 0.046 | 0.040 |
| Some college | 0.021 | 0.025 | 0.029 | 0.035 |
| Bachelor's degree | 0.024 | 0.029 | 0.019 | 0.020 |
| Graduate or professional degree | 0.026 | 0.025 | 0.016 | 0.016 |
| School sector in high school senior year | | | | |
| Public | 0.016 | 0.018 | 0.015 | 0.016 |
| Private | 0.038 | 0.046 | 0.026 | 0.039 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-17. Average cumulative foreign language grade point average earned by high school graduates who took foreign language courses in high school, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|--|-------------|-------------|-------------|-------------|
| Total | 2.54 | 2.50 | 2.71 | 2.70 |
| Sex | | | | |
| Male | 2.34 | 2.28 | 2.50 | 2.53 |
| Female | 2.67 | 2.70 | 2.88 | 2.86 |
| Race/ethnicity ¹ | | | | |
| White | 2.59 | 2.54 | 2.80 | 2.81 |
| Black | 2.17 | 2.09 | 2.21 | 2.37 |
| Hispanic | 2.40 | 2.46 | 2.63 | 2.62 |
| Asian/Pacific Islander | 2.92 | 2.84 | 3.02 | 3.12 |
| American Indian/Alaska Native | 2.07 | 2.11 | 2.41 | 2.25 |
| Parents' highest education ² | | | | |
| High school or less | 2.47 | 2.29 | 2.55 | † |
| Some college | 2.58 | 2.47 | 2.60 | † |
| Bachelor's degree or higher | 2.65 | 2.75 | 2.87 | † |
| Educational expectations in high school senior year ³ | | | | |
| High school or less | 1.95 | 1.80 | 1.79 | 1.83 |
| Some college | 2.32 | 1.96 | 2.16 | 2.26 |
| Bachelor's degree | 2.67 | 2.55 | 2.68 | 2.74 |
| Graduate or professional degree | 2.88 | 2.84 | 3.06 | 3.02 |
| School sector in high school senior year | | | | |
| Public | 2.53 | 2.48 | 2.68 | 2.67 |
| Private | 2.56 | 2.67 | 2.95 | 3.08 |

† Not applicable.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-17. Standard errors for table C-17: Average cumulative foreign language grade point average earned by high school graduates who took foreign language courses in high school, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|---|--------------|--------------|--------------|--------------|
| Total | 0.021 | 0.021 | 0.015 | 0.019 |
| Sex | | | | |
| Male | 0.031 | 0.033 | 0.022 | 0.024 |
| Female | 0.025 | 0.023 | 0.020 | 0.026 |
| Race/ethnicity | | | | |
| White | 0.022 | 0.024 | 0.017 | 0.020 |
| Black | 0.072 | 0.057 | 0.043 | 0.056 |
| Hispanic | 0.048 | 0.072 | 0.037 | 0.043 |
| Asian/Pacific Islander | 0.108 | 0.057 | 0.042 | 0.044 |
| American Indian/Alaska Native | 0.132 | 0.121 | 0.232 | 0.260 |
| Parents' highest education | | | | |
| High school or less | 0.039 | 0.051 | 0.033 | † |
| Some college | 0.029 | 0.034 | 0.022 | † |
| Bachelor's degree or higher | 0.040 | 0.030 | 0.020 | † |
| Educational expectations in high school senior year | | | | |
| High school or less | 0.070 | 0.098 | 0.083 | 0.063 |
| Some college | 0.037 | 0.057 | 0.041 | 0.042 |
| Bachelor's degree | 0.032 | 0.028 | 0.022 | 0.028 |
| Graduate or professional degree | 0.033 | 0.032 | 0.019 | 0.024 |
| School sector in high school senior year | | | | |
| Public | 0.023 | 0.022 | 0.017 | 0.021 |
| Private | 0.048 | 0.057 | 0.028 | 0.041 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-18. Average cumulative fine and performing arts grade point average earned by high school graduates who took fine and performing arts courses in high school, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|--|-------------|-------------|-------------|-------------|
| Total | 3.06 | 3.16 | 3.34 | 3.31 |
| Sex | | | | |
| Male | 2.84 | 2.97 | 3.18 | 3.14 |
| Female | 3.22 | 3.33 | 3.47 | 3.45 |
| Race/ethnicity ¹ | | | | |
| White | 3.14 | 3.22 | 3.44 | 3.44 |
| Black | 2.77 | 2.81 | 3.00 | 3.03 |
| Hispanic | 2.79 | 2.95 | 3.10 | 3.11 |
| Asian/Pacific Islander | 3.28 | 3.33 | 3.49 | 3.53 |
| American Indian/Alaska Native | 2.72 | 2.89 | 2.81 | 2.86 |
| Parents' highest education ² | | | | |
| High school or less | 2.94 | 2.93 | 3.15 | † |
| Some college | 3.13 | 3.15 | 3.27 | † |
| Bachelor's degree or higher | 3.28 | 3.40 | 3.49 | † |
| Educational expectations in high school senior year ³ | | | | |
| High school or less | 2.77 | 2.59 | 2.75 | 2.68 |
| Some college | 2.96 | 2.92 | 3.00 | 2.98 |
| Bachelor's degree | 3.25 | 3.19 | 3.37 | 3.39 |
| Graduate or professional degree | 3.41 | 3.42 | 3.59 | 3.54 |
| School sector in high school senior year | | | | |
| Public | 3.05 | 3.15 | 3.31 | 3.28 |
| Private | 3.11 | 3.27 | 3.59 | 3.69 |

† Not applicable.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-18. Standard errors for table C-18: Average cumulative fine and performing arts grade point average earned by high school graduates who took fine and performing arts courses in high school, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|---|--------------|--------------|--------------|--------------|
| Total | 0.017 | 0.019 | 0.015 | 0.019 |
| Sex | | | | |
| Male | 0.027 | 0.027 | 0.020 | 0.024 |
| Female | 0.019 | 0.023 | 0.016 | 0.022 |
| Race/ethnicity | | | | |
| White | 0.018 | 0.021 | 0.015 | 0.016 |
| Black | 0.058 | 0.063 | 0.043 | 0.059 |
| Hispanic | 0.042 | 0.050 | 0.041 | 0.052 |
| Asian/Pacific Islander | 0.066 | 0.051 | 0.035 | 0.043 |
| American Indian/Alaska Native | 0.131 | 0.133 | 0.148 | 0.335 |
| Parents' highest education | | | | |
| High school or less | 0.030 | 0.045 | 0.027 | † |
| Some college | 0.023 | 0.028 | 0.021 | † |
| Bachelor's degree or higher | 0.034 | 0.026 | 0.016 | † |
| Educational expectations in high school senior year | | | | |
| High school or less | 0.039 | 0.095 | 0.072 | 0.055 |
| Some college | 0.029 | 0.037 | 0.031 | 0.041 |
| Bachelor's degree | 0.028 | 0.034 | 0.018 | 0.026 |
| Graduate or professional degree | 0.028 | 0.027 | 0.015 | 0.019 |
| School sector in high school senior year | | | | |
| Public | 0.019 | 0.020 | 0.016 | 0.020 |
| Private | 0.046 | 0.058 | 0.023 | 0.025 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table C-19. Average cumulative computer and information science grade point average earned by high school graduates who took computer and information science courses in high school, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|--|-------------|-------------|-------------|-------------|
| Total | 2.72 | 2.82 | 3.01 | 3.07 |
| Sex | | | | |
| Male | 2.63 | 2.71 | 2.87 | 2.92 |
| Female | 2.83 | 2.93 | 3.16 | 3.22 |
| Race/ethnicity ¹ | | | | |
| White | 2.79 | 2.93 | 3.17 | 3.19 |
| Black | 2.34 | 2.27 | 2.56 | 2.82 |
| Hispanic | 2.33 | 2.53 | 2.76 | 2.89 |
| Asian/Pacific Islander | 2.73 | 2.90 | 3.28 | 3.35 |
| American Indian/Alaska Native | ‡ | 2.67 | 2.59 | 2.95 |
| Parents' highest education ² | | | | |
| High school or less | 2.56 | 2.61 | 2.78 | † |
| Some college | 2.76 | 2.80 | 2.96 | † |
| Bachelor's degree or higher | 3.05 | 3.08 | 3.21 | † |
| Educational expectations in high school senior year ³ | | | | |
| High school or less | 2.27 | 2.15 | 2.35 | 2.45 |
| Some college | 2.58 | 2.54 | 2.63 | 2.67 |
| Bachelor's degree | 2.84 | 2.93 | 3.09 | 3.18 |
| Graduate or professional degree | 3.03 | 3.05 | 3.30 | 3.36 |
| School sector in high school senior year | | | | |
| Public | 2.70 | 2.81 | 2.98 | 3.03 |
| Private | 2.89 | 2.93 | 3.34 | 3.49 |

† Not applicable.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate, or the standard error is 50 percent of the estimate or larger.

¹ Black includes African American, Hispanic includes Latino, and Asian/Pacific Islander includes Native Hawaiian. Race categories exclude persons of Hispanic or Latino origin. Other racial and ethnic groups are included in the total row but are not shown separately.² Among 1982 graduates, those who did not know their parents' highest level of education are included in the total but not shown separately. Data on parents' education for 2013 graduates are omitted because the categories are not comparable to those for prior cohorts.³ Students who did not report their educational expectations, did not know what their expectations were, or reported that they expected to attain more than one education level are included in the total but not shown separately.

NOTE: Estimates were generated using course data coded from high school transcripts into School Courses for the Exchange of Data (SCED), a voluntary system of classification for courses at the secondary level and below.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.

Table SC-19. Standard errors for table C-19: Average cumulative computer and information science grade point average earned by high school graduates who took computer and information science courses in high school, by selected student and school characteristics: 1982, 1992, 2004, and 2013

| Characteristic | 1982 | 1992 | 2004 | 2013 |
|---|--------------|--------------|--------------|--------------|
| Total | 0.047 | 0.029 | 0.022 | 0.027 |
| Sex | | | | |
| Male | 0.062 | 0.041 | 0.029 | 0.038 |
| Female | 0.066 | 0.032 | 0.026 | 0.031 |
| Race/ethnicity | | | | |
| White | 0.052 | 0.030 | 0.025 | 0.031 |
| Black | 0.130 | 0.067 | 0.056 | 0.078 |
| Hispanic | 0.119 | 0.104 | 0.047 | 0.066 |
| Asian/Pacific Islander | 0.162 | 0.122 | 0.046 | 0.107 |
| American Indian/Alaska Native | † | 0.144 | 0.222 | 0.304 |
| Parents' highest education | | | | |
| High school or less | 0.082 | 0.056 | 0.035 | † |
| Some college | 0.067 | 0.039 | 0.030 | † |
| Bachelor's degree or higher | 0.079 | 0.045 | 0.028 | † |
| Educational expectations in high school senior year | | | | |
| High school or less | 0.132 | 0.137 | 0.095 | 0.120 |
| Some college | 0.080 | 0.059 | 0.045 | 0.067 |
| Bachelor's degree | 0.077 | 0.048 | 0.029 | 0.037 |
| Graduate or professional degree | 0.086 | 0.043 | 0.027 | 0.027 |
| School sector in high school senior year | | | | |
| Public | 0.052 | 0.030 | 0.024 | 0.030 |
| Private | 0.096 | 0.086 | 0.046 | 0.046 |

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Longitudinal Study (HS&B) of 1980 Sophomores, First Follow-up and High School Transcript Study; National Education Longitudinal Study of 1988 (NELS:88), Second Follow-up and High School Transcript Study; Education Longitudinal Study of 2002 (ELS:2002); High School Longitudinal Study of 2009 (HSL:09), Base-year, 2013 Update, and High School Transcript Study.