

# **Development of the 2018 Secondary School Course Taxonomy**

**Technical Report**

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## Executive Summary

This report documents a new taxonomy (Secondary School Course Taxonomy, or SSCT) for classifying and analyzing students' coursetaking in different subject fields, using high school transcripts coded with the School Courses for the Exchange of Data (SCED) coding system. The report documents the rationale for the development of the SSCT, the development process, and how the SSCT compares to the subject-field classification system embedded within the SCED. The SSCT is included in appendix A.

Students' high school course transcripts are a key tool used by the National Center for Education Statistics (NCES) to monitor education in the United States. NCES has collected and analyzed high school transcript data since 1982, when these data were first used to monitor student participation in career and technical education (CTE). To facilitate analysis of these data, the courses listed on the transcripts were originally coded using the Classification of Secondary School Courses (CSSC), which provides standardized numeric codes for over 2,000 courses. The CSSC codes are organized by subject field, but to better foster analyses of CTE and academic subject-field coursetaking, NCES developed the Secondary School Taxonomy (SST), which organizes the CSSC codes into three broad curriculum areas (academic, CTE, and enrichment), and into a few subject fields within each curriculum area (e.g., English, marketing). The CSSC and SST have been used in numerous NCES and U.S. Department of Education reports to examine student participation in CTE, as well as in other subjects such as mathematics and science.

More recently, NCES supported the development of a second coding system for transcript data, the SCED. Developed through the National Forum on Education Statistics, SCED was designed to facilitate state efforts to systematize and share information. In 2012, NCES adopted SCED as its high school transcript coding system, replacing the CSSC. The SCED codes each course using a 5-digit number, with the first two digits representing the course's subject field, at a level comparable to that in the SST. For example, American Literature is coded 01054, part of the SCED's 01 series of "English Language and Literature" courses. Although the SCED organizing structure is similar to that in the SST, it does not fully align with the SST and thus does not fully align with how NCES has analyzed CTE in the past.

To provide an alternative aggregation system for SCED-coded courses that maintains a more consistent reporting system for CTE, NCES developed the SSCT. The SSCT modifies the SCED taxonomy to improve analysis of CTE issues, but does not affect SCED course coding. The SSCT described in this report is based on SCED version 2.0, because, as of this writing, that is the version of SCED that has been used to code NCES data (specifically, the transcripts collected in 2013 as part of the High School Longitudinal Study of 2009). As the SCED is updated in future years, the SSCT will also need to be updated prior to use with upcoming data collections.

The SSCT largely replicates the SCED subject-field structure, but includes two notable differences in subject-field categories: (1) The SSCT eliminates the SCED "Human Services" category, placing those courses into "Public Services" and "Consumer Services;" and (2) the SSCT combines the SCED

“Manufacturing” and “Engineering and Technology” categories into one “Engineering, Design, and Production” category (with subcategories for “Manufacturing and Technology” and “Engineering and Design”). Some courses were also moved from one subject field to another; for example, all *health science courses* were moved from the SCED “Health Care Sciences” category to the SSCT “Science” category. Computer literacy courses were also moved from the SCED “Computer and Information Sciences” category to the SSCT “Miscellaneous” category (part of the “Enrichment” curriculum).

The 2013 high school transcripts from the High School Longitudinal Study of 2009 were analyzed using both the SCED taxonomy and the SSCT, to see how coursetaking compares when using one taxonomy or the other. Overall, the change in the absolute number of credits earned in each SCED subject field when using the SSCT rather than the SCED taxonomy was small, with no change larger than 0.31 credits. In relative terms, however, some of the small credit count changes correspond to changes of at least 10 percentage points. Based on this threshold, seven CTE fields and “Miscellaneous” had relatively large changes when using the SSCT rather than the SCED taxonomy. Within CTE, using the SSCT results in relatively large declines (of at least 10 percentage points) in “Computer and Information Sciences,” “Engineering and Design,” “Health Care Sciences,” and “Human Services.” Relatively large increases occur in “Business and Marketing,” “Manufacturing,” “Public, Protective, and Government Services,” and “Hospitality and Tourism.”

# Contents

	<b>Page</b>
Executive Summary.....	iii
List of Tables .....	vi
List of Exhibits .....	vi
Introduction .....	1
Background .....	1
The Need for a New Taxonomy .....	2
Development of the SSCT .....	7
Differences Between the SSCT and the SCED Taxonomy .....	8
Comparison of Coursetaking Estimates .....	16
Conclusion.....	17
References .....	19
Appendix A: The Secondary School Course Taxonomy, Using SCED 2.0 .....	A-1
Appendix B: The SSCT Compared to the SST.....	B-1
Appendix C: Standard Errors for Average Number of Credits in Table 1.....	C-1

## List of Tables

<b>Table</b>	<b>Page</b>
1. Comparison of average number of credits that public high school graduates earned in each subject field when using School Courses for the Exchange of Data (SCED) version 2.0 taxonomy and when using the Secondary School Course Taxonomy (SSCT): 2013 .....	18
C-1. Standard errors for Table 1: Comparison of average number of credits that public high school graduates earned in each subject field when using School Courses for the Exchange of Data (SCED) version 2.0 taxonomy and when using the Secondary School Course Taxonomy (SSCT): 2013 .....	C-1

## List of Exhibits

<b>Exhibit</b>	<b>Page</b>
1. Summary of NCES national high school transcript data collections .....	3
2. Subject fields in the 2007 Secondary School Taxonomy (SST).....	4
3. School Courses for the Exchange of Data (SCED) subject-field taxonomy.....	5
4. Comparison of 2007 Secondary School Taxonomy (SST) and School Courses for the Exchange of Data (SCED) subject-field taxonomies .....	6
5. Crosswalk of subject fields included in the School Courses for the Exchange of Data (SCED) taxonomy and the Secondary School Course Taxonomy (SSCT).....	10
6. Overview of course movements across subject fields from the School Courses for the Exchange of Data (SCED) taxonomy to the Secondary School Course Taxonomy (SSCT).....	12
B-1. Comparison of career and technical education (CTE) subjects in the Secondary School Taxonomy (SST) and Secondary School Course Taxonomy (SSCT) .....	B-3

## Introduction

The National Center for Education Statistics (NCES) periodically collects students' high school transcripts, which provide a wealth of information on student coursetaking. In order to be useful, however, the courses listed in the transcripts must first be systematically coded, and the coded information aggregated into subject fields to support analysis. NCES originally coded high school transcripts using the Classification of Secondary School Courses (CSSC) and its associated Secondary School Taxonomy (SST), which organized CSSC-coded courses into subject fields (e.g., English, marketing). Among other things, the SST was designed to support the U.S. Department of Education's efforts to report information on career and technical education (CTE).<sup>1</sup> Starting with transcripts collected in 2013, NCES now uses a new coding system for high school transcripts, the School Courses for the Exchange of Data (SCED).<sup>2</sup> The SCED organizes courses by subject field, so analysts can use this embedded SCED taxonomy as-is to analyze coursetaking in various subject fields, including CTE. However, the CTE categories in SCED are slightly different from those used by NCES to produce CTE statistics (i.e., the categories in the SST). To allow for analyses that better align with how NCES has reported on CTE over time, NCES developed the Secondary School Course Taxonomy (SSCT), a revised version of the SCED's embedded taxonomy; the SSCT organizes SCED-coded courses into a taxonomic structure more similar to that of the SST.<sup>3</sup> This report documents the development and structure of the SSCT.

## Background

High school students' course transcripts provide an objective, reliable record of students' coursetaking. NCES has used these transcripts to track changes in student coursetaking over time, as well as to examine the relationship between coursetaking and factors such as student demographics and achievement (e.g., Snyder, de Brey, and Dillow 2018; Nord et al. 2011; Levesque, Wun, and Green 2010). NCES has also used these transcript collections to look at areas of coursetaking that are of particular policy interest, such as coursetaking in mathematics, science, and CTE (e.g., Aud, Fox, and KewalRamani 2010; Levesque et al. 2008). Transcript-based analyses of student participation in CTE, in particular, have been used to inform federal legislation that funds CTE programs. For that purpose, transcript data have supported numerous congressionally mandated national evaluations of CTE (Silverberg et al. 2004; U.S.

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<sup>1</sup> The SST was first developed as part of the 1987 National Assessment of Vocational Education, to facilitate that congressionally mandated study's examination of coursetaking in CTE (then referred to as "vocational education").

<sup>2</sup> SCED was originally called School *Codes* for the Exchange of Data. The name was changed in 2014.

<sup>3</sup> "Course" was added to the title to indicate that the new taxonomy classifies courses, not schools, and to emphasize that the SST and SSCT are different taxonomies, as they categorize different sets of course codes. In addition, although the SSCT's categories were designed to parallel the SST, the SSCT includes a few updates to the SST, mainly to accommodate the SCED structure (see appendix B).



Department of Education 2014) and are a major component of NCES’s congressionally mandated CTE data reporting system, *CTE Statistics* (see <https://nces.ed.gov/surveys/ctes>).<sup>4</sup>

NCES has collected national samples of high school transcripts since 1982; as exhibit 1 shows, these transcript data have been collected as part of either the National Assessment of Educational Progress (NAEP) assessments, or as part of national longitudinal studies of high school students. To analyze these transcript data, the courses listed on the transcripts are assigned numeric codes that classify courses of similar content (based on course descriptions) within the same code. For this purpose, NCES originally used a coding system called the Classification of Secondary School Courses (CSSC) (Evaluation Technologies Incorporated 1982; National Center for Education Statistics 1982). The SST, developed in 1987 and revised in 1998 and 2007, was used to aggregate the approximately 2,400 CSSC codes into 33 subject fields and three broad curriculum areas—academic, CTE, and enrichment (see exhibit 2) (Bradby 2007; Bradby and Hoachlander 1999). For example, *American literature* courses were assigned the CSSC code 23.0711, and were aggregated with other courses in the SST into “English,” within the academic curriculum. NCES used the CSSC (updated at the time of each transcript collection) and the 1987, 1998, and 2007 SSTs to analyze data from the 10 high school transcript data collections conducted from 1982 through 2009. The NCES *CTE Statistics* program also used these coding systems to examine students’ coursetaking in CTE. Originally, those analyses included looking at student coursetaking in three SST-defined CTE areas: family and consumer sciences education, general labor market preparation, and specific labor market preparation (or occupational education). In more recent years, the *CTE Statistics* program has narrowed its focus to just occupational education. For most *CTE Statistics* work, the SST’s 21 occupational education subject fields have been further aggregated into the 12 fields listed in exhibit 2. The restriction of CTE to occupational education reflects the definition of CTE in recent federal legislation, which focuses on coursetaking that provides the academic knowledge and technical skills needed for “further education and careers in current or emerging professions” (Strengthening Career and Technical Education for the 21st Century Act, P.L. 115-224, Section 3 [2018]).

## The Need for a New Taxonomy

More recently, NCES helped support development of a second coding system for high school transcripts, the SCED (Bradby, Pedroso, and Rogers 2007). SCED was developed in cooperation with states to support state efforts to harmonize their student coursetaking information. The SCED is maintained by the National Forum on Education Statistics, a voluntary group of local, state, and national educators, supported through NCES, that works to develop data sources that support efforts to improve education. The Forum works with subject area experts and professional groups to periodically update the SCED, and maintains SCED documentation on the NCES website (<https://nces.ed.gov/forum/SCED.asp>). The SCED includes about 1,700 course codes, organized into 22 secondary-level subject fields based on the first two digits of each 5-digit course code (referred to in SCED as “Course Subject Areas”) (see exhibit 3).<sup>5</sup> For example, *American literature* courses are

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<sup>4</sup> Federal legislation funding CTE began with the Smith-Hughes Act in 1917 and continues today in the Strengthening Career and Technical Education for the 21st Century Act, P.L. 115-224, Section 3 [2018]). The more recent authorizations of this legislation have mandated national evaluations and federal data reporting on CTE.

<sup>5</sup> The SCED includes a 23rd Course Subject Area for prior-to-secondary coursework; that code is not discussed here and is not included in the SSCT.

coded 01054, part of the SCED’s 01 series of “English Language and Literature” courses. Thus, the SCED can serve as both a course classification system (using the 5-digit course codes) and as a taxonomy for aggregating courses into subject fields (using the first two SCED digits).

**Exhibit 1. Summary of NCES National High School Transcript Data Collections**

Cohort graduation year	Data source of transcript collection
1982	High School and Beyond
1987	National Assessment of Educational Progress
1990	National Assessment of Educational Progress
1992	National Education Longitudinal Study of 1988
1994	National Assessment of Educational Progress
1998	National Assessment of Educational Progress
2000	National Assessment of Educational Progress
2004	Education Longitudinal Study of 2002
2005	National Assessment of Educational Progress
2009	National Assessment of Educational Progress
2013	High School Longitudinal Study of 2009

In 2012, NCES adopted the SCED as the coding system for its high school transcript collections, replacing the CSSC. As a course coding system, the SCED has two major advantages over the CSSC. First, it is a cleaner categorization system, with a more logical numeric structure and without the accumulation of overly specific courses that had plagued the CSSC over time. For example, the SCED has one code for *literature of a people*, whereas the CSSC has at least 10 codes for courses on this topic including, for example, *Mexican American literature*, *Black literature*, and *women in literature*. Second, states are increasingly using the SCED in their educational reporting systems, allowing for comparability between state and national reporting systems, and for national transcript studies to take advantage of transcript “pre-coding” done by states that use the SCED.

At the time the SCED was adopted for transcript coding, the next high school transcript collection was scheduled for 2013, as part of the High School Longitudinal Study of 2009 (HSL:09). Those data were coded using SCED version 2.0, the current version of SCED at that time.<sup>6</sup> Two NCES reports, Dalton, Ingels, and Fritch (2015) and Henke et al. (2019), applied the SCED taxonomy to the HSL:09 data to examine coursetaking in various subject fields.<sup>7</sup>

<sup>6</sup> All descriptions of SCED in this report are based on SCED, version 2.0. The Forum’s guide to this version of SCED is available at [https://nces.ed.gov/forum/pub\\_2014802.asp](https://nces.ed.gov/forum/pub_2014802.asp).

<sup>7</sup> Henke et al. (2019) also includes a crosswalk between the CSSC and SCED, which was used to recode data from three previous high school longitudinal study transcript collections (in 1982, 1992, and 2004) to provide a brief overview of student coursetaking trends from 1982 to 2013.

**Exhibit 2. Subject Fields in the 2007 Secondary School Taxonomy (SST)**

Curriculum area and subject field
<b>Academic Education</b>
English
Mathematics
Science
Social Studies
Fine Arts
Non-English Languages
<b>Career and Technical Education</b>
Family and Consumer Sciences Education
General Labor Market Preparation
Specific Labor Market Preparation (Occupational Education)
Agriculture and Natural Resources
Communications and Design
Computer and Information Sciences
Engineering Technologies
Health Sciences
Manufacturing
Marketing
Business (aggregation used for reporting purposes)
Business Support
Business Management
Business Finance
Construction and Architecture (aggregation used for reporting purposes)
Architecture
Construction
Repair and Transportation (aggregation used for reporting purposes)
Mechanics and Repair
Transportation
Consumer and Culinary Services (aggregation used for reporting purposes)
Consumer Services
Culinary Arts
Public Services (aggregation used for reporting purposes)
Education
Library Science
Public Administration
Legal Services
Protective Services
<b>Enrichment Education</b>
Religion and Theology
Health, Physical, and Recreation Education
Military Science
General Skills

NOTE: See Bradby (2007) for the complete 2007 SST.

### Exhibit 3. School Courses for the Exchange of Data (SCED) Subject-Field Taxonomy

Two-digit SCED number	Subject-field
01	English Language and Literature
02	Mathematics
03	Life and Physical Sciences
04	Social Sciences and History
05	Fine and Performing Arts
06	Foreign Language and Literature
07	Religious Education and Theology
08	Physical, Health, and Safety Education
09	Military Science
10	Computer and Information Sciences
11	Communication and Audio/Video Technology
12	Business and Marketing
13	Manufacturing
14	Health Care Sciences
15	Public, Protective, and Government Services
16	Hospitality and Tourism
17	Architecture and Construction
18	Agriculture, Food, and Natural Resources
19	Human Services
20	Transportation, Distribution, and Logistics
21	Engineering and Technology
22	Miscellaneous

NOTE: This exhibit is based on SCED version 2.0; see National Forum on Education Statistics (2014).

As with the CSSC, the SCED taxonomy does not fully align with how CTE is conceptualized in federal CTE statistics.<sup>8</sup> These differences are indicated in exhibit 4, which compares the CTE subject fields in the 2007 SST (reflecting federal CTE conceptualization) to the SCED taxonomy.<sup>9</sup> As seen in exhibit 4, the SCED taxonomy includes a “Hospitality and Tourism” category, which is not included in the 2007 SST (where courses in that category are divided between “Business Management” and “Culinary Arts”). The SCED also does not have a category for “Repair” courses; instead, it puts vehicular repair courses in “Transportation, Distribution, and Logistics” and all other repair courses in “Manufacturing.” More differences exist within subject fields and are not visible in exhibit 4. For example, the SCED includes education courses within the “Human Services” subject field, rather than the SST placement within “Public, Protective, and Government Services.” The SCED also includes *computer literacy* courses in

<sup>8</sup> The CTE section of SCED was developed with input from the Association for Career and Technical Education, the National Association of State Directors of Career and Technical Education Consortium (now AdvanceCTE), the U.S. Department of Education’s Office of Career, Technical, and Adult Education, and the National Coalition for Family and Consumer Sciences Education.

<sup>9</sup> The SCED does not aggregate its 22 subject fields into three curriculum areas, as is done in exhibits 4–6, but doing so here facilitates comparison.

“Computer and Information Sciences,” but the SST includes those courses in “General Labor Market Preparation.”

**Exhibit 4. Comparison of 2007 Secondary School Taxonomy (SST) and School Courses for the Exchange of Data (SCED) Subject-Field Taxonomies**

2007 SST subject field	SCED Two-digit number and subject field	
<b>Academic Education</b>		
English	01	English Language and Literature
Mathematics	02	Mathematics
Science	03	Life and Physical Sciences
Social Studies	04	Social Sciences and History
Fine Arts	05	Fine and Performing Arts
Non-English Languages	06	Foreign Language and Literature
<b>Enrichment Education</b>		
Religion and Theology	07	Religious Education and Theology
Health, Physical, and Recreation Education	08	Physical, Health, and Safety Education
Military Science	09	Military Science
General Skills	22	Miscellaneous (including family and consumer sciences education and career exploration)
<b>Career and Technical Education</b>		
Family and Consumer Sciences Education		
General Labor Market Preparation		
Specific Labor Market Preparation (Occupational Education)		
Computer and Information Sciences	10	Computer and Information Sciences
Communications and Design	11	Communication and Audio/Video Technology
Business	12	Business and Marketing
Marketing		
Manufacturing	13	Manufacturing
Health Sciences	14	Health Care Sciences
Public Services	15	Public, Protective, and Government Services
Hospitality and Tourism		
Construction and Architecture	17	Architecture and Construction
Agriculture and Natural Resources	18	Agriculture, Food, and Natural Resources
Consumer and Culinary Services	19	Human Services
Repair and Transportation	20	Transportation, Distribution, and Logistics
Engineering Technologies	21	Engineering and Technology

NOTE: This exhibit is based on SCED version 2.0.

To provide an alternative aggregation system for SCED-coded courses that maintains a more consistent reporting system for CTE, NCES developed the SSCT in 2018. As of this writing, the SSCT has been used to develop tables posted on the NCES *CTE Statistics* website, examining public high school graduates’ CTE coursetaking from 1992 through 2013 (see <https://nces.ed.gov/surveys/ctes/tables/index.asp?LEVEL=SECONDARY>), and will be used in future NCES reports that analyze high school transcript data.

The remainder of this report describes the development and structure of the SSCT in more detail, including an analysis of how it compares to the SCED.

## Development of the SSCT

The task of developing a new taxonomy for use with SCED-coded courses was initially undertaken by U.S. Department of Education staff from NCES and the Office of Career, Technical, and Adult Education, collectively referred to here as the Taxonomy Working Group. The Taxonomy Working Group met periodically during the spring of 2017. In its deliberations, the Taxonomy Working Group had three (sometimes conflicting) guiding principles: (1) move as few courses as possible across academic, CTE, and enrichment curriculum areas, while also (2) maximizing the alignment of CTE subject fields with the SST and (3) retaining improvements in course placements inherent in the SCED. The Taxonomy Working Group also considered statistics on the level of student participation in various subject fields, the organization of postsecondary programs in NCES's Classification of Instructional Programs (CIP), and how subject field categories align to the federal government's Standard Occupational Classification (SOC) system.<sup>10</sup> Finally, the Taxonomy Working Group based its work on SCED version 2.0, so that the resulting taxonomy could be used to analyze the 2013 transcripts that had been coded using SCED 2.0.

In June 2017, the Taxonomy Working Group presented its proposed taxonomy to NCES staff who work with transcript data for their review. Several revisions were made as a result of that meeting, mainly to balance alignment with the SCED.<sup>11</sup> The resulting SSCT, classifying the full set of about 1,700 courses listed in the SCED (version 2.0), is listed in appendix A. Exhibit 5 (right side) provides an overview of the subject-field structure of the SSCT.

The SSCT does not change SCED course coding and has no effect on how states use the SCED to code their transcripts or on how transcripts are coded to SCED in NCES data collections; instead, the taxonomy provides an alternative system (to the embedded SCED code-based taxonomy) for aggregating courses for analysis *after* they have been coded using the SCED. Because the SSCT is intended to facilitate the analysis of national transcript data, and the 2013 transcript data were coded using SCED version 2.0, the SSCT provides subject-field placements only for courses included in that version of SCED. Although the SCED is updated annually, the SSCT will be updated only as each new transcript study is collected and coded to the version of the SCED that is current at that time. As of this writing, SCED version 6.0 is the current version of SCED and is expected to be the version used to code the next scheduled NCES high school transcript collection, as part of the 2019 NAEP assessment. Thus,

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<sup>10</sup> The CIP can be found at <https://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55>. The SOC can be found at <https://www.bls.gov/soc/>.

<sup>11</sup> Although the SSCT is better aligned to the SST than is the embedded SCED code-based taxonomy, it does include some differences. For example, the SST included textiles/apparel courses in "Manufacturing," but the SSCT includes these courses in "Consumer Services," aligning with their placement in the SCED's "Hospitality and Tourism" category. A detailed review of the differences in course placements between the SST and the SSCT is not provided here (such a comparison is complicated by the different underlying coding systems used by each taxonomy), but appendix B provides an overview of the differences between the two taxonomies.

the next version of the SSCT will be based on SCED 6.0 and will be produced as part of the development of the 2019 transcript files.

## Differences Between the SSCT and the SCED Taxonomy

The 2018 SSCT is, in effect, a revised version of the SCED's embedded taxonomy. This section provides an overview of how these two taxonomies differ. Overall, 136 courses (about 8 percent of all courses) are placed in different subject fields in the SSCT compared to the SCED taxonomy. The full SSCT listed in appendix A includes the SCED number for each course; those numbers can be used to identify which specific courses are categorized in different subject areas in the two taxonomies. For example, the SSCT puts all SCED code 03 "Life and Physical Sciences" courses in "Science," but also includes in "Science" eight *health science* courses, from the SCED "Health Care Sciences" (code 14) subject field. That is, eight courses were moved from "Health Care Sciences" in the SCED taxonomy to "Science" in the SSCT.

Exhibits 5 and 6 provide a more general and consolidated comparison of these SSCT and SCED classification differences. First, exhibit 5 looks at differences in subject-field categories. As seen there, both the SCED taxonomy and the SSCT include the same six academic subject fields. The SCED taxonomy and the SSCT also include the same four enrichment subject fields. However, the SSCT includes two new enrichment subcategories, created by pulling out from "Miscellaneous" the courses in "Career Exploration" and "Family and Consumer Sciences." These categories were included in the SSCT in order to capture "CTE-related" courses that were included in past NCES *CTE Statistics* work, when CTE was more broadly defined to include courses on these topics.<sup>12</sup>

The SCED and the SSCT also include many of the same CTE subject fields, although the SSCT reduces the number of CTE fields from 12 to 10, due to the following changes:

- "Human Services" was eliminated as a subject field by moving the courses within it into other subject fields. Most SCED "Human Services" courses are courses that NCES has traditionally considered "public services" (*education*) or "consumer services" (*child and elder care* and *cosmetology*). To reinstate this alignment, the SSCT merges all *education* courses with the SCED category "Public, Protective, and Government Services" to create a "Public Services" category, and merges *child and elder care* and *cosmetology* courses with "Hospitality and Tourism" to create a "Consumer Services" category. Along with moves of a few other remaining "Human Services" courses (as detailed in exhibit 6), these changes eliminated the "Human Services" category.
- "Manufacturing" and "Engineering and Technology" were combined (although they remain separate subcategories). The SCED separates engineering and manufacturing into distinct categories, even though some courses combine all aspects of the design-engineering-

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<sup>12</sup> In addition, current legislation (Strengthening Career and Technical Education for the 21st Century Act, P.L. 115-224, Section 3 [2018]) states that career education "may" be counted as CTE for federal funding purposes; keeping these courses in a separate subcategory allows for analysts to readily include these courses as part of CTE, should they wish to do so.

production process (e.g., *production systems*), and the distinction between these categories is increasingly unclear. The SSCT separates pre-production skills (engineering and design) from production skills (manufacturing and technology), but also aggregates these two aspects of the production process into the broad subject field of “Engineering, Design, and Production.”

It might appear from exhibit 5 that the SSCT removed architecture courses from the SCED “Architecture and Construction” category, however, that SCED category does not include architecture courses, although the category name suggests otherwise. Instead, *architectural design* is included in the SCED “Fine and Performing Arts” category and all drafting courses, including *architectural drafting*, are included in the SCED “Engineering and Technology” category. The SSCT keeps all drafting courses in “Engineering and Design” and moves *architectural design* to that category as well.

Exhibit 6 provides an overview of the number of courses that were moved from each SCED subject field into a different SSCT subject field (as mentioned previously, the specific courses that were moved are identified in appendix A). Note that in exhibit 6, each course change is listed twice—once in the subject field it was moved from, and once in the subject field it was moved to. This double-listing allows the reader to see, for each SSCT subject field, how it compares to the SCED subject field. For example, the SSCT “Science” field comprises all the courses that are in the SCED “Life and Physical Sciences” (03) field, **plus** eight *health sciences* courses that are in the SCED “Health Care Sciences” (14) subject field, and **minus** *IB Technology in a Global Society*, which was moved to the SSCT “Social Studies” field.



**Exhibit 5. Crosswalk of subject fields included in the School Courses for the Exchange of Data (SCED) Taxonomy and the Secondary School Course Taxonomy (SSCT)**

Two-digit SCED number	SCED subject fields	SSCT subject fields
<b>Academic Education</b>		
01	English Language and Literature	English
02	Mathematics	Mathematics
03	Life and Physical Sciences	Science
04	Social Sciences and History	Social Studies
05	Fine and Performing Arts	Arts
06	Foreign Language and Literature	Foreign Languages
<b>Enrichment Education</b>		
07	Religious Education and Theology	Religious Education
08	Physical, Health, and Safety Education	Physical and Health Education
09	Military Science	Military Education
22	Miscellaneous	Miscellaneous Career Exploration Family and Consumer Sciences
<b>Career and Technical Education</b>		
10	Computer and Information Sciences	Computer and Information Sciences
11	Communication and Audio/Video Technology	Communication and communication technologies
12	Business and Marketing	Business, Finance, and Marketing Business Support Business Management Finance Marketing
13	Manufacturing	Engineering, Design, and Production Manufacturing and Technology
21	Engineering and Technology	Engineering and Design
14	Health Care Sciences	Health Care
15	Public, Protective, and Government Services	Public Services Education Public Safety and Administration
16	Hospitality and Tourism	Consumer Services Child and Elder Care Cosmetology Hospitality Textiles and Furnishings
17	Architecture and Construction	Construction
18	Agriculture, Food, and Natural Resources	Agriculture and Natural Resources
19	Human Services	—
20	Transportation, Distribution, and Logistics	Mechanical Repair and Operation

Drawing from exhibit 6, the bullets below summarize situations in which three or more courses were moved from their original placement in the SCED taxonomy:

- Eight *health science* courses were moved from “Health Care Sciences” in the SCED taxonomy to “Science” in the SSCT;
- Five *computer literacy* courses were moved from “Computer and Information Sciences” in the SCED taxonomy to “Miscellaneous” in the SSCT;
- Three *career exploration* courses were moved from “Miscellaneous” in the SCED taxonomy to “Career Exploration” in the SSCT;
- Thirteen *family and consumer sciences education* courses were moved from “Miscellaneous” in the SCED taxonomy to “Family and Consumer Sciences” in the SSCT;
- Five *distribution* courses were moved from “Transportation, Distribution, and Logistics” in the SCED taxonomy to “Business, Finance, and Marketing” in the SSCT;
- Ten *electronics* courses were moved from “Architecture and Construction” in the SCED taxonomy to “Engineering, Design, and Production” in the SSCT;
- Eight *education* courses were moved from “Human Services” in the SCED taxonomy to “Public Services” in the SSCT;
- Ten *apparel/furnishings* courses, 8 *child/elder care* courses, 10 *cosmetology* courses, and 5 *general human services* courses were moved from “Human Services” in the SCED taxonomy to “Consumer Services” in the SSCT;
- Six *repair* courses were moved from “Manufacturing” in the SCED taxonomy to “Mechanical Repair and Operation” in the SSCT; and
- All “Engineering and Technology” and “Manufacturing” courses in the SCED taxonomy were merged into “Engineering, Design, and Production” in the SSCT.

**Exhibit 6. Overview of course movements across subject fields from the School Courses for the Exchange of Data (SCED) Taxonomy to the Secondary School Course Taxonomy (SSCT)**

SSCT subject field, which corresponds to...	This SCED subject field, except for...	These course movements
<b>Academic Education</b>		
English	01: English Language and Literature	—
Mathematics	02: Mathematics	—
Science	03: Life and Physical Sciences	8 <i>health science</i> courses moved here from SCED 14: “Health Care Sciences” <i>IB Design Technology</i> moved from SCED 03 to “Engineering, Design, and Production”
Social Studies	04: Social Sciences and History	<i>IB Technology in a Global Society</i> moved here from SCED 10: “Computer and Information Sciences”
Arts	05: Fine and Performing Arts	2 communication design courses moved from SCED 05 to “Communication and communication technologies” 2 design courses moved from SCED 05 to “Engineering, Design, and Production” <i>Fashion Design</i> moved from SCED 05 to “Consumer Services”
Foreign Languages	06: Foreign Language and Literature	—
<b>Enrichment Education</b>		
Religious Education	07: Religious Education and Theology	—
Physical and Health Education	08: Physical, Health, and Safety Education	—
Military Education	09: Military Science	—
Miscellaneous	22: Miscellaneous	5 <i>computer literacy</i> courses moved here from SCED 10: “Computer and Information Sciences” 3 career exploration courses moved from SCED 22 to “Career Exploration” 13 family and consumer sciences courses moved from SCED 22 to “Family and Consumer Sciences” <i>Food Science</i> moved from SCED 22 to “Agriculture and Natural Resources”

See notes at end of exhibit.

**Exhibit 6. Overview of course movements across subject fields from the School Courses for the Exchange of Data (SCED) Taxonomy to the Secondary School Course Taxonomy (SSCT)—Continued**

SSCT subject field, which corresponds to...	This SCED subject field, except for...	These course movements
Career Exploration	—	3 career exploration courses moved here from SCED 22: “Miscellaneous”
Family and Consumer Sciences	—	13 family and consumer sciences education courses moved here from SCED 22: Miscellaneous
<b>Career and Technical Education</b>		
Computer and Information Sciences	10: Computer and Information Sciences	5 <i>computer literacy</i> courses moved from SCED 10 to “Miscellaneous” <i>Business computer applications</i> moved from SCED 10 to “Business, Finance, and Marketing” <i>IB Technology in a Global Society</i> moved from SCED 10 to “Social Studies”
Communication and Communication Technologies	11: Communication and Audio/Video Technology	2 communication design courses moved here from SCED 05: “Fine and Performing Arts”
Business, Finance, and Marketing (including “Business Support,” “Business Management,” “Finance,” and “Marketing”)	12: Business and Marketing	<i>Business computer applications</i> moved to “Business Support” from SCED 10: “Computer and Information Sciences” 5 distribution courses moved to “Business Support” from SCED 20: “Transportation, Distribution, and Logistics”
Engineering, Design, and Production (including “Engineering and Design” and “Manufacturing and Technology”)	13: Manufacturing	<i>IB Design Technology</i> moved to “Engineering and Design” from SCED 03: “Life and Physical Sciences” 2 design courses moved to “Engineering and Design” from SCED 05: “Fine and Performing Arts” All 10 electronics courses moved to “Manufacturing and Technology” from SCED 17: “Architecture and Construction” <i>Alternative Energy</i> moved to “Manufacturing and Technology” from SCED 18: “Agriculture, Food, and Natural Resources”

See notes at end of exhibit.

**Exhibit 6. Overview of course movements across subject fields from the School Courses for the Exchange of Data (SCED) Taxonomy to the Secondary School Course Taxonomy (SSCT)—Continued**

SSCT subject field, which corresponds to...	This SCED subject field, except for...	These course movements
		<p><i>Energy/Power</i> moved to “Manufacturing and Technology” from SCED 20: “Transportation, Distribution, and Logistics”</p> <p>All of SCED 21: “Engineering and Technology” moved here (15 courses to “Manufacturing and Technology,” 34 courses to “Engineering and Design”)</p> <p>6 repair courses moved from SCED 13 to “Mechanical Repair and Operation”</p>
Health Care	14: Health Care Sciences	<p><i>Counseling and Mental Health</i> moved here from SCED 19: “Human Services”</p> <p>8 <i>health science courses</i> moved from SCED 14 to “Science”</p>
Public Services (including “Public Safety and Administration” and “Education”)	15: Public, Protective, and Government Services	All 8 education courses moved here from SCED 19: “Human Services”
Consumer Services (including “Hospitality,” “Child and Elder Care,” “Cosmetology,” and “Textiles and Furnishings”)	16: Hospitality and Tourism	<p><i>Fashion Design</i> moved to “Textiles and Furnishings” from SCED 05: “Fine and Performing Arts”</p> <p>All 10 apparel/furnishing courses, all 8 child and elder care courses, and all 10 cosmetology courses moved here from SCED 19: “Human Services”</p> <p>5 general human services courses moved to “Child and Elder Care” from SCED 19: “Human Services”</p>
Construction	17: Architecture and Construction	All 10 electronics courses moved from SCED 17 to “Engineering, Design, and Production”
Agriculture and Natural Resources	18: Agriculture, Food, and Natural Resources	<p><i>Food Science</i> moved here from SCED 22: “Miscellaneous”</p> <p><i>Alternative Energy</i> moved from SCED 18 to “Engineering, Design, and Production”</p>

See notes at end of exhibit.

**Exhibit 6. Overview of course movements across subject fields from the School Courses for the Exchange of Data (SCED) Taxonomy to the Secondary School Course Taxonomy (SSCT)—Continued**

SSCT subject field, which corresponds to...	This SCED subject field, except for...	These course movements
—	19: Human Services	All SCED 19 moved: 10 apparel/furnishings courses, 8 child and elder care courses, 10 cosmetology courses, and 5 general human services courses moved to “Consumer Services” <i>Counseling and Mental Health</i> moved to “Health Care” 8 education courses moved to “Public Services”
Mechanical Repair and Operation	20: Transportation, Distribution, and Logistics	6 repair courses moved here from SCED 13: “Manufacturing” <i>Energy/Power</i> moved from SCED 20 to “Engineering, Design, and Production” 5 distribution courses moved from SCED 20 to “Business, Finance, and Marketing”
—	21: Engineering and Technology	All 49 SCED 21 courses moved to “Engineering, Design, and Production”

NOTE: This exhibit is based on SCED version 2.0.

## Comparison of Coursetaking Estimates

In this section, the 2013 High School Longitudinal Study transcript data are analyzed using both the SCED taxonomy and the SSCT, to compare how coursetaking estimates for public high school graduates differ when using one taxonomy versus the other. Table 1 displays the results, based on estimates of average credits earned in various subject areas. As expected, the overall number of credits did not change when taxonomic coding was changed from the SCED to the SSCT. Total academic credits increased by an average 0.03 credits (a less than 1 percentage point increase); CTE credits decreased by 0.21 credits (an 8 percentage point decrease), and enrichment credits increased by 0.18 credits (a 4 percentage point increase).

The increase of 0.03 academic credits is due mainly to the movement of *health science courses* from “Health Care Sciences” (in CTE) to “Science” (gain of 0.07 credits), counterbalanced with the movement of a few design-related courses out of “Fine and Performing Arts” and into CTE fields (loss of 0.04 credits). The increase of 0.18 enrichment credits is due entirely to the movement of *computer literacy courses* from “Computer and Information Sciences” (in CTE) into “Miscellaneous.” These movements of *health science* and *computer literacy* courses are also the main cause of the 0.21 decline in CTE credits.

As table 1 shows, the change in the absolute number of credits earned across specific subject-field categories associated with the SCED adjustments was small, with no change larger than 0.31 credits. In relative terms, however, some of these small credit count changes were changes of 10 percent or more. Based on this threshold, seven CTE fields and “Miscellaneous” (within the enrichment curriculum) had relatively large changes from the SCED taxonomy to the SSCT. Within CTE, using the SSCT rather than the SCED taxonomy results in relatively large declines in “Computer and Information Sciences” (decline of 59 percent), “Engineering and Design” (18 percent), “Health Care Sciences” (27 percent), and “Human Services,” the last of which is mainly subsumed in the new “Consumer Services” category. Relatively large increases occur in “Business and Marketing” (increase of 27 percent), “Manufacturing” (70 percent), “Public, Protective, and Government Services” (59 percent), and “Hospitality and Tourism” (83 percent) (the last two absorbing courses moved from the SCED “Human Services” category).

The decline in “Computer and Information Sciences” (and concomitant increase in the enrichment curriculum) due to the movement of *computer literacy courses*, and the decline in “Health Care Sciences” due to the movement of *health science courses*, were discussed above. “Business and Marketing” increased from the addition of *business computer application courses* (from “Computer and Information Sciences”) and *distribution courses* (from “Transportation, Distribution, and Logistics”). The changes in “Public, Protective, and Government Services,” “Hospitality and Tourism,” and “Human Services” result from the creation of the “Consumer Services” category, which combined “Hospitality and Tourism” with most of the courses in “Human Services” but moved *education courses* from “Human Services” to “Public, Protective, and Government Services.” Finally, the decline in “Engineering and Technology” is due to the movement of technology-related courses into “Manufacturing,” which

contributes, along with the movement of *electronics* courses from “Architecture and Construction,” to the increase in “Manufacturing.”

## Conclusion

NCES high school transcript data are now coded using the SCED, rather than the previously used CSSC. Although the SCED includes an embedded taxonomic structure that can be used to aggregate courses into subject fields, that structure does not align well with how NCES has traditionally aggregated courses for analyses of CTE coursetaking. To allow for a better alignment with past analyses, NCES has developed a new taxonomy, the SSCT, that can be used with SCED-coded data to analyze coursetaking by subject field.

The SSCT largely replicates the SCED taxonomic structure, but includes some notable differences in how it classifies courses in a few CTE fields. Based on the 2013 transcripts collected as part of the High School Longitudinal Study of 2009, using the SSCT instead of the SCED reduces CTE coursetaking from an average 2.81 credits using the SCED to 2.60 credits using the SSCT; this decline occurs mainly because of the movement of *computer literacy* courses to the enrichment curriculum and *health science* courses to the academic curriculum. Across specific CTE fields, the average number of credits earned does not change much (0 to 0.31 credits). Given that few credits are earned in many CTE fields, some of these small credit count changes translate to larger relative changes. For example, the change in credits earned in “Computer and Information Sciences,” from 0.53 in the SCED taxonomy to 0.22 in the SSCT represents a 59 percent reduction. Other course categories with relatively large credit reductions (of at least 10 percent) include “Business and Marketing,” “Manufacturing,” “Engineering and Technology,” “Health Care Sciences,” and (due to combining of categories to form a new “Consumer Services” subject field) “Human Services,” “Hospitality and Tourism,” and “Public, Protective, and Government Services.”



**Table 1. Comparison of average number of credits that public high school graduates earned in each subject field when using School Courses for the Exchange of Data (SCED) version 2.0 taxonomy and when using the Secondary School Course Taxonomy (SSCT): 2013**

SCED subject field	Average number of credits		SSCT subject field	Credit number change	Percentage change
	SCED	SSCT			
<b>Total, all subject fields</b>	<b>26.68</b>	<b>26.68</b>	<b>Total, all subject fields</b>	<b>0</b>	<b>0</b>
Academic	19.73	19.76	Academic	0.03	#
Core Academic	15.66	15.74	Core Academic	0.08	#
English Language and Literature	4.30	4.30	English	0	0
Mathematics	3.89	3.89	Mathematics	0	0
Life and Physical Sciences	3.55	3.62	Science	0.07	2
Social Sciences and History	3.92	3.92	Social Studies	#	#
Fine and Performing Arts	2.06	2.02	Arts	-0.04	-2
Foreign Language and Literature	2.01	2.01	Foreign Languages	0	0
Career and Technical Education (CTE)	2.81	2.60	Career and Technical Education (CTE)	-0.21	-8
Computer and Information Sciences	0.53	0.22	Computer and Information Sciences	-0.31	-59
Communication and Audio/Video Technology	0.32	0.34	Communication and Communication Technologies	0.02	7
Business and Marketing	0.44	0.56	Business, Finance, and Marketing	0.12	27
Manufacturing	0.09	0.15	Manufacturing and Technology	0.06	70
Engineering and Technology	0.21	0.18	Engineering and Design	-0.03	-18
Health Care Sciences	0.26	0.19	Health Care	-0.07	-27
Public, Protective, and Government Services	0.10	0.16	Public Services	0.06	59
Human Services	0.18	†	†	†	†
Hospitality and Tourism	0.16	0.29	Consumer Services	0.13	83
Architecture and Construction	0.17	0.16	Construction	-0.01	-6
Agriculture, Food, and Natural Resources	0.24	0.24	Agriculture and Natural Resources	0	4
Transportation, Distribution, and Logistics	0.12	0.11	Mechanical Repair and Operation	-0.01	-6
Enrichment	4.14	4.32	Enrichment	0.18	4
Religious Education and Theology	0.02	0.02	Religious Education	0	0
Physical, Health, and Safety Education	2.27	2.27	Physical and Health Education	0	0
Military Education	0.14	0.14	Military Education	0	0
Miscellaneous	1.70	1.88	Miscellaneous (including career exploration and family and consumer sciences)	0.18	11

† Not applicable.

# Rounds to zero.

NOTE: Percentage change was calculated using unrounded estimates.

SOURCE: High School Longitudinal Study of 2009 (HLS:09), 2013 Update and High School Transcript File.

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## **Appendix A: The Secondary School Course Taxonomy, Using SCED 2.0**

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
<b>ACADEMIC COURSES</b>		
<b>ENGLISH</b>		
100	01001	English/Language Arts I (9th grade)
100	01002	English/Language Arts II (10th grade)
100	01003	English/Language Arts III (11th grade)
100	01004	English/Language Arts IV (12th grade)
100	01005	AP English Language and Composition
100	01006	AP English Literature and Composition
100	01007	IB Language A (English)
100	01008	English as a Second Language
100	01009	Language Arts Laboratory
100	01010	IB Language A (English), Middle Years Program
100	01026	Language Arts (early childhood education)
100	01027	Language Arts (pre-kindergarten)
100	01028	Language Arts (kindergarten)
100	01029	Language Arts (grade 1)
100	01030	Language Arts (grade 2)
100	01031	Language Arts (grade 3)
100	01032	Language Arts (grade 4)
100	01033	Language Arts (grade 5)
100	01034	Language Arts (grade 6)
100	01035	Language Arts (grade 7)
100	01036	Language Arts (grade 8)
100	01037	Language Arts—General
100	01038	Reading (early childhood education)
100	01039	Reading (pre-kindergarten)
100	01040	Reading (kindergarten)
100	01041	Reading (grade 1)
100	01042	Reading (grade 2)
100	01043	Reading (grade 3)
100	01044	Reading (grade 4)
100	01045	Reading (grade 5)
100	01046	Reading (grade 6)
100	01047	Reading (grade 7)
100	01048	Reading (grade 8)
100	01049	Reading—General
100	01051	English/Literature (freshmen and sophomores)
100	01052	English/Literature (juniors and seniors)
100	01053	Literature
100	01054	American Literature

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
100	01055	American Literature/History
100	01056	British Literature
100	01057	British Literature/History
100	01058	World Literature
100	01059	Biblical Literature
100	01060	Literature of an Author
100	01061	Literature of a Genre
100	01062	Literature of a Period
100	01063	Literature of a Place
100	01064	Literature of a People
100	01065	Literature of a Theme
100	01066	Strategic Reading
100	01067	Assisted Reading
100	01068	Corrective Reading
100	01097	Literature—Independent Study
100	01098	Literature—Workplace Experience
100	01099	Literature—Other
100	01101	English/Composition (freshmen and sophomores)
100	01102	English/Composition (juniors and seniors)
100	01103	Composition
100	01104	Creative Writing
100	01105	Research/Technical Writing
100	01128	Writing (early childhood education)
100	01129	Writing (pre-kindergarten)
100	01130	Writing (kindergarten)
100	01131	Writing (grade 1)
100	01132	Writing (grade 2)
100	01133	Writing (grade 3)
100	01134	Writing (grade 4)
100	01135	Writing (grade 5)
100	01136	Writing (grade 6)
100	01137	Writing (grade 7)
100	01138	Writing (grade 8)
100	01139	Writing—General
100	01147	Composition—Independent Study
100	01148	Composition—Workplace Experience
100	01149	Composition—Other
100	01151	Public Speaking
100	01152	Forensic Speech—Inclusive
100	01153	Forensic Speech—Debate

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
100	01154	Forensic Speech—Individual Event
100	01155	Communications
100	01156	Applied English and Communications
100	01197	Speech—Independent Study
100	01198	Speech—Workplace Experience
100	01199	Speech—Other
100	01201	English Morphology and Grammar
100	01202	History of the English Language
100	01203	English—Test Preparation
100	01992	English Proficiency Development
100	01995	English Language and Literature—Aide
100	01996	English Language and Literature—Supplemental
100	01997	English Language and Literature—Independent Study
100	01998	English Language and Literature—Workplace Experience
100	01999	English Language and Literature—Other

#### MATHEMATICS

110	02001	Informal Mathematics
110	02002	General Math
110	02003	Particular Topics in Foundation Math
110	02028	Mathematics (early childhood education)
110	02029	Mathematics (pre-kindergarten)
110	02030	Mathematics (kindergarten)
110	02031	Mathematics (grade 1)
110	02032	Mathematics (grade 2)
110	02033	Mathematics (grade 3)
110	02034	Mathematics (grade 4)
110	02035	Mathematics (grade 5)
110	02036	Mathematics (grade 6)
110	02037	Mathematics (grade 7)
110	02038	Mathematics (grade 8)
110	02039	Mathematics—General
110	02047	Foundation Math—Independent Study
110	02049	Foundation Math—Other
110	02051	Pre-Algebra
110	02052	Algebra I
110	02053	Algebra I—Part 1
110	02054	Algebra I—Part 2
110	02055	Transition Algebra
110	02056	Algebra II
110	02057	Algebra III

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
110	02058	Particular Topics in Algebra
110	02061	Integrated Math—multi-year equivalent
110	02069	Algebra—Other
110	02071	Informal Geometry
110	02072	Geometry
110	02073	Analytic Geometry
110	02074	Principles of Algebra and Geometry
110	02075	Particular Topics in Geometry
110	02079	Geometry—Other
110	02101	Number Theory
110	02102	Discrete Mathematics
110	02103	Trigonometry
110	02104	Math Analysis
110	02105	Trigonometry/Math Analysis
110	02106	Trigonometry/Algebra
110	02107	Trigonometry/Analytic Geometry
110	02108	Math Analysis/Analytic Geometry
110	02109	Elementary Functions
110	02110	Pre-Calculus
110	02111	Linear Algebra
110	02112	Linear Programming
110	02113	Abstract Algebra
110	02121	Calculus
110	02122	Multivariate Calculus
110	02123	Differential Calculus
110	02124	AP Calculus AB
110	02125	AP Calculus BC
110	02126	Particular Topics in Calculus
110	02131	IB Mathematical Studies
110	02132	IB Mathematics
110	02133	IB Mathematics and Computing—SL
110	02134	IB Further Mathematics—SL
110	02135	IB Mathematics, Middle Years Program
110	02141	Particular Topics in Analytic Mathematics
110	02149	Analytic Mathematics—Other
110	02151	General Applied Math
110	02152	Occupationally Applied Math
110	02153	Technical Math
110	02154	Business Math
110	02155	Business Math with Algebra



SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
110	02156	Computer Math with Algebra
110	02157	Consumer Math
110	02201	Probability and Statistics
110	02202	Inferential Probability and Statistics
110	02203	AP Statistics
110	02204	Particular Topics in Probability and Statistics
110	02207	Probability and Statistics—Independent Study
110	02209	Probability and Statistics—Other
110	02991	History of Math
110	02993	Mathematics—Test Preparation
110	02994	Mathematics Proficiency Development
110	02995	Mathematics—Aide
110	02996	Mathematics—Supplemental
110	02997	Mathematics—Independent Study
110	02998	Mathematics—Workplace Experience
110	02999	Mathematics—Other

#### SCIENCE

120	03001	Earth Science
120	03002	Geology
120	03003	Environmental Science
120	03004	Astronomy
120	03005	Marine Science
120	03006	Meteorology
120	03007	Physical Geography
120	03008	Earth and Space Science
120	03009	Particular Topics in Earth Science
120	03010	Earth/Space Science (prior-to-secondary)
120	03011	Physical Science (prior-to-secondary)
120	03047	Earth Science—Independent Study
120	03048	Earth Science—Workplace Experience
120	03049	Earth Science—Other
120	03051	Biology
120	03052	Biology—Advanced Studies
120	03053	Anatomy and Physiology
120	03054	Anatomy
120	03055	Physiology
120	03056	AP Biology
120	03057	IB Biology
120	03058	Botany
120	03059	Genetics

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
120	03060	Microbiology
120	03061	Zoology
120	03062	Conceptual Biology
120	03063	Particular Topics in Biology
120	03097	Biology—Independent Study
120	03098	Biology—Workplace Experience
120	03099	Biology—Other
120	03101	Chemistry
120	03102	Chemistry—Advanced Studies
120	03103	Organic Chemistry
120	03104	Physical Chemistry
120	03105	Conceptual Chemistry
120	03106	AP Chemistry
120	03107	IB Chemistry
120	03108	Particular Topics in Chemistry
120	03147	Chemistry—Independent Study
120	03148	Chemistry—Workplace Experience
120	03149	Chemistry—Other
120	03151	Physics
120	03152	Physics—Advanced Studies
120	03153	Principles of Technology
120	03155	AP Physics B
120	03156	AP Physics C
120	03157	IB Physics
120	03158	Life Science
120	03159	Physical Science
120	03160	IB Physical Science
120	03161	Conceptual Physics
120	03162	Particular Topics in Physics
120	03163	AP Physics C: Electricity and Magnetism
120	03164	AP Physics C: Mechanics
120	03165	AP Physics 1
120	03166	AP Physics 2
120	03197	Physics—Independent Study
120	03198	Physics—Workplace Experience
120	03199	Physics—Other
120	03201	Integrated Science
120	03202	Unified Science
120	03203	Applied Biology/Chemistry
120	03204	Technological Inquiry

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
120	03205	Origins of Science
120	03207	AP Environmental Science
120	03208	IB Environmental Science
120	03209	Aerospace
120	03210	Science, Technology, and Society
120	03211	Technical Science
120	03212	Scientific Research and Design
120	03213	IB Sciences, Middle Years Program
120	03228	Science (early childhood education)
120	03229	Science (pre-kindergarten)
120	03230	Science (kindergarten)
120	03231	Science (grade 1)
120	03232	Science (grade 2)
120	03233	Science (grade 3)
120	03234	Science (grade 4)
120	03235	Science (grade 5)
120	03236	Science (grade 6)
120	03237	Science (grade 7)
120	03238	Science (grade 8)
120	03239	Science—General
120	03994	Life and Physical Sciences—Proficiency Development
120	03995	Life and Physical Sciences—Aide
120	03996	Life and Physical Sciences—Supplemental
120	03997	Life and Physical Sciences—Independent Study
120	03998	Life and Physical Sciences—Workplace Experience
120	03999	Life and Physical Sciences—Other
120	14251	Health Science
120	14252	Biotechnology
120	14253	Pharmacology
120	14254	Particular Topics in Health Sciences
120	14255	Biomedical Innovation
120	14297	Health Sciences—Independent Study
120	14298	Health Sciences—Workplace Experience
120	14299	Health Sciences—Other
<b>SOCIAL STUDIES</b>		
130	04001	World Geography
130	04002	Particular Topics in Geography
130	04003	IB Geography
130	04004	AP Human Geography
130	04005	U.S. Geography

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
130	04047	Geography—Independent Study
130	04048	Geography—Workplace Experience
130	04049	Geography—Other
130	04051	World History—Overview
130	04052	World History and Geography
130	04053	Modern World History
130	04054	IB History
130	04055	Modern European History
130	04056	AP European History
130	04057	AP World History
130	04058	Ancient Civilizations
130	04059	Medieval European History
130	04060	Ancient and Medieval History
130	04061	World Area Studies
130	04062	World People Studies
130	04063	Western Civilization
130	04064	Contemporary World Issues
130	04065	Particular Topics in World History
130	04066	IB Islamic History
130	04097	World History—Independent Study
130	04098	World History—Workplace Experience
130	04099	World History—Other
130	04101	U.S. History—Comprehensive
130	04102	Early U.S. History
130	04103	Modern U.S. History
130	04104	AP U.S. History
130	04105	State-Specific Studies
130	04106	Contemporary U.S. Issues
130	04107	U.S. Ethnic Studies
130	04108	U.S. Gender Studies
130	04109	Particular Topics in U.S. History
130	04147	U.S. History—Independent Study
130	04148	U.S. History—Workplace Experience
130	04149	U.S. History—Other
130	04151	U.S. Government—Comprehensive
130	04152	Particular Topics in U.S. Government
130	04153	Political Science
130	04154	Comparative Government
130	04155	International Relations
130	04156	United States and World Affairs

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
130	04157	AP U.S. Government and Politics
130	04158	AP Comparative Government and Politics
130	04159	AP Government
130	04160	Principles of Democracy
130	04161	Civics
130	04162	Law Studies
130	04163	Consumer Law
130	04164	Business Law
130	04165	Legal System
130	04166	Particular Topics in Law
130	04171	IB Humanities, Middle Years Program
130	04197	Government, Politics, and Law—Independent Study
130	04198	Government, Politics, and Law—Workplace Experience
130	04199	Government, Politics, and Law—Other
130	04201	Economics
130	04202	Comparative Economics
130	04203	AP Microeconomics
130	04204	AP Macroeconomics
130	04205	AP Economics
130	04206	IB Economics
130	04207	Particular Topics in Economics
130	04247	Economics—Independent Study
130	04248	Economics—Workplace Experience
130	04249	Economics—Other
130	04251	Anthropology
130	04252	Particular Topics in Anthropology
130	04253	IB Social Anthropology
130	04254	Psychology
130	04255	Particular Topics in Psychology
130	04256	AP Psychology
130	04257	IB Psychology
130	04258	Sociology
130	04259	Particular Topics in Sociology
130	04260	Social Science
130	04261	Social Science Research
130	04262	IB Organization Studies
130	04297	Social Sciences—Independent Study
130	04298	Social Sciences—Workplace Experience
130	04299	Social Sciences—Other
130	04301	Humanities Survey

<b>SSCT code</b>	<b>SCED 2.0 Code</b>	<b>SSCT Subject Field and SCED Course Title</b>
130	04302	Humanities
130	04303	Issues of Western Humanities
130	04304	IB Theory of Knowledge
130	04305	Social Studies
130	04306	Philosophy
130	04307	Particular Topics in Philosophy
130	04308	Modern Intellectual History
130	04309	IB Philosophy
130	04310	Particular Topics in Humanities
130	04347	Humanities—Independent Study
130	04348	Humanities—Workplace Experience
130	04349	Humanities—Other
130	04428	Social Studies (early childhood education)
130	04429	Social Studies (pre-kindergarten)
130	04430	Social Studies (kindergarten)
130	04431	Social Studies (grade 1)
130	04432	Social Studies (grade 2)
130	04433	Social Studies (grade 3)
130	04434	Social Studies (grade 4)
130	04435	Social Studies (grade 5)
130	04436	Social Studies (grade 6)
130	04437	Social Studies (grade 7)
130	04438	Social Studies (grade 8)
130	04439	Social Studies—General
130	04994	Social Sciences and History—Proficiency Development
130	04995	Social Sciences and History—Aide
130	04996	Social Sciences and History—Supplemental
130	04997	Social Sciences and History—Independent Study
130	04998	Social Sciences and History—Workplace Experience
130	04999	Social Sciences and History—Other
130	10007	IB Information Technology in a Global Society
<b>ARTS</b>		
140	05001	Dance Technique
140	05002	Dance Repertory
140	05003	General Dance
140	05004	Dance History and Appreciation
140	05005	Dance—Choreography
140	05006	Dance Survey
140	05007	Dance Improvisation
140	05008	World/Cultural Dance

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
140	05009	Technical Theater for Dance
140	05010	Social Dance
140	05011	Dance Composition/Composition Seminar
140	05012	IB Dance
140	05028	Dance (early childhood education)
140	05029	Dance (pre-kindergarten)
140	05030	Dance (kindergarten)
140	05031	Dance (grade 1)
140	05032	Dance (grade 2)
140	05033	Dance (grade 3)
140	05034	Dance (grade 4)
140	05035	Dance (grade 5)
140	05036	Dance (grade 6)
140	05037	Dance (grade 7)
140	05038	Dance (grade 8)
140	05039	Dance—General
140	05047	Dance—Independent Study
140	05048	Dance—Workplace Experience
140	05049	Dance—Other
140	05051	Introduction to Theater
140	05052	Theater Arts
140	05053	Theater—Comprehensive
140	05055	Theater—Acting/Performance
140	05056	Theater—Stagecraft
140	05057	Theater—Directing
140	05058	Playwriting and Screenwriting
140	05059	History and Literature of the Theater
140	05060	Musical Theater
140	05061	Theatrical Production and Management
140	05062	IB Theatre
140	05068	Drama (early childhood education)
140	05069	Drama (pre-kindergarten)
140	05070	Drama (kindergarten)
140	05071	Drama (grade 1)
140	05072	Drama (grade 2)
140	05073	Drama (grade 3)
140	05074	Drama (grade 4)
140	05075	Drama (grade 5)
140	05076	Drama (grade 6)
140	05077	Drama (grade 7)

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
140	05078	Drama (grade 8)
140	05079	Drama—General
140	05097	Theater—Independent Study
140	05098	Theater—Workplace Experience
140	05099	Theater—Other
140	05101	General Band
140	05102	Concert Band
140	05103	Marching Band
140	05104	Orchestra
140	05105	Contemporary Instrumental Ensemble
140	05106	Small Ensemble
140	05107	Piano
140	05108	Guitar
140	05109	Individual Technique—Instrumental Music
140	05110	Chorus
140	05111	Vocal Ensemble
140	05112	Individual Technique—Vocal Music
140	05113	Music Theory
140	05114	AP Music Theory
140	05115	IB Music
140	05116	Music History/Appreciation
140	05117	Music History
140	05118	Music Appreciation
140	05119	Composition/Songwriting
140	05120	Strings
140	05121	Contemporary Vocal Ensemble
140	05122	Culturally Influenced Ensemble
140	05123	Recording and Production
140	05124	Technology/Electronic Music
140	05128	Music (early childhood education)
140	05129	Music (pre-kindergarten)
140	05130	Music (kindergarten)
140	05131	Music (grade 1)
140	05132	Music (grade 2)
140	05133	Music (grade 3)
140	05134	Music (grade 4)
140	05135	Music (grade 5)
140	05136	Music (grade 6)
140	05137	Music (grade 7)
140	05138	Music (grade 8)



SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
140	05139	Music—General
140	05147	Music—Independent Study
140	05148	Music—Workplace Experience
140	05149	Music—Other
140	05151	Art Appreciation
140	05152	Art History
140	05153	AP Art History
140	05154	Visual Art—Comprehensive
140	05155	Visual Arts—Drawing/Painting
140	05156	Visual Arts—Drawing
140	05157	Visual Arts—Painting
140	05158	Visual Arts—Sculpture
140	05159	Ceramics/Pottery
140	05160	Printmaking/Graphics
140	05161	Printmaking
140	05164	Fibers and Textile Design
140	05165	Crafts
140	05166	Jewelry
140	05167	Photography
140	05168	Cinematography/Video Production
140	05169	Multimedia Art
140	05170	Art Portfolio
140	05172	AP Studio Art—Drawing
140	05173	IB Art/Design
140	05174	AP Studio Art—Two-Dimensional
140	05175	AP Studio Art—Three-Dimensional
140	05176	Calligraphy/Lettering
140	05177	Animation
140	05178	Art (early childhood education)
140	05179	Art (pre-kindergarten)
140	05180	Art (kindergarten)
140	05181	Art (grade 1)
140	05182	Art (grade 2)
140	05183	Art (grade 3)
140	05184	Art (grade 4)
140	05185	Art (grade 5)
140	05186	Art (grade 6)
140	05187	Art (grade 7)
140	05188	Art (grade 8)
140	05189	Art—General

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
140	05197	Visual Arts—Independent Study
140	05198	Visual Arts—Workplace Experience
140	05199	Visual Arts—Other
140	05201	Interdisciplinary Arts
140	05202	IB Arts, Middle Years Program
140	05995	Visual and Performing Art—Aide
140	05997	Visual and Performing Art—Independent Study
140	05998	Visual and Performing Art—Workplace Experience
140	05999	Visual and Performing Art—Other

#### FOREIGN LANGUAGES

150	06028	Foreign Language (early childhood education)
150	06029	Foreign Language (pre-kindergarten)
150	06030	Foreign Language (kindergarten)
150	06031	Foreign Language (grade 1)
150	06032	Foreign Language (grade 2)
150	06033	Foreign Language (grade 3)
150	06034	Foreign Language (grade 4)
150	06035	Foreign Language (grade 5)
150	06036	Foreign Language (grade 6)
150	06037	Foreign Language (grade 7)
150	06038	Foreign Language (grade 8)
150	06039	Foreign Language—General
150	06100	Spanish (prior-to-secondary)
150	06101	Spanish I
150	06102	Spanish II
150	06103	Spanish III
150	06104	Spanish IV
150	06105	Spanish V
150	06106	Spanish for Native Speakers
150	06107	Spanish Field Experience
150	06108	Spanish Conversation and Culture
150	06109	Spanish Literature
150	06110	IB Language A (non-English)—Spanish
150	06111	IB Language B—Spanish
150	06112	AP Spanish Language and Culture
150	06113	AP Spanish Literature and Culture
150	06114	IB Language B (Spanish), Middle Years Program
150	06120	French (prior-to-secondary)
150	06121	French I
150	06122	French II

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
150	06123	French III
150	06124	French IV
150	06125	French V
150	06126	French for Native Speakers
150	06127	French Field Experience
150	06128	French Conversation and Culture
150	06129	French Literature
150	06130	IB Language A (non-English)—French
150	06131	IB Language B—French
150	06132	AP French Language and Culture
150	06134	IB Language B (French), Middle Years Program
150	06140	Italian (prior-to-secondary)
150	06141	Italian I
150	06142	Italian II
150	06143	Italian III
150	06144	Italian IV
150	06145	Italian V
150	06146	Italian for Native Speakers
150	06147	Italian Field Experience
150	06148	Italian Conversation and Culture
150	06149	Italian Literature
150	06150	IB Language A (non-English)—Italian
150	06151	IB Language B—Italian
150	06152	AP Italian Language and Culture
150	06153	IB Language B (Italian), Middle Years Program
150	06160	Portuguese (prior-to-secondary)
150	06161	Portuguese I
150	06162	Portuguese II
150	06163	Portuguese III
150	06164	Portuguese IV
150	06165	Portuguese V
150	06166	Portuguese for Native Speakers
150	06167	Portuguese Field Experience
150	06168	Portuguese Conversation and Culture
150	06169	Portuguese Literature
150	06170	IB Language A (non-English)—Portuguese
150	06171	IB Language B—Portuguese
150	06172	IB Language B (Portuguese), Middle Years Program
150	06181	Romance/Italic Language I
150	06182	Romance/Italic Language II

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
150	06183	Romance/Italic Language III
150	06184	Romance/Italic Language IV
150	06185	Romance/Italic Language V
150	06186	Romance/Italic Language for Native Speakers
150	06187	Romance/Italic Language Field Experience
150	06188	Romance/Italic Language Conversation and Culture
150	06189	Romance/Italic Literature
150	06190	IB Language A (non-English)—Romance/Italic Language
150	06191	IB Language B—Romance/Italic Language
150	06199	Romance/Italic Language—Other
150	06200	German (prior-to-secondary)
150	06201	German I
150	06202	German II
150	06203	German III
150	06204	German IV
150	06205	German V
150	06206	German for Native Speakers
150	06207	German Field Experience
150	06208	German Conversation and Culture
150	06209	German Literature
150	06210	IB Language A (non-English)—German
150	06211	IB Language B—German
150	06212	AP German Language and Culture
150	06213	IB Language B (German), Middle Years Program
150	06241	Germanic Language I
150	06242	Germanic Language II
150	06243	Germanic Language III
150	06244	Germanic Language IV
150	06245	Germanic Language V
150	06246	Germanic Language for Native Speakers
150	06247	Germanic Language Field Experience
150	06248	Germanic Language Conversation and Culture
150	06249	Germanic Literature
150	06250	IB Language A (non-English)—Germanic Language
150	06251	IB Language B—Germanic Language
150	06259	Germanic Language—Other
150	06261	Celtic Language I
150	06262	Celtic Language II
150	06263	Celtic Language III
150	06264	Celtic Language IV

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
150	06265	Celtic Language V
150	06266	Celtic Language for Native Speakers
150	06267	Celtic Language Field Experience
150	06268	Celtic Language Conversation and Culture
150	06269	Celtic Literature
150	06270	IB Language A (non-English)—Celtic Language
150	06271	IB Language B—Celtic Language
150	06279	Celtic Language—Other
150	06280	Greek (prior-to-secondary)
150	06281	Greek I
150	06282	Greek II
150	06283	Greek III
150	06284	Greek IV
150	06285	Greek V
150	06286	Greek for Native Speakers
150	06287	Greek Field Experience
150	06288	Greek Conversation and Culture
150	06289	Greek Literature
150	06290	IB Language A (non-English)—Greek
150	06291	IB Language B—Greek
150	06299	Greek—Other
150	06300	Latin (prior-to-secondary)
150	06301	Latin I
150	06302	Latin II
150	06303	Latin III
150	06304	Latin IV
150	06305	Latin V
150	06311	IB Classical Languages—Latin
150	06313	AP Latin (Virgil, Catullus and Horace)
150	06320	Classical Greek (prior-to-secondary)
150	06321	Classical Greek I
150	06322	Classical Greek II
150	06323	Classical Greek III
150	06324	Classical Greek IV
150	06325	Classical Greek V
150	06331	IB Classical Languages—Greek
150	06332	IB Language B (Greek), Middle Years Program
150	06359	Classical Languages—Other
150	06400	Chinese (prior-to-secondary)
150	06401	Chinese I

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
150	06402	Chinese II
150	06403	Chinese III
150	06404	Chinese IV
150	06405	Chinese V
150	06406	Chinese for Native Speakers
150	06407	Chinese Field Experience
150	06408	Chinese Conversation and Culture
150	06409	Chinese Literature
150	06410	IB Language A (non-English)—Chinese
150	06411	IB Language B—Chinese
150	06412	AP Chinese Language and Culture
150	06413	IB Language B (Chinese), Middle Years Program
150	06420	Japanese (prior-to-secondary)
150	06421	Japanese I
150	06422	Japanese II
150	06423	Japanese III
150	06424	Japanese IV
150	06425	Japanese V
150	06426	Japanese for Native Speakers
150	06427	Japanese Field Experience
150	06428	Japanese Conversation and Culture
150	06429	Japanese Literature
150	06430	IB Language A (non-English)—Japanese
150	06431	IB Language B—Japanese
150	06432	AP Japanese Language and Culture
150	06433	IB Language B (Japanese), Middle Years Program
150	06440	Korean (prior-to-secondary)
150	06441	Korean I
150	06442	Korean II
150	06443	Korean III
150	06444	Korean IV
150	06445	Korean V
150	06446	Korean for Native Speakers
150	06447	Korean Field Experience
150	06448	Korean Conversation and Culture
150	06449	Korean Literature
150	06450	IB Language A (non-English)—Korean
150	06451	IB Language B—Korean
150	06452	IB Language B (Korean), Middle Years Program
150	06481	East Asian Language I

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
150	06482	East Asian Language II
150	06483	East Asian Language III
150	06484	East Asian Language IV
150	06485	East Asian Language V
150	06486	East Asian Language for Native Speakers
150	06487	East Asian Language Field Experience
150	06488	East Asian Language Conversation and Culture
150	06489	East Asian Literature
150	06490	IB Language A (non-English)—East Asian Language
150	06491	IB Language B—East Asian Language
150	06499	East Asian Language—Other
150	06500	Vietnamese (prior-to-secondary)
150	06501	Vietnamese I
150	06502	Vietnamese II
150	06503	Vietnamese III
150	06504	Vietnamese IV
150	06505	Vietnamese V
150	06506	Vietnamese for Native Speakers
150	06507	Vietnamese Field Experience
150	06508	Vietnamese Conversation and Culture
150	06509	Vietnamese Literature
150	06510	IB Language A (non-English)—Vietnamese
150	06511	IB Language B—Vietnamese
150	06512	IB Language B (Vietnamese), Middle Years Program
150	06520	Filipino (prior-to-secondary)
150	06521	Filipino I
150	06522	Filipino II
150	06523	Filipino III
150	06524	Filipino IV
150	06525	Filipino V
150	06526	Filipino for Native Speakers
150	06527	Filipino Field Experience
150	06528	Filipino Conversation and Culture
150	06529	Filipino Literature
150	06530	IB Language A (non-English)—Filipino
150	06531	IB Language B—Filipino
150	06532	IB Language B (Filipino), Middle Years Program
150	06581	Southeast Asian Language I
150	06582	Southeast Asian Language II
150	06583	Southeast Asian Language III

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
150	06584	Southeast Asian Language IV
150	06585	Southeast Asian Language V
150	06586	Southeast Asian Language for Native Speakers
150	06587	Southeast Asian Language Field Experience
150	06588	Southeast Asian Language Conversation and Culture
150	06589	Southeast Asian Literature
150	06590	IB Language A (non-English)—Southeast Asian Language
150	06591	IB Language B—Southeast Asian Language
150	06599	Southeast Asian Language—Other
150	06600	Russian (prior-to-secondary)
150	06601	Russian I
150	06602	Russian II
150	06603	Russian III
150	06604	Russian IV
150	06605	Russian V
150	06606	Russian for Native Speakers
150	06607	Russian Field Experience
150	06608	Russian Conversation and Culture
150	06609	Russian Literature
150	06610	IB Language A (non-English)—Russian
150	06611	IB Language—Russian
150	06612	IB Language B (Russian), Middle Years Program
150	06641	Balto-Slavic Language I
150	06642	Balto-Slavic Language II
150	06643	Balto-Slavic Language III
150	06644	Balto-Slavic Language IV
150	06645	Balto-Slavic Language V
150	06646	Balto-Slavic Language for Native Speakers
150	06647	Balto-Slavic Language Field Experience
150	06648	Balto-Slavic Language Conversation and Culture
150	06649	Balto-Slavic Literature
150	06650	IB Language A (non-English)—Balto-Slavic Language
150	06651	IB Language B—Balto-Slavic Language
150	06659	Balto-Slavic Language—Other
150	06661	Turkic/Ural-Altaic Language I
150	06662	Turkic/Ural-Altaic Language II
150	06663	Turkic/Ural-Altaic Language III
150	06664	Turkic/Ural-Altaic Language IV
150	06665	Turkic/Ural-Altaic Language V
150	06666	Turkic/Ural-Altaic Language for Native Speakers



SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
150	06667	Turkic/Ural-Altaic Language Field Experience
150	06668	Turkic/Ural-Altaic Language Conversation and Culture
150	06669	Turkic/Ural-Altaic Literature
150	06670	IB Language A (non-English)—Turkic/Ural-Altaic Language
150	06671	IB Language B—Turkic/Ural-Altaic Language
150	06679	Turkic/Ural-Altaic Language—Other
150	06681	Iranian/Persian Language I
150	06682	Iranian/Persian Language II
150	06683	Iranian/Persian Language III
150	06684	Iranian/Persian Language IV
150	06685	Iranian/Persian Language V
150	06686	Iranian/Persian Language for Native Speakers
150	06687	Iranian/Persian Language Field Experience
150	06688	Iranian/Persian Language Conversation and Culture
150	06689	Iranian/Persian Literature
150	06690	IB Language A (non-English)—Iranian/Persian Language
150	06691	IB Language B—Iranian/Persian Language
150	06699	Iranian/Persian Language—Other
150	06700	Hebrew (prior-to-secondary)
150	06701	Hebrew I
150	06702	Hebrew II
150	06703	Hebrew III
150	06704	Hebrew IV
150	06705	Hebrew V
150	06706	Hebrew for Native Speakers
150	06707	Hebrew Field Experience
150	06708	Hebrew Conversation and Culture
150	06709	Hebrew Literature
150	06710	IB Language A (non-English)—Hebrew
150	06711	IB Language B—Hebrew
150	06712	IB Classical Languages—Hebrew
150	06713	IB Language B (Hebrew), Middle Years Program
150	06720	Arabic (prior-to-secondary)
150	06721	Arabic I
150	06722	Arabic II
150	06723	Arabic III
150	06724	Arabic IV
150	06725	Arabic V
150	06726	Arabic for Native Speakers
150	06727	Arabic Field Experience

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
150	06728	Arabic Conversation and Culture
150	06729	Arabic Literature
150	06730	IB Language A (non-English)—Arabic
150	06731	IB Language B—Arabic
150	06732	IB Classical Languages—Arabic
150	06733	IB Language B (Arabic), Middle Years Program
150	06759	Semitic and Near/Middle Eastern Languages—Other
150	06760	Swahili (prior-to-secondary)
150	06761	Swahili I
150	06762	Swahili II
150	06763	Swahili III
150	06764	Swahili IV
150	06765	Swahili V
150	06766	Swahili for Native Speakers
150	06767	Swahili Field Experience
150	06768	Swahili Conversation and Culture
150	06769	Swahili Literature
150	06770	IB Language A (non-English)—Swahili
150	06771	IB Language B—Swahili
150	06772	IB Language B (Swahili), Middle Years Program
150	06781	Non-Semitic African Language I
150	06782	Non-Semitic African Language II
150	06783	Non-Semitic African Language III
150	06784	Non-Semitic African Language IV
150	06785	Non-Semitic African Language V
150	06786	Non-Semitic African Language for Native Speakers
150	06787	Non-Semitic African Language Field Experience
150	06788	Non-Semitic African Language Conversation and Culture
150	06789	Non-Semitic African Literature
150	06790	IB Language A (non-English)—Non-Semitic African Language
150	06791	IB Language B—Non-Semitic African Language
150	06799	Non-Semitic African Language—Other
150	06800	American Sign Language (prior-to-secondary)
150	06801	American Sign Language I
150	06802	American Sign Language II
150	06803	American Sign Language III
150	06804	American Sign Language IV
150	06805	American Sign Language V
150	06806	IB Language B (American Sign Language), Middle Years Program
150	06819	American Sign Language—Other

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
150	06820	American Indian Language (prior-to-secondary)
150	06821	American Indian Language I
150	06822	American Indian Language II
150	06823	American Indian Language III
150	06824	American Indian Language IV
150	06825	American Indian Language V
150	06826	American Indian Language for Native Speakers
150	06827	American Indian Language Field Experience
150	06828	American Indian Language Conversation and Culture
150	06829	American Indian Literature
150	06830	IB Language A (non-English)—American Indian Language
150	06831	IB Language B—American Indian Language
150	06832	IB Language B (American Indian Language), Middle Years Program
150	06839	American Indian Language—Other
150	06841	Indic Language I
150	06842	Indic Language II
150	06843	Indic Language III
150	06844	Indic Language IV
150	06845	Indic Language V
150	06846	Indic Language for Native Speakers
150	06847	Indic Language Field Experience
150	06848	Indic Language Conversation and Culture
150	06849	Indic Literature
150	06850	IB Language A (non-English)—Indic Language
150	06851	IB Language B—Indic Language
150	06859	Indic Language—Other
150	06861	Malayo-Polynesian Language I
150	06862	Malayo-Polynesian Language II
150	06863	Malayo-Polynesian Language III
150	06864	Malayo-Polynesian Language IV
150	06865	Malayo-Polynesian Language V
150	06866	Malayo-Polynesian Language for Native Speakers
150	06867	Malayo-Polynesian Language Field Experience
150	06868	Malayo-Polynesian Language Conversation and Culture
150	06869	Malayo-Polynesian Literature
150	06870	IB Language A (non-English)—Malayo-Polynesian Language
150	06871	IB Language B—Malayo-Polynesian Language
150	06879	Malayo-Polynesian Language—Other
150	06995	Foreign Language and Literature—Aide
150	06997	Foreign Language and Literature—Independent Study

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
150	06998	Foreign Language and Literature—Workplace Experience
150	06999	Foreign Language and Literature—Other
<b>CAREER AND TECHNICAL EDUCATION (CTE) COURSES</b>		
<b>COMPUTER AND INFORMATION SCIENCES</b>		
200	10002	Computing Systems
200	10006	Telecommunications
200	10011	Computer Science Principles
200	10012	Exploring Computer Science
200	10047	Computer Literacy—Independent Study
200	10048	Computer Literacy—Workplace Experience
200	10049	Computer Literacy—Other
200	10051	Information Management
200	10052	Database Management and Data Warehousing
200	10053	Database Applications
200	10054	Data Systems/Processing
200	10055	Particular Topics in Management Information Systems
200	10097	Management Information Systems—Independent Study
200	10098	Management Information Systems—Workplace Experience
200	10099	Management Information Systems—Other
200	10101	Network Technology
200	10102	Networking Systems
200	10103	Area Network Design and Protocols
200	10104	Router Basics
200	10105	NetWare Routing
200	10106	Wide Area Telecommunications and Networking
200	10107	Wireless Networks
200	10108	Network Security
200	10109	Essentials of Network Operating Systems
200	10110	Microsoft Certified Professional (MCP)
200	10111	Particular Topics in Networking Systems
200	10112	Local Area Networking
200	10147	Networking Systems—Independent Study
200	10148	Networking Systems—Workplace Experience
200	10149	Networking Systems—Other
200	10152	Computer Programming
200	10153	Visual Basic (VB) Programming
200	10154	C++ Programming
200	10155	Java Programming
200	10156	Computer Programming—Other Language

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
200	10157	AP Computer Science A
200	10159	IB Computing Studies
200	10160	Particular Topics in Computer Programming
200	10197	Computer Programming—Independent Study
200	10198	Computer Programming—Workplace Experience
200	10199	Computer Programming—Other
200	10201	Web Page Design
200	10202	Computer Graphics
200	10203	Interactive Media
200	10204	Particular Topics in Media Technology
200	10205	Computer Gaming and Design
200	10206	Mobile Applications
200	10247	Media Technology—Independent Study
200	10248	Media Technology—Workplace Experience
200	10249	Media Technology—Other
200	10251	Computer Technology
200	10252	Computer Maintenance
200	10253	Information Support and Services
200	10254	IT Essentials: PC Hardware and Software
200	10255	CISCO—The Panduit Network Infrastructure Essentials (PNIE)
200	10256	Particular Topics in Information Support and Services
200	10297	Information Support and Services—Independent Study
200	10298	Information Support and Services—Workplace Experience
200	10299	Information Support and Services—Other
200	10301	Computer Forensics
200	10302	Cyber Crime
200	10995	Information Technology—Aide
200	10997	Information Technology—Independent Study
200	10998	Information Technology—Workplace Experience
200	10999	Information Technology—Other
COMMUNICATION AND COMMUNICATION TECHNOLOGIES		
210	11001	Introduction to Communication
210	11002	Communication Technology
210	11003	Particular Topics in Communication
210	11004	Social Media
210	11047	Communication—Independent Study
210	11048	Communication—Workplace Experience
210	11049	Communication—Other
210	11051	Audio/Visual Production
210	11052	Commercial Photography

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
210	11053	Photographic Laboratory and Darkroom
210	11054	Photo Imaging
210	11055	Video
210	11056	Particular Topics in Audio/Video Technology and Film
210	11097	Audio/Video Technology and Film—Independent Study
210	11098	Audio/Video Technology and Film—Workplace Experience
210	11099	Audio/Video Technology and Film—Other
210	11101	Journalism
210	11102	Photojournalism
210	11103	Broadcasting Technology
210	11104	Publication Production
210	11105	Particular Topics in Journalism and Broadcasting
210	11106	Emerging Technologies in Journalism
210	11107	Radio Production
210	11147	Journalism and Broadcasting—Independent Study
210	11148	Journalism and Broadcasting—Workplace Experience
210	11149	Journalism and Broadcasting—Other
210	11151	Digital Media Technology
210	11152	Desktop Publishing
210	11153	Digital Media Design and Production
210	11154	Commercial Graphic Design
210	11155	Graphic Technology
210	11156	Photography and Printing Technology
210	11157	Photoengraving
210	11158	Print Press Operations
210	11159	Particular Topics in Printing Technology and Production
210	11197	Printing Technology—Independent Study
210	11198	Printing Technology—Workplace Experience
210	11199	Printing Technology—Other
210	11995	Communication and Audio/Video Technology—Aide
210	11997	Communication and Audio/Video Technology—Independent Study
210	11998	Communication and Audio/Video Technology—Workplace Experience
210	11999	Communication and Audio/Video Technology—Other
210	05162	Visual Communications Design
210	05163	Advertising Design

**BUSINESS, FINANCE, AND MARKETING**

**BUSINESS SUPPORT**

221	12001	Business/Office Career Exploration
221	12002	Office Procedures—Comprehensive

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
221	12003	Office and Administrative Technologies
221	12004	Office Services
221	12005	Keyboarding
221	12006	Word Processing
221	12007	Recordkeeping
221	12008	Particular Topics in Administration
221	12009	Business Communications
221	12047	Administration—Independent Study
221	12048	Administration—Workplace Experience
221	12049	Administration—Other
221	10005	Business Computer Applications
221	10151	Business Programming
221	20151	Distribution—Comprehensive
221	20152	Warehouse Operations
221	20197	Distribution and Logistics—Independent Study
221	20198	Distribution and Logistics—Workplace Experience
221	20199	Distribution and Logistics—Other
<b>BUSINESS MANAGEMENT</b>		
222	12051	Introductory Business
222	12052	Business Management
222	12053	Entrepreneurship
222	12054	Business Law
222	12055	Business Principles and Management
222	12056	International Business and Marketing
222	12057	Human Resources and Labor Relations
222	12058	Human Resources Management
222	12059	IB Business and Management
222	12060	Business Ethics
222	12097	Management—Independent Study
222	12098	Management—Workplace Experience
222	12099	Management—Other
222	12995	Business and Marketing—Aide
222	12997	Business and Marketing—Independent Study
222	12998	Business and Marketing—Workplace Experience
222	12999	Business and Marketing—Other
<b>FINANCE</b>		
223	12101	Banking and Finance
223	12102	Banking
223	12103	Finance

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
223	12104	Accounting
223	12105	Business Economics
223	12106	Risk Management and Insurance
223	12107	Securities and Investments
223	12108	Cost Accounting
223	12109	Income Tax Accounting
223	12110	Payroll Accounting
223	12111	Particular Topics in Accounting
223	12147	Finance—Independent Study
223	12148	Finance—Workplace Experience
223	12149	Finance—Other
<b>MARKETING</b>		
224	12151	Marketing Career Exploration
224	12152	Marketing—Comprehensive
224	12153	Marketing—Fashion
224	12154	Marketing—Real Estate
224	12155	Marketing—Transportation
224	12156	Marketing—Food/Beverage Industry
224	12157	Marketing—Insurance
224	12158	Marketing—Floristry
224	12159	Marketing—Hospitality/Tourism
224	12160	Marketing—Merchandising
224	12161	Retail Marketing
224	12162	Internet Marketing
224	12163	Sports and Entertainment Marketing
224	12164	Principles of Marketing
224	12165	Principles of Advertising
224	12166	Marketing Management
224	12167	Marketing—Other Specialization
224	12168	Marketing —Commodities
224	12169	Social Media Marketing
224	12197	Marketing—Independent Study
224	12198	Marketing—Workplace Experience
224	12199	Marketing—Other
224	12201	Cashier/Checker Operations
224	12202	Principles of Selling
224	12247	Sales—Independent Study
224	12248	Sales—Workplace Experience
224	12249	Sales—Other



SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
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**ENGINEERING, DESIGN, AND PRODUCTION**

**MANUFACTURING AND TECHNOLOGY**

231	13001	Exploration of Manufacturing Occupations
231	13002	Manufacturing—Comprehensive
231	13003	Industrial Arts
231	13004	Industrial Safety/First Aid
231	13052	Material and Processes
231	13053	Metal and Wood Processing/Production
231	13054	Wood Processing/Production
231	13055	Metal Processing/Production
231	13056	Plastics Processing/Production
231	13057	Ceramic Processing/Production
231	13058	Particular Topics in Processing and Production
231	13097	Processing/Production—Independent Study
231	13098	Processing/Production—Workplace Experience
231	13099	Processing/Production—Other
231	13101	Production Systems
231	13102	Electro-Mechanical Systems
231	13103	Product Development
231	13147	Production Systems—Independent Study
231	13148	Production Systems—Workplace Experience
231	13149	Production Systems—Other
231	13201	Metalwork Occupations
231	13202	Metalworking
231	13203	Machining
231	13204	Particular Topics in Machining
231	13205	Sheet Metal
231	13206	Particular Topics in Sheet Metal
231	13207	Welding
231	13208	Particular Topics in Welding
231	13209	Particular Topics in Metalwork
231	13247	Metalwork—Independent Study
231	13248	Metalwork—Workplace Experience
231	13249	Metalwork—Other
231	13995	Manufacturing—Aide
231	13997	Manufacturing—Independent Study
231	13998	Manufacturing—Workplace Experience
231	13999	Manufacturing—Other
231	17106	Electronics—Comprehensive
231	17107	Particular Topics in Electronics

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
231	17108	Electricity/Electronics—General
231	17109	Particular Topics in Electricity/Electronics
231	17110	Analog and Digital Circuits
231	17111	Analog Circuits
231	17112	Digital Circuits
231	17147	Electricity/Electronics—Independent Study
231	17148	Electricity/Electronics—Workplace Experience
231	17149	Electricity/Electronics—Other
231	18506	Alternative Energy
231	20101	Energy/Power
231	21051	Technological Literacy
231	21052	Technological Processes
231	21053	Emerging Technologies
231	21054	Technology Innovation and Assessment
231	21055	Aerospace Technology
231	21056	Particular Topics in Technology Applications
231	21057	Laser/Fiber Optics
231	21058	Geospatial Technology
231	21059	Modeling and Simulation Technology
231	21060	Wind Energy
231	21061	Wind Turbine Construction and Operation
231	21062	IB Technology, Middle Years Program
231	21097	Technology—Independent Study
231	21098	Technology—Workplace Experience
231	21099	Technology—Other

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**ENGINEERING AND DESIGN**

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232	03206	IB Design Technology
232	05191	Industrial Design
232	05192	Architectural Design
232	21001	Pre-Engineering Technology
232	21002	Engineering Applications
232	21003	Engineering Technology
232	21004	Principles of Engineering
232	21005	Engineering—Comprehensive
232	21006	Engineering Design
232	21007	Engineering Design and Development
232	21008	Digital Electronics
232	21009	Robotics
232	21010	Computer Integrated Manufacturing
232	21011	Civil Engineering

<b>SSCT code</b>	<b>SCED 2.0 Code</b>	<b>SSCT Subject Field and SCED Course Title</b>
232	21012	Civil Engineering and Architecture
232	21013	Aerospace Engineering
232	21014	Biotechnical Engineering
232	21015	Particular Topics in Engineering
232	21016	Engineering Analysis
232	21047	Engineering—Independent Study
232	21048	Engineering—Workplace Experience
232	21049	Engineering—Other
232	21101	Drafting Careers Exploration
232	21102	Drafting—General
232	21103	Drafting—Architectural
232	21104	Drafting—Civil/Structural
232	21105	Drafting—Electrical/Electronic
232	21106	Drafting—Technical/Mechanical
232	21107	CAD Design and Software
232	21108	Blueprint Reading
232	21147	Drafting—Independent Study
232	21148	Drafting—Workplace Experience
232	21149	Drafting—Other
232	21995	Engineering and Technology—Aide
232	21997	Engineering and Technology—Independent Study
232	21998	Engineering and Technology—Workplace Experience
232	21999	Engineering and Technology—Other
<b>HEALTH CARE</b>		
240	14001	Exploration of Health Care Occupations
240	14002	Health Care Occupations—Comprehensive
240	14003	Medical Law and Ethics
240	14051	Nursing
240	14052	Nursing—LPN
240	14053	Home Health Care
240	14054	Dental Science
240	14055	Emergency Medical Technology
240	14056	Surgical Technology
240	14057	Vision Care
240	14058	Optometrics
240	14059	Gerontology
240	14060	Physical Therapy
240	14061	Respiratory Therapy
240	14062	Sports Medicine
240	14063	Particular Topics in Therapeutic Services

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
240	14097	Therapeutic Services—Independent Study
240	14098	Therapeutic Services—Workplace Experience
240	14099	Therapeutic Services—Other
240	14101	Dental Laboratory Technology
240	14102	Medical Lab Technology
240	14103	EKG Technology
240	14104	Phlebotomy
240	14105	Particular Topics in Diagnostic Services
240	14147	Diagnostic Services—Independent Study
240	14148	Diagnostic Services—Workplace Experience
240	14149	Diagnostic Services—Other
240	14151	Medical/Clerical Assisting
240	14152	Pharmacy Assisting
240	14153	Medical Office Procedures
240	14154	Medical Terminology
240	14155	Particular Topics in Health Information
240	14156	Medical Coding and Transcription
240	14157	Health Informatics and Data Management
240	14197	Health Information—Independent Study
240	14198	Health Information—Workplace Experience
240	14199	Health Information—Other
240	14203	Health Unit Coordination
240	14201	Central Service Technology
240	14202	Health Support Services
240	14204	Particular Topics in Support Services
240	14247	Health Support Services—Independent Study
240	14248	Health Support Services—Workplace Experience
240	14249	Health Support Services—Other
240	14995	Health Care Sciences—Aide
240	14997	Health Care Sciences—Independent Study
240	14998	Health Care Sciences—Workplace Experience
240	14999	Health Care Sciences—Other
240	19301	Counseling and Mental Health

**PUBLIC SERVICES**

**PUBLIC SAFETY AND ADMINISTRATION**

251	15001	Exploration of Public Service Careers
251	15051	Criminal Justice
251	15052	Corrections
251	15053	Particular Topics in Law Enforcement

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
251	15054	Law Enforcement
251	15055	Forensic Science
251	15056	Crime Scene Management
251	15057	Criminal Law and Procedures
251	15058	Ethics in Criminal Justice
251	15097	Law Enforcement—Independent Study
251	15098	Law Enforcement—Workplace Experience
251	15099	Law Enforcement—Other
251	15101	Public Safety
251	15102	Security Services
251	15103	Particular Topics in Security
251	15104	Public Safety Telecommunications
251	15147	Security and Protection—Independent Study
251	15148	Security and Protection—Workplace Experience
251	15149	Security and Protection—Other
251	15151	Fire Science
251	15152	Fire Fighting
251	15153	Particular Topics in Fire Management
251	15197	Fire Management—Independent Study
251	15198	Fire Management—Workplace Experience
251	15199	Fire Management—Other
251	15201	Public Administration
251	15202	Community Protection
251	15203	Public Policy
251	15247	Government Service—Independent Study
251	15248	Government Service—Workplace Experience
251	15249	Government Service—Other
251	15995	Public, Protective, and Government Service—Aide
251	15997	Public, Protective, and Government Service—Independent Study
251	15998	Public, Protective, and Government Service—Workplace Experience
251	15999	Public, Protective, and Government Service—Other

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**EDUCATION**

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252	19151	Teaching Profession
252	19152	Educational Methodology
252	19153	Teaching—Early Childhood Education
252	19154	Particular Topics in Education
252	19155	Instructional Technology
252	19197	Education—Independent Study
252	19198	Education—Workplace Experience
252	19199	Education—Other

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
<b>CONSUMER SERVICES</b>		
<b>HOSPITALITY</b>		
261	16001	Exploration of Hospitality Careers
261	16051	Exploration of Restaurant, Food, and Beverage Services
261	16052	Restaurant, Food, and Beverage Services—Comprehensive
261	16053	Food Service
261	16054	Nutrition and Food Preparation
261	16055	Restaurant Management and Operations
261	16056	Culinary Art Specialty
261	16057	Particular Topics in Restaurant, Food, and Beverage Services
261	16097	Restaurant, Food, and Beverage Services—Independent Study
261	16098	Restaurant, Food, and Beverage Services—Workplace Experience
261	16099	Restaurant, Food, and Beverage Services—Other
261	16101	Exploration of Lodging Careers
261	16102	Lodging—Comprehensive
261	16103	Institutional Maintenance
261	16104	Particular Topics in Lodging
261	16147	Lodging—Independent Study
261	16148	Lodging—Workplace Experience
261	16149	Lodging—Other
261	16151	Introduction to Travel and Tourism
261	16152	Travel and Tourism—Comprehensive
261	16153	World Travel and Tourism
261	16154	Eco-Tourism
261	16155	Particular Topics in Travel and Tourism
261	16197	Travel and Tourism—Independent Study
261	16198	Travel and Tourism—Workplace Experience
261	16199	Travel and Tourism—Other
261	16201	Exploration of Recreation, Amusement, and Attractions
261	16202	Recreation, Amusement, and Attractions—Comprehensive
261	16203	Particular Topics in Recreation, Amusement, and Attractions
261	16204	Recreation, Amusement, and Attractions Management
261	16247	Recreation, Amusement, and Attractions—Independent Study
261	16248	Recreation, Amusement, and Attractions—Workplace Experience
261	16249	Recreation, Amusement, and Attractions—Other
261	16995	Hospitality and Tourism—Aide
261	16997	Hospitality and Tourism—Independent Study
261	16998	Hospitality and Tourism—Workplace Experience
261	16999	Hospitality and Tourism—Other

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
<b>CHILD AND ELDER CARE</b>		
262	19001	Human Services Career Exploration
262	19051	Child Care
262	19052	Child Development
262	19053	Elder Care
262	19054	Child and Adult Care Services
262	19055	Particular Topics in Child and Elder Care
262	19097	Child and Elder Care—Independent Study
262	19098	Child and Elder Care—Workplace Experience
262	19099	Child and Elder Care—Other
262	19995	Human Services—Aide
262	19997	Human Services—Independent Study
262	19998	Human Services—Workplace Experience
262	19999	Human Services—Other
<b>COSMETOLOGY</b>		
263	19101	Cosmetology—Licensing
263	19102	Barbering
263	19103	Hair Styling
263	19104	Cosmetology—Non-licensing
263	19105	Cosmetology—Nail Specialization
263	19106	Cosmetology—Facial Specialization
263	19107	Particular Topics in Cosmetology
263	19147	Cosmetology—Independent Study
263	19148	Cosmetology—Workplace Experience
263	19149	Cosmetology—Other
<b>TEXTILES AND FURNISHINGS</b>		
264	19201	Clothing and Textiles
264	19202	Clothing/Textile Maintenance
264	19203	Apparel Construction
264	19204	Apparel and Textile Services
264	19205	Home Furnishing
264	19206	Home Furnishings Production
264	19207	Particular Topics in Apparel and Furnishings
264	19247	Apparel and Furnishings—Independent Study
264	19248	Apparel and Furnishings—Workplace Experience
264	19249	Apparel and Furnishings—Other
264	05190	Fashion Design
264	05193	Interior Design

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
<b>CONSTRUCTION</b>		
270	17001	Construction Careers Exploration
270	17002	Construction—Comprehensive
270	17003	Carpentry
270	17004	Framing Carpentry
270	17005	Particular Topics in Carpentry
270	17006	Woodworking
270	17007	Cabinetmaking
270	17008	Masonry
270	17009	Building Repair and Maintenance
270	17010	Home Maintenance
270	17011	Wall Finishings
270	17012	Upholstering
270	17013	Commercial Construction
270	17014	Concrete Foundations
270	17015	Construction Estimating
270	17016	Construction Management
270	17017	Particular Topics in Construction
270	17047	General Construction—Independent Study
270	17048	General Construction—Workplace Experience
270	17049	General Construction—Other
270	17051	Air Conditioning
270	17052	Refrigeration
270	17053	Heating
270	17054	Air Conditioning/Refrigeration
270	17055	Air Conditioning, Heating, and Refrigeration
270	17056	Heating, Ventilation, and Air Conditioning
270	17057	Particular Topics in HVACR
270	17058	Plumbing
270	17059	Plumbing and Heating
270	17097	Air Conditioning, Heating, and Plumbing—Independent Study
270	17098	Air Conditioning, Heating, and Plumbing—Workplace Experience
270	17099	Air Conditioning, Heating, and Plumbing—Other
270	17101	Exploration of Electricity/Electronics
270	17102	Electricity—Comprehensive
270	17103	Residential Wiring
270	17104	Industrial Electricity
270	17105	Particular Topics in Electricity
270	17995	Architecture and Construction—Aide
270	17997	Architecture and Construction—Independent study
270	17998	Architecture and Construction—Workplace Experience
270	17999	Architecture and Construction—Other



SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
<b>AGRICULTURE AND NATURAL RESOURCES</b>		
280	18001	Introduction to Agriculture and Natural Resources
280	18002	Agriculture—Comprehensive
280	18003	Agriculture and Natural Resources—Comprehensive
280	18004	Biological Applications in Agriculture
280	18005	Particular Topics in Environmental Service Systems
280	18051	Plant Systems/Science
280	18052	Horticultural Science
280	18053	Ornamental Horticulture
280	18054	Turf and Landscape Management
280	18055	Soil Science
280	18056	Particular Topics in Plant Systems
280	18097	Plant Systems—Independent Study
280	18098	Plant Systems—Workplace Experience
280	18099	Plant Systems—Other
280	18101	Animal Production/Science
280	18102	Small Animal Care
280	18103	Large Animal Care
280	18104	Equine Science
280	18105	Veterinary Science
280	18106	Particular Topics in Animal Systems
280	18107	Animal Nutrition
280	18108	Animal Genetics
280	18109	Integrated Pest Management
280	18147	Animal Systems—Independent Study
280	18148	Animal Systems—Workplace Experience
280	18149	Animal Systems—Other
280	18201	Agribusiness Management
280	18202	Agricultural Entrepreneurship
280	18203	Agricultural Leadership
280	18204	Particular Topics in Agribusiness
280	18205	Agriculture Computers and Technology
280	18247	Agribusiness—Independent Study
280	18248	Agribusiness—Workplace Experience
280	18249	Agribusiness—Other
280	18301	Agricultural Production
280	18302	Agricultural Processing
280	18303	Plant Processing
280	18304	Animal Processing

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
280	18305	Food Product Processing
280	18306	Aquaculture
280	18307	Agriculture and Society
280	18308	Agricultural Biotechnology
280	18309	Particular Topics in Agricultural Production/Processing
280	18310	Sustainable/Alternative Agriculture
280	18311	Viticulture
280	18401	Agriculture Mechanics/Equipment/Structures
280	18402	Agriculture Mechanics and Equipment
280	18403	Agriculture Structures
280	18404	Agricultural Metal Fabrication Technology
280	18405	Particular Topics in Agricultural Mechanics and Construction
280	18447	Agricultural Mechanics and Construction—Independent Study
280	18448	Agricultural Mechanics and Construction—Workplace Experience
280	18449	Agricultural Mechanics and Construction—Other
280	18347	Agricultural Production and Processing—Independent Study
280	18348	Agricultural Production and Processing—Workplace Experience
280	18349	Agricultural Production and Processing—Other
280	18406	Water Treatment
280	18501	Wildlife and Recreation Management
280	18502	Forestry Management
280	18504	Natural Resources Management
280	18505	Particular Topics in Natural Resources
280	18547	Natural Resources—Independent Study
280	18548	Natural Resources—Workplace Experience
280	18549	Natural Resources—Other
280	18995	Agriculture, Food, and Natural Resources—Aide
280	18997	Agriculture, Food, and Natural Resources—Independent Study
280	18998	Agriculture, Food, and Natural Resources—Workplace Experience
280	18999	Agriculture, Food, and Natural Resources—Other
280	22203	Food Science
<b>MECHANICAL REPAIR AND OPERATION</b>		
290	20001	Exploration of Transportation, Distribution, and Logistics
290	20051	Truck and Bus Driving
290	20052	Heavy Equipment Operation
290	20053	Aviation
290	20054	Boat Operation
290	20055	Pilot Training
290	20097	Operation—Independent Study
290	20098	Operation—Workplace Experience

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
290	20099	Operation—Other
290	20102	Power and Mechanics
290	20103	Introduction to Automobiles
290	20104	Automotive Mechanics—Comprehensive
290	20105	Particular Topics in Automotive Mechanics
290	20106	Automotive Service
290	20107	Diesel Mechanics—Comprehensive
290	20108	Particular Topics in Diesel Mechanics
290	20109	Small Vehicle Mechanics
290	20110	Small Engine Mechanics
290	20111	Marine Mechanics
290	20112	Heavy Equipment Mechanics
290	20113	Aircraft Power Plant
290	20114	Aircraft Airframe
290	20115	Automotive Detailing and Reconditioning
290	20116	Automotive Body Repair and Refinishing—Comprehensive
290	20117	Particular Topics in Automotive Body Repair and Refinishing
290	20118	Boat Repair/Refinishing
290	20119	Hybrid Engines
290	20120	Motorsports Technology
290	20147	Mechanics and Repair—Independent Study
290	20148	Mechanics and Repair—Workplace Experience
290	20149	Mechanics and Repair—Other
290	20995	Transportation, Distribution, and Logistics—Aide
290	20997	Transportation, Distribution, and Logistics—Independent Study
290	20998	Transportation, Distribution, and Logistics—Workplace Experience
290	20999	Transportation, Distribution, and Logistics—Other
290	13301	Appliance Repair
290	13302	Equipment Maintenance and Repair
290	13303	Industrial Maintenance
290	13347	Repair—Independent Study
290	13348	Repair—Workplace Experience
290	13349	Repair—Other
<b>ENRICHMENT COURSES</b>		
<b>RELIGIOUS EDUCATION</b>		
300	07001	Religious Foundations
300	07002	Comparative Religion
300	07003	Eastern Religions
300	07004	Western Religions

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
300	07005	Scriptures
300	07006	Old Testament
300	07007	New Testament
300	07008	Bible History
300	07009	Christology
300	07010	Religious Figures
300	07011	Liturgy and Prayer
300	07012	Prayer and Spirituality
300	07013	Religious Ethics and Morality
300	07014	Justice, Peace, and Faith
300	07015	Faith and Lifestyle
300	07016	Ministry
300	07995	Religious Education and Theology—Aide
300	07997	Religious Education and Theology—Independent Study
300	07998	Religious Education and Theology—Workplace Experience
300	07999	Religious Education and Theology—Other
<b>PHYSICAL AND HEALTH EDUCATION</b>		
310	08001	Physical Education
310	08002	Team Sports
310	08003	Individual/Dual Sports
310	08004	Recreation Sports
310	08005	Fitness/Conditioning Activities
310	08006	Corps Movement
310	08007	Adapted Physical Education
310	08008	Gymnastics
310	08009	Weight Training
310	08010	Aquatics/Water Sports
310	08011	Tennis
310	08012	Self-Defense
310	08013	Specific Sports Activities
310	08014	Physical Education Equivalent
310	08015	Off-Campus Sports
310	08016	Lifetime Fitness Education
310	08017	Sports Physiology
310	08028	Physical Education (early childhood education)
310	08029	Physical Education (pre-kindergarten)
310	08030	Physical Education (kindergarten)
310	08031	Physical Education (grade 1)
310	08032	Physical Education (grade 2)
310	08033	Physical Education (grade 3)

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
310	08034	Physical Education (grade 4)
310	08035	Physical Education (grade 5)
310	08036	Physical Education (grade 6)
310	08037	Physical Education (grade 7)
310	08038	Physical Education (grade 8)
310	08039	Physical Education—General
310	08040	IB Physical Education, Middle Years Program
310	08047	Physical Education—Independent Study
310	08048	Physical Education—Workplace Experience
310	08049	Physical Education—Other
310	08051	Health Education
310	08052	Health and Fitness
310	08053	Community Health
310	08054	Special Needs Health Education
310	08055	Safety and First Aid
310	08056	Health for Parenting Teens
310	08057	Health and Life Management
310	08058	Substance Abuse Prevention
310	08097	Health Education—Independent Study
310	08098	Health Education—Workplace Experience
310	08099	Health Education—Other
310	08151	Drivers' Education—Classroom Only
310	08152	Drivers' Education—Classroom and Laboratory
310	08197	Drivers' Education—Independent Study
310	08198	Drivers' Education—Workplace Experience
310	08199	Drivers' Education—Other
310	08201	Physical Education/Health/Drivers' Education
310	08995	Physical, Health, and Safety Education—Aide
310	08997	Physical, Health, and Safety Education—Independent Study
310	08998	Physical, Health, and Safety Education—Workplace Experience
310	08999	Physical, Health, and Safety Education—Other
MILITARY EDUCATION		
320	09001	Introduction to Jr. ROTC
320	09002	Military Jr. ROTC—unspecified branch
320	09003	ROTC Drill
320	09004	Military Leadership
320	09051	Army Junior ROTC I
320	09052	Army Junior ROTC II
320	09053	Army Junior ROTC III
320	09054	Army Junior ROTC IV

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
320	09101	Naval Junior ROTC I
320	09102	Naval Junior ROTC II
320	09103	Naval Junior ROTC III
320	09104	Naval Junior ROTC IV
320	09151	Air Force Junior ROTC I
320	09152	Air Force Junior ROTC II
320	09153	Air Force Junior ROTC III
320	09154	Air Force Junior ROTC IV
320	09201	Marine Corps Junior ROTC I
320	09202	Marine Corps Junior ROTC II
320	09203	Marine Corps Junior ROTC III
320	09204	Marine Corps Junior ROTC IV
320	09995	Military Science—Aide
320	09997	Military Science—Independent Study
320	09998	Military Science—Workplace Experience
320	09999	Military Science—Other

#### MISCELLANEOUS

330	22001	Standardized Test Preparation
330	22002	State Test Preparation
330	22003	Study Skills
330	22004	Dropout Prevention Program
330	22005	Tutorial
330	22006	Study Hall
330	22007	Advancement Via Individual Determination (AVID)
330	22051	Office Aide
330	22052	Guidance Aide
330	22053	Library/AVC Aide
330	22054	Tutoring Practicum
330	22101	Leadership
330	22102	School Orientation
330	22103	School Governance
330	22104	Community Service
330	22105	Values Clarification
330	22106	Seminar
330	22110	AP Seminar
330	22250	Exploratory
330	22251	Community Living
330	22252	Communication Instruction
330	22253	Social Development Instruction
330	22254	Developmental Support

SSCT code	SCED 2.0 Code	SSCT Subject Field and SCED Course Title
330	22260	IB Personal Project, Middle Years Program
330	22995	Miscellaneous—Aide
330	22997	Miscellaneous—Independent Study
330	22998	Miscellaneous—Workplace Experience
330	22999	Miscellaneous—Other
330	10001	Introduction to Computer Technology
330	10003	Computer and Information Technology
330	10004	Computer Applications
330	10008	Particular Topics in Computer Literacy
330	10010	Computer Literacy
<b>CAREER EXPLORATION/DEVELOPMENT</b>		
340	22151	Career Exploration
340	22152	Employability Skills
340	22153	Diversified Occupations
<b>FAMILY AND CONSUMER SCIENCES</b>		
350	22201	Family and Consumer Science—Comprehensive
350	22202	Food and Nutrition
350	22204	Child Development/Parenting
350	22205	Clothing/Sewing
350	22206	Life Skills
350	22207	Self-Management
350	22208	Family Living
350	22209	Personal Development
350	22210	Consumer Economics/Personal Finance
350	22211	Home Décor
350	22245	Family and Consumer Science—Aide
350	22247	Family and Consumer Science—Independent Study
350	22249	Family and Consumer Science—Other
<b>NOT IN SCOPE (should not be on high school transcripts)</b>		
	23001	Early Childhood Education
	23002	Pre-Kindergarten
	23003	Kindergarten
	23004	Grade 1
	23005	Grade 2
	23006	Grade 3
	23007	Grade 4
	23008	Grade 5
	23009	Grade 6
	23010	Grade 7
	23011	Grade 8
	23012	Prior-to-Secondary Education
	23041	IB Primary Years Program

## Appendix B: The SSCT Compared to the SST

This appendix compares the 2007 Secondary School Taxonomy (SST) and the Secondary School Course Taxonomy (SSCT), noting where classifications in the new taxonomy differ (generally speaking) from the old. These changes were made in order to better match the National Center for Education Statistics's (NCES's) current approach to examining Career and Technical Education (CTE) (e.g., family and consumer sciences education is no longer counted as CTE), and to maximize alignment with the SCED (e.g., merging business and marketing courses into one category).

The SSCT maintains the three broad curriculum areas of academic, CTE, and enrichment, and the same six academic subject fields (English, mathematics, science, social studies, arts, and foreign languages) that were in the SST. The enrichment curriculum includes the same subject fields that were in the SST, with the addition of "CTE-related" courses (*career exploration* courses and *family and consumer sciences education* courses). CTE-related courses can be combined with CTE courses to better match the broader conception of CTE used in past NCES work (e.g., Levesque et al. 2008).<sup>1</sup>

CTE subject fields within the two taxonomies are largely the same, but do have some notable differences. As seen in Exhibit B-1, the SST included three higher order CTE classifications of (1) specific labor market preparation, also referred to as occupational education (business, construction, etc.), (2) general labor market preparation (industrial arts, career education, etc.), and (3) family and consumer sciences education. Because the *CTE Statistics* program now focuses its work on occupational education, maintaining this triad was not necessary, and the SSCT includes only occupational education within the CTE curriculum area. More specific changes within CTE subject fields are discussed below.

Exhibit B-1 shows that the SST included 21 CTE (occupational education) fields, which were aggregated (due to sample size limitations) in most NCES reports into 12 CTE fields. The SSCT reduces the number of disaggregated CTE occupational fields from 21 to 18, and the number of aggregated fields from 12 to 10. This latter reduction resulted from (1) combining manufacturing courses and engineering technologies courses into "Engineering, Design, and Production" and (2) combining business courses and marketing courses into "Business, Finance, and Marketing." These mergings combine CTE areas that are conceptually similar and have related coursetaking patterns (see exhibit 1 in Hudson and Laird, 2009) and help maintain consistency with the SCED taxonomy.

Within CTE subject fields, architecture courses were moved from "Construction and Architecture" in the SST to "Engineering and Design" in the SSCT, in order to align with SCED. In addition, all electronics courses were moved to "Manufacturing and Technology"; these courses were in different subject fields

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<sup>1</sup> This merging will not completely match the broader CTE definition used in past NCES work because the SCED moved some courses in both "General Labor Market Preparation" and "Family and Consumer Sciences Education" (the two nonoccupational sectors of the old CTE definition that are no longer included in the new definition) into CTE subject fields. For example, *industrial arts* courses were moved from "General Labor Market Preparation" to "Manufacturing."



in the SST. Finally, all apparel and textiles courses were moved from the SST “Manufacturing” category to the SSCT “Consumer Services” category.

Other apparent changes are nonexistent or minimal. First, it appears that design courses were moved from “Communications and Design” to “Engineering and Design.” This is merely a change in terminology, however, as the new taxonomy refers to design courses as development of the specifications for objects that are manufactured or constructed (e.g., it includes drafting and industrial design, but does not include graphic design). “Design” in the older taxonomy referred primarily to graphic design. Second, the old taxonomy had two subcategories under “Public Services” for “Legal Services” and “Library Science”; these categories do not exist in the SSCT because the courses within these categories were rarely taught and do not have separate listings in the SCED (version 2.0).<sup>2</sup> Finally, the SST had two subcategories under “Consumer and Culinary Services” for “Culinary Arts” and “Consumer Services”; the SSCT has a similar aggregated category called “Consumer Services” which includes essentially the same courses, with the addition of apparel and textiles courses, organized into the four subcategories of “Hospitality” (including culinary arts courses), “Cosmetology,” “Child and Elder Care,” and “Textiles and Furnishings.”

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<sup>2</sup> Note that law courses are coded in the CSSC and SCED, and in both the SST and SSCT, under “Social Studies.” The only courses under the SST “Legal Services” category are *court reporting* and *prosecutorial science, other*.

**Exhibit B-1. Comparison of Career and Technical Education (CTE) subjects in the Secondary School Taxonomy (SST) and Secondary School Course Taxonomy (SSCT)**

SST CTE subject fields	SSCT CTE subject fields
Specific labor market preparation (or occupational education)	
Computer and Information Sciences	Computer and Information Sciences
Communications and Design	Communication and communication technologies
Business	Business, Finance, and Marketing
Business Support	Business Support
Business Management	Business Management
Business Finance	Finance
Marketing	Marketing
	Engineering, Design, and Production
Manufacturing	Manufacturing and Technology
Engineering Technologies	Engineering and Design
Health Sciences	Health Care
Public Services	Public Services
Education	Education
Protective Services	Public Safety and Administration
Public Administration	
Legal Services	
Library Science	
Consumer and Culinary Services	Consumer Services
Culinary Arts	Hospitality
Consumer Services	Cosmetology
	Child and Elder Care
	Textiles and Furnishings
Construction and Architecture	Construction
Construction	
Architecture	
Agriculture and Natural Resources	Agriculture and Natural Resources
Repair and Transportation	Mechanical Repair and Operation
Mechanics and Repair	
Transportation	
Family and Consumer Sciences Education	(moved to "Enrichment")
General Labor Market Preparation	(moved to "Enrichment")

## Appendix C: Standard Errors for Average Number of Credits in Table 1

**Table C-1. Standard errors for Table 1: Comparison of average number of credits that public high school graduates earned in each subject field when using School Courses for the Exchange of Data (SCED) version 2.0 taxonomy and when using the Secondary School Course Taxonomy (SSCT): 2013**

SCED subject field	Average number of credits		SSCT subject field
	SCED	SSCT	
<b>Total, all subject fields</b>	<b>0.120</b>	<b>0.120</b>	<b>Total, all subject fields</b>
Academic	0.097	0.100	Academic
Core Academic	0.077	0.080	Core Academic
English Language and Literature	0.029	0.029	English
Mathematics	0.026	0.026	Mathematics
Life and Physical Sciences	0.029	0.034	Science
Social Sciences and History	0.030	0.030	Social Studies
Fine and Performing Arts	0.040	0.039	Arts
Foreign Language and Literature	0.037	0.037	Foreign Languages
Career and Technical Education (CTE)	0.059	0.062	Career and Technical Education (CTE)
Computer and Information Sciences	0.021	0.012	Computer and Information Sciences
Communication and Audio/Video Technology	0.013	0.012	Communication and Communication Technologies
Business and Marketing	0.026	0.028	Business, Finance, and Marketing
Manufacturing	0.012	0.017	Manufacturing and Technology
Engineering and Technology	0.014	0.011	Engineering and Design
Health Care Sciences	0.025	0.022	Health Care
Public, Protective, and Government Services	0.008	0.011	Public Services
Human Services	0.012	†	†
Hospitality and Tourism	0.013	0.018	Consumer Services
Architecture and Construction	0.016	0.014	Construction
Agriculture, Food, and Natural Resources	0.024	0.024	Agriculture and Natural Resources
Transportation, Distribution, and Logistics	0.012	0.010	Mechanical Repair and Operation
Enrichment	0.070	0.070	Enrichment
Religious Education and Theology	0.003	0.003	Religious Education
Physical, Health, and Safety Education	0.036	0.036	Physical and Health Education
Military Education	0.018	0.018	Military Education
Miscellaneous	0.055	0.045	Miscellaneous (including career exploration and family and consumer sciences)

† Not applicable.

SOURCE: High School Longitudinal Study of 2009 (HSL:09), 2013 Update and High School Transcript File.