NLSY79
HIGH SCHOOL TRANSCRIPT SURVEY
OVERVIEW AND DOCUMENTATION

National Center for Research in Vocational Education
And
The Center for Human Resource Research
The Ohio State University

NLS User Services
usersvc@postoffice.chrr.ohio-state.edu

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A. OVERVIEW: HIGH SCHOOL TRANSCRIPT SURVEY

In 1979 the National Center for Research in Vocational Education at The Ohio State University, in collaboration with the Center for Human Resource Research, initiated the high school transcript survey. Support for the project was provided by the U.S. Department of Education, Office of Vocational and Adult Education. The survey was designed to collect the transcripts of persons in the NLS youth sample and to provide an information base to analyze the curricular experiences of American high school students. The transcript data were collected in three waves in 1980, 1981, and 1983. The data were collected at these intervals due to the age range covered in the NLS youth sample and the different dates for high school leaving or completion. The National Opinion Research Center (NORC) at the University of Chicago conducted the fieldwork for the transcript survey, coded the transcripts, and prepared a data tape for the National Center. The following discussion presents an overview of the transcript survey including the sample design, the type of information collected, and comments on the quality and condition of the data.

Sample Design and Data Collection

Members of the NLS youth cohort were first asked to participate in the transcript survey at the time of the base-year interview in 1979. Respondents were asked to sign a release granting NORC permission to collect their high school transcript. Approximately 94 percent of the sample complied with this request. The first round of transcript data collection was conducted in 1980. The target sample consisted of respondents who were seventeen years and older as of the 1979 interview (n=8420). Persons excluded from the round one data collection (as well as rounds two and three) were those in the military sample and youth who attended foreign high schools. The response rate for the round one survey was 77.2 percent.1
The fieldwork for the second round of the transcript study was conducted in 1981. The second round (n=2376) included persons born in 1963 (i.e., age seventeen as of January 1981) and those from round one whose transcript showed less than eight semesters of coursework and who had not dropped out of high school.* Codable transcripts were received for 81.2 percent of the round two sample.²

Round three of the transcript survey was completed in 1983. The sample (n=1576) consisted of persons in the NLS Youth cohort who were born in 1964 and, as in round two, those born before 1964 who were still enrolled in high school at the time of earlier collection efforts.* A response rate of 80.3 percent was achieved for the third round of the transcript survey.³

**Type of Information Collected**

The information, if available, coded from the student's transcript included: (1) days absent in grades nine through twelve; (2) academic rank in class and class size; (3) math and verbal scores for the Preliminary Scholastic Aptitude Test (PSAT), Scholastic Aptitude Test (SAT), and American College Test (ACT); (4) the date and reason the student left the school that supplied the transcript information; and (5) courses taken in high school. For each course four types of information were coded as follows: the grade level at which the course was taken, the course "title", the letter grade received, and the credit assigned for the course.

The coding system used to identify the actual courses taken by the student was developed from the Standard Terminology for Curriculum and Instruction in Local and State School Systems: Handbook VI.⁴ The course identification scheme consists of a two-digit subject matter prefix (e.g., math, English) and two additional digits which specify

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*As the transcripts of persons still enrolled in school were updated in the second and third waves of data collection, the earlier records were replaced to reflect the most recent information. The transcript file includes a variable indicating the round in which the data were collected.
the individual course within the general category (e.g., Algebra I, American Literature). At the time of coding course credits were converted to Carnegie credit units. The Carnegie credit-union system is commonly used to collect enrollment data when school systems use different methods of recording credit hours. The system assigns one (1.0) credit to a standard full-year course, or a course taken one hour a day for 180 days.

For the first and second rounds of data collection, up to fifty courses were coded from each transcript. In the third round of the transcript survey, the maximum number of courses was increased to sixty-five. The change in the round three coding procedures was made to permit greater disaggregation of courses that lasted only a semester, a trimester, or a quarter.

Consistency and Availability of the Transcript Data

The next section focuses on the consistency of the transcript data and the availability of data for analysis. Out of range data values and inter-item consistency problems are briefly discussed to alert the data user to potential analysis problems.* A summary of the number of cases days absent, class rank, test score, and credit data is also presented.

Out of range values. Across the three rounds of transcript data, 206 cases were found to have out-of-range values for various data items (e.g., '19' for grade level in which a course was taken). Table 1 on page 4 identifies the type, the number, and the percent of all transcript cases with course information (n=8951) that have out of range values.

These out of range values are left intact on the public data tape. The cases with such values can be identified using the variable DATA QUALITY FLAG which is included in each transcript record. The addendum to the transcript codebook should be consulted for further information.

*Work is in progress to further clean and edit the transcript data to eliminate these errors.
Table 1

OUT OF RANGE VALUES
(Number of cases and percent of total)

<table>
<thead>
<tr>
<th>Data Element</th>
<th>n</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class rank greater than class size</td>
<td>2</td>
<td>0.02</td>
</tr>
<tr>
<td>PSAT, SAT, or ACT score</td>
<td>1</td>
<td>0.01</td>
</tr>
<tr>
<td>Course title</td>
<td>13</td>
<td>0.15</td>
</tr>
<tr>
<td>Letter grade</td>
<td>15</td>
<td>0.17</td>
</tr>
<tr>
<td>Credits(^a)</td>
<td>185</td>
<td>2.07</td>
</tr>
<tr>
<td>Total(^b)</td>
<td>206</td>
<td>2.30</td>
</tr>
</tbody>
</table>

\(^a\)Out of range values for credits were identified as transcripts with more than eight credits in any one grade level or more than twenty-eight credits across the transcript record. It should be noted that the credits for over 100 of the cases that meet these criteria have been verified against the actual transcript.

\(^b\)Because a case may have more than one type of error, entries will not sum to total.

**Inter-item consistency.** The transcripts have been reviewed for inter-item consistency, specifically the relationship between the letter grade(s) and credit received for a course. The grade and credit data originally were coded using these decision rules:

\(\dagger\) For each course shown on the transcript, a grade \((A, B, C, D, E \text{ or satisfactory})\) with corresponding credit \((0, 50, 100, 200, \text{ etc.})\) were assigned. That is, if the student passed the course the appropriate amount of credit was recorded depending on the time spent in the course. Similarly, if the student failed the course, zero credit was assigned.

\(\dagger\) The exception was when either the grade or credit was illegible or missing. In this situation, the data that were interpretable were coded. For example, if the grade was present but not the credit, the actual letter grade was to be recorded and a \(-3\) (i.e., invalid skip) coded for the credit. If the grade was illegible but not the credit, a \(-3\) was to be assigned for the grade and amount of credit was coded under the established conventions.

Three types of grade and credit inter-item inconsistencies have been identified in the transcript data: (1) the student received a satisfactory or passing grade for the
course but zero credit is recorded; (2) the student failed the course but some credit is recorded; and (3) the student failed the course, but a -3 indicating an invalid skip is recorded for credit rather than zero. Table 2 shows the extent of these inter-item inconsistencies. Overall, only two percent of all courses (n=226,478) are affected, but approximately twenty-five percent of all cases with any course data (n=8951) have grade-credit inconsistencies.

Table 2
GRADE AND CREDIT INTER-ITEM INCONSISTENCIES
(Number of cases and percent of total)

<table>
<thead>
<tr>
<th></th>
<th>Cases</th>
<th></th>
<th>Courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
<td>%</td>
<td>n</td>
<td>%</td>
</tr>
<tr>
<td>Pass course, zero credit</td>
<td>1427</td>
<td>15.9</td>
<td>2616</td>
<td>1.2</td>
</tr>
<tr>
<td>Fail course, some credit</td>
<td>764</td>
<td>8.5</td>
<td>1864</td>
<td>0.8</td>
</tr>
<tr>
<td>Fail course, missing credit(^a)</td>
<td>250</td>
<td>2.8</td>
<td>686</td>
<td>0.3</td>
</tr>
<tr>
<td>Total(^b)</td>
<td>2260</td>
<td>25.3</td>
<td>5166</td>
<td>2.3</td>
</tr>
</tbody>
</table>

\(^a\) A -3 value is used for missing credit and indicates (1) amount of credit could not be determined (i.e., transcript illegible); (2) invalid skip; or (3) credit information was not present on transcript.

\(^b\) Because a case may have more than one type of inconsistency, entries will not sum to total.

Of the three types of inconsistencies, the "Pass course, Zero credit" combination is the least problematic. Many schools do not give credit for certain courses, most typically physical education and driver's training. In Table 3 (page 6), the grade-credit inconsistencies are disaggregated by subject area. The data show that nearly all types of courses are affected by the "Pass Course, Zero Credit" inconsistency, although the percentage of courses within any one subject area is generally less than one percent. Exceptions are found in physical education (2.7 percent), driver's education (12.3 percent), and career education (1.8 percent) courses.
## Table 3
GRADE AND CREDIT INTER-ITEM INCONSISTENCIES BY SUBJECT AREA

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>Fail Course Same Credit</th>
<th>Fall Course Missing Credit</th>
<th>Pass Course Zero Credit</th>
<th>Total Problem Courses</th>
<th>Total Courses in Subject Area</th>
<th>Percent Total Inconsistencies</th>
<th>Total Cases with Inconsistencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td>16</td>
<td>2</td>
<td>7</td>
<td>25</td>
<td>1729</td>
<td>1.45</td>
<td>22</td>
</tr>
<tr>
<td>Art</td>
<td>22</td>
<td>14</td>
<td>33</td>
<td>69</td>
<td>7582</td>
<td>0.91</td>
<td>65</td>
</tr>
<tr>
<td>Business</td>
<td>20</td>
<td>8</td>
<td>19</td>
<td>47</td>
<td>3133</td>
<td>1.50</td>
<td>44</td>
</tr>
<tr>
<td>Distributive</td>
<td>7</td>
<td>2</td>
<td>9</td>
<td>18</td>
<td>1075</td>
<td>1.67</td>
<td>17</td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Language Arts</td>
<td>430</td>
<td>119</td>
<td>229</td>
<td>778</td>
<td>43972</td>
<td>1.77</td>
<td>558</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>76</td>
<td>26</td>
<td>43</td>
<td>145</td>
<td>7966</td>
<td>1.82</td>
<td>131</td>
</tr>
<tr>
<td>Health Occupations</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>6</td>
<td>311</td>
<td>1.93</td>
<td>6</td>
</tr>
<tr>
<td>Health and Physical Education</td>
<td>119</td>
<td>66</td>
<td>762</td>
<td>947</td>
<td>27977</td>
<td>3.38</td>
<td>547</td>
</tr>
<tr>
<td>Home Economics</td>
<td>37</td>
<td>21</td>
<td>71</td>
<td>129</td>
<td>9882</td>
<td>1.31</td>
<td>110</td>
</tr>
<tr>
<td>Industrial Arts</td>
<td>35</td>
<td>22</td>
<td>40</td>
<td>97</td>
<td>7493</td>
<td>1.29</td>
<td>86</td>
</tr>
<tr>
<td>Mathematics</td>
<td>314</td>
<td>118</td>
<td>176</td>
<td>608</td>
<td>23899</td>
<td>2.54</td>
<td>500</td>
</tr>
<tr>
<td>Music</td>
<td>26</td>
<td>12</td>
<td>57</td>
<td>95</td>
<td>6998</td>
<td>1.36</td>
<td>81</td>
</tr>
<tr>
<td>Science</td>
<td>237</td>
<td>81</td>
<td>101</td>
<td>419</td>
<td>20141</td>
<td>2.08</td>
<td>363</td>
</tr>
<tr>
<td>Office Occupations</td>
<td>90</td>
<td>50</td>
<td>50</td>
<td>190</td>
<td>11462</td>
<td>1.66</td>
<td>149</td>
</tr>
<tr>
<td>Social Studies</td>
<td>363</td>
<td>105</td>
<td>206</td>
<td>674</td>
<td>34791</td>
<td>1.94</td>
<td>498</td>
</tr>
<tr>
<td>Technical Education</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trade and Industry</td>
<td>13</td>
<td>11</td>
<td>16</td>
<td>40</td>
<td>3045</td>
<td>1.31</td>
<td>29</td>
</tr>
<tr>
<td>Business Education</td>
<td>14</td>
<td>3</td>
<td>586</td>
<td>603</td>
<td>4773</td>
<td>12.63</td>
<td>570</td>
</tr>
<tr>
<td>ROTC</td>
<td>2</td>
<td>0</td>
<td>6</td>
<td>8</td>
<td>458</td>
<td>1.75</td>
<td>8</td>
</tr>
<tr>
<td>Philosophy and Religion</td>
<td>10</td>
<td>1</td>
<td>59</td>
<td>70</td>
<td>1609</td>
<td>4.35</td>
<td>42</td>
</tr>
<tr>
<td>Study Skills</td>
<td>0</td>
<td>0</td>
<td>23</td>
<td>23</td>
<td>848</td>
<td>2.71</td>
<td>21</td>
</tr>
<tr>
<td>Career Education</td>
<td>15</td>
<td>6</td>
<td>95</td>
<td>116</td>
<td>5155</td>
<td>2.25</td>
<td>98</td>
</tr>
<tr>
<td>Not Elsewhere Classified</td>
<td>17</td>
<td>16</td>
<td>26</td>
<td>59</td>
<td>2111</td>
<td>2.79</td>
<td>49</td>
</tr>
</tbody>
</table>

1Table entries are number of courses.
Availability of information. Transcript data are available for 9,010 of the 12,686 members of the NLS youth cohort. Table 4 on the next page provides descriptive information about the availability of various types of information from the transcript file. Approximately 5,400 cases have some days absent information, 5,600 have class rank data, and almost 2,500 show test score information. Estimates of the number of cases with usable course data are more arbitrary and depend upon the criteria for including (and excluding) courses. When a broad criteria for credits by grade level is employed, approximately 8,600 cases are found to have credit data. Of these, 5,900 transcript records have some credit information for each grade level 9 through 12.

Documentation

The documentation for the transcript study includes the codebook developed by NORC with the comments and instructions used to code the transcript data, special instructions for coding courses, and an addendum to the codebook. The codebook addendum is especially relevant to public data users; the discussion covers information added to the public use transcript file that is not available from the NORC documentation. Copies of the transcript coding form, the Student's School Record Information questionnaire* (which is reproduced in section F), and the detailed listings of the four-digit course titles, cataloged numerically and alphabetically, are also included.

*The Student's School Record Information questionnaire was distributed to the schools with the request for the student's transcript in the round one survey. This information, listed under the keyword "School Survey", consists of information about the school such as the racial-ethnic characteristics of students and teachers as well as selected characteristics of the respondent. One of the primary purposes of the School Survey was to collect any ability test scores contained in the school's records. The questionnaire was used in the transcript survey to obtain information concerning the date and reason the student left the school. These data were then incorporated in the student's transcript record. In rounds two and three, schools were asked to provide date and reason left on a label that was attached to the transcript when it was returned to NORC.
Table 4

AVAILABILITY FOR DAYS ABSENT, CLASS RANK, TEST SCORE AND CREDIT DATA
(Number of cases and percent of total)

<table>
<thead>
<tr>
<th></th>
<th>n</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAYS ABSENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No information</td>
<td>7276</td>
<td>57.4</td>
</tr>
<tr>
<td>Data for some grade levels</td>
<td>2210</td>
<td>17.4</td>
</tr>
<tr>
<td>(e.g., 9th grade only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data for grades 9 to 12</td>
<td>3200</td>
<td>25.2</td>
</tr>
<tr>
<td>CLASS RANK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No information(^a)</td>
<td>7061</td>
<td>55.7</td>
</tr>
<tr>
<td>Class rank data present</td>
<td>5625</td>
<td>44.3</td>
</tr>
<tr>
<td>TEST SCORES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No information(^b)</td>
<td>10257</td>
<td>80.9</td>
</tr>
<tr>
<td>ACT only</td>
<td>615</td>
<td>4.8</td>
</tr>
<tr>
<td>SAT only</td>
<td>393</td>
<td>3.1</td>
</tr>
<tr>
<td>PSAT only</td>
<td>486</td>
<td>3.8</td>
</tr>
<tr>
<td>Two or more test scores</td>
<td>935</td>
<td>7.4</td>
</tr>
<tr>
<td>CREDIT DATA BY GRADE LEVEL(^c)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No information</td>
<td>4077</td>
<td>32.1</td>
</tr>
<tr>
<td>9th only</td>
<td>521</td>
<td>4.1</td>
</tr>
<tr>
<td>9th and 10th only</td>
<td>626</td>
<td>4.9</td>
</tr>
<tr>
<td>9th, 10th, and 11th only</td>
<td>797</td>
<td>6.3</td>
</tr>
<tr>
<td>10th through 12th only</td>
<td>356</td>
<td>2.8</td>
</tr>
<tr>
<td>9th through 12th only</td>
<td>5890</td>
<td>46.4</td>
</tr>
<tr>
<td>Other combinations</td>
<td>419</td>
<td>3.3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>12686</td>
<td>100.0</td>
</tr>
</tbody>
</table>

\(^a\)Included in the "No Information" category are 133 cases where class rank is missing but the corresponding class size is present and 33 cases where class size is missing but class rank is present.

\(^b\)Included in the "No Information" category are six cases where one test score is present (e.g., math) and the second test score (e.g., verbal) is missing.

\(^c\)To be counted as having credit for a specific grade level the record must show at least one course where (1) grade level is within the 9 to 12 range; (2) course title is within the range of legitimate values; and (3) course credit is greater than zero. Courses coded as special education are excluded.
NOTES


B. TRANSCRIPT CODEBOOK

<table>
<thead>
<tr>
<th>ITEM</th>
<th>COMMENTS/CODING INSTRUCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAYS ABSENT</td>
<td>The actual number of days absent were coded for each year the student completed.</td>
</tr>
<tr>
<td>YR 1</td>
<td>YR 1 refers to grade 9, YR 2 to grade 10, YR 3 to grade 11 and YR 4 to grade 12.</td>
</tr>
<tr>
<td>YR 2</td>
<td>If the transcript included space to indicate whether the student was absent, but the space was not filled in, the following rules applied:</td>
</tr>
<tr>
<td>YR 3</td>
<td>1) If the school only entered numbers when students were actually absent (because information was filled in for some years but not for others), then DAYS ABSENT was coded as 0.</td>
</tr>
<tr>
<td>YR 4</td>
<td>2) If DAYS ABSENT could not be determined from the transcript, a -3 (invalid skip) code was assigned.</td>
</tr>
<tr>
<td></td>
<td>3) If the number of days present was available on the transcript, the number was subtracted from 180.</td>
</tr>
<tr>
<td>RANK IN CLASS</td>
<td>Rank in class and the number of students in the class were coded for the last year the student attended the school.</td>
</tr>
<tr>
<td>CLASS SIZE</td>
<td>Preliminary Scholastic Aptitude Test. Math and verbal scores were coded from the transcript or from the Student's School Record Information questionnaire, Question 4.</td>
</tr>
<tr>
<td>PSAT</td>
<td>Scholastic Aptitude Test. Math and verbal scores were coded from the transcript or from the Student's School Record Information questionnaire, Question 4.</td>
</tr>
<tr>
<td>SAT</td>
<td>American College Test. Math and verbal scores were coded from the transcript or from the Student's School Record Information Questionnaire, Question 4.</td>
</tr>
<tr>
<td>ACT</td>
<td>NOTE: For PSAT, SAT, and ACT scores, if a test was taken twice, the scores from the earlier test were coded.</td>
</tr>
<tr>
<td>YR</td>
<td>YR refers to the year, or grade level (i.e., 9, 10, 11, 12) that the student took the course. The earliest grade levels were coded first, beginning from the 9th to the 12th grade.</td>
</tr>
<tr>
<td></td>
<td>The grade level was usually specified by 09, 10, 11, or 12. If not, the following rules applied:</td>
</tr>
<tr>
<td></td>
<td>1) If the calendar year (e.g., 1977-78) was specified, the coder determined the school level by tracing the student's school history based on the grade s/he was currently enrolled</td>
</tr>
</tbody>
</table>
in or had left the school as indicated on the Student 
School Record Information questionnaire, Questions 1 and 1A.

2) If the course name was followed by a grade level, that 
grade level was coded.

Courses taken in the summer were considered as part of the 
previous school year.

A course title or the name of the course was assigned to each 
course taken by the student. See COURSE LIST as well as 
INSTRUCTIONS FOR CODING COURSES.

These abbreviations refer to grading periods. Because grading 
schedules vary from school to school and sometimes within a 
school, all the grades reported for a given course were coded 
in the appropriate semester (SEM), trimester (TRI), quarter 
(QUARTER), and/or the final (F) field.

When a grade was missing but a credit was assigned to the 
course, a passing mark (6) was coded for that course.

Schools also vary in the kind of grades they give to evaluate a 
student's performance. The following table was used to 
convert grades:

<table>
<thead>
<tr>
<th>Grades Reported by Schools</th>
<th>Converted Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>A*</td>
<td>94-100</td>
</tr>
<tr>
<td>B</td>
<td>86-93</td>
</tr>
<tr>
<td>C</td>
<td>78-85</td>
</tr>
<tr>
<td>D</td>
<td>70-77</td>
</tr>
<tr>
<td>E/F below 70 and non-pass</td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>Pass</td>
</tr>
</tbody>
</table>

* Plus and minus signs were ignored.

NOTE: Data users will note that the public release transcript file contains only one 
letter grade for each course on the transcript; the coding instructions show ten 
fields allocated for letter grades for each course (i.e., two fields for semester 
grades, three for trimester grades, four for quarter grades and one for a final 
grade). The decision rules used to assign the course grades for the public use 
data file are found in the codebook addendum.

CREDIT

The Carnegie credit-unit system was used to code credits for 
the courses the student completed. The credit system 
assigned a standard full year course with 1.00 credit. The 
following rules were applied:

1) If the school used a system where standard courses such as 
English and Social Studies received 1.00 credit when taken for 
a year, the credits the school assigned for all other courses 
were simply copied.
2) When the credit given for a standard course was not equal to 1.00, the credit was converted to the Carnegie system. That is, courses taken for a full year receive a credit of 1.00. For courses taken for less than a year, the coder determined how much credit the school assigned for a full year and divided the credit given for each course by that number.

Special Education courses such as Educable Mentally Retarded and Learning Resource Center were distinguished from regular courses by assigning 111 for credit.

When the credit was missing and a grade had been assigned to the course, a -3 was coded for credit except when the grade was a failure (credit equal 0).

NOTE: Credit was coded with two implied decimals. That is, a value of 50 on the data tape indicates .50 credit, 100 indicates 1.00 credit and so forth.
C. INSTRUCTIONS FOR CODING COURSES

References include:
1. Coder's list of courses by subject area.
2. Coder's alphabetical list of courses.

Vocational Courses versus General Preparatory-Type Courses
There are some courses which needed to be identified as either vocational-type or general preparatory-type courses. Special instructions are found in the listing of courses in the Home Economics and Industrial Arts (the latter was distinguished from Trades and Industry) sections.

Some Course Problems and Solutions
1. When an entire year's information was missing (and the case was considered complete) or when information for a given year was completely illegible:
   
   YR (i.e., GRADE LEVEL 9, 10, 11, or 12) was coded
   COURSE was coded as 8888 (on only 1 line)*
   All else—GRADE AND CREDIT—was assigned to -4

2. When information was present but some illegible:
   The legible information was coded the usual way
   YR, COURSE equal -3, the rest -4 were coded for each illegible line
   NOTE: As many lines as there were illegible courses should have been assigned. This was in contrast to #1 where only one line was completed.

3. When an incomplete grade was given, the course was not coded.

4. When the student was a transfer student and his/her courses (from the previous school) were reinterpreted by the most recent school, the information given by the most recent school was coded.

5. Withdrawals were ignored. Courses that a student failed, even when s/he failed them repeatedly, were coded each time the course was reported.

6. Courses taken in a full-time vocational school should have been coded as vocational courses. Such courses included English and math.

7. Courses were not coded when both grade and credit were missing. When the grade was missing but a credit had been assigned to the course, the course was coded and assigned a passing mark (6). When the credit was missing and a grade had been assigned to the course, a -3 was coded for credit except when the grade was a failure (credit equal 0).

8. Some courses are taken in two semesters while others are not. Courses which were reported in the first semester were coded first (assigning only one grade if taken once, two grades if taken in both semesters). All other courses (taken only in the second semester) were coded next.

*The data for each course were coded on one line of the transcript coding form.
9. Whenever possible, a low-level course was distinguished from a high one.

10. For students currently enrolled in school, the grade level s/he was in was coded as 0 for the course. All other variables were assigned a -4 (valid skip) code.

11. For students who graduated in three years, information was coded for grades 9, 10, and 12. Course data was not coded for 11th grade. For DAYS ABSENT, 11th grade was coded -3.
D. TRANSCRIPT CODEBOOK ADDENDUM

A) The month and year that the student left the school were coded from the transcript or from the Student's School Record Information questionnaire, Question 1A.

The reason that the student left the school was also coded from the transcript or Student's School Record Information questionnaire, Question 2. The reason variable is coded as follows:

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Graduated</td>
</tr>
<tr>
<td>2</td>
<td>Transferred</td>
</tr>
<tr>
<td>3</td>
<td>Expelled</td>
</tr>
<tr>
<td>4</td>
<td>Dropped out</td>
</tr>
<tr>
<td>5</td>
<td>Other</td>
</tr>
<tr>
<td>6</td>
<td>Received G.E.D.</td>
</tr>
<tr>
<td>-2</td>
<td>Don't know</td>
</tr>
<tr>
<td>-3</td>
<td>Missing, can't determine</td>
</tr>
</tbody>
</table>

B) The variable TRANSCRIPT FINAL DISPOSITION STATUS was assigned by NORC when the first wave of transcript collection was complete. The codes for the disposition variable consist of the following:

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Completed</td>
</tr>
<tr>
<td>2</td>
<td>Foreign school (no attempt to collect)</td>
</tr>
<tr>
<td>3</td>
<td>Drop out</td>
</tr>
<tr>
<td>4</td>
<td>Refused release</td>
</tr>
<tr>
<td>5</td>
<td>Missing release</td>
</tr>
<tr>
<td>6</td>
<td>School refused</td>
</tr>
<tr>
<td>7</td>
<td>Other missing</td>
</tr>
<tr>
<td>8</td>
<td>14-16 years old (no attempt to collect)</td>
</tr>
<tr>
<td>9</td>
<td>Military sample (no attempt to collect)</td>
</tr>
</tbody>
</table>

C) Only a final grade for each course is included in the public use transcript data. The decision rules for the creation of the variables FINAL or COMPUTED FINAL GRADE were as follows:

1) If a final grade was coded from the transcript, the final grade is reported.

2) If only semester, trimester, or quarter grades were coded from the transcript, the average of the grades is reported as the computed final grade.

3) The computed final grade was rounded to a whole integer; that is, the grade was rounded up at the .5 level and above and rounded down if the computed final grade was below the .5 level.

The variable SOURCE OF FINAL OR COMPUTED FINAL GRADE indicated which of the above decision rules was used to obtain the grade for each course. This variable consists of the following codes:
<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Final grade was used.</td>
</tr>
<tr>
<td>2</td>
<td>Two semester grades, or three trimester grades, or four quarter grades were used to obtain the computed final grade.</td>
</tr>
<tr>
<td>3</td>
<td>One semester grade, or less than three trimester grades, or less than four quarter grades were used to obtain the computed final grade.</td>
</tr>
</tbody>
</table>

A code of 3 for this variable does not necessarily indicate that the grades coded for the particular course were incomplete. In general, when SOURCE OF FINAL GRADE equals 3 the course was taken for less than a full year. For example, having one semester grade generally indicates that the course was taken for only one semester. If a course was less than a full year course, this will be reflected in the CREDIT variable for that course.

D) The variable ROUND INDICATOR identifies the round in which the transcript information was collected from the school. The codes for this variable are:

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Round one, 1980</td>
</tr>
<tr>
<td>2</td>
<td>Round two, 1981</td>
</tr>
<tr>
<td>3</td>
<td>Round three, 1983</td>
</tr>
<tr>
<td>-4</td>
<td>No transcript information</td>
</tr>
</tbody>
</table>

E) To alert public users to potential problems in the transcript data the variable DATA QUALITY FLAG indicating whether the record contains known out of range values or other inconsistencies has been added. DATA QUALITY FLAG is constructed so that different types of errors can be identified but not the number of incidences on an individual record. The values for this variable, which sum to produce unique codes for multiple types of errors, are:

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>No Errors</td>
</tr>
<tr>
<td>1</td>
<td>Fail Course with Credit Greater Than Zero</td>
</tr>
<tr>
<td>2</td>
<td>Fail Course with Missing Credit (i.e., -3)</td>
</tr>
<tr>
<td>4</td>
<td>Pass Course with Zero Credit</td>
</tr>
<tr>
<td>8</td>
<td>Class Rank Greater Than Class Size</td>
</tr>
<tr>
<td>16</td>
<td>Out of Range PSAT, SAT, or ACT Score</td>
</tr>
<tr>
<td>32</td>
<td>Out of Range Grade Level</td>
</tr>
<tr>
<td>64</td>
<td>Out of Range Course Title</td>
</tr>
<tr>
<td>128</td>
<td>Out of Range Letter Grade</td>
</tr>
<tr>
<td>256</td>
<td>More than Eight Credits in Any One Grade Level or More Than Twenty-Eight Credits Across the Transcript Record</td>
</tr>
</tbody>
</table>

For example, a value of '149' for this variable indicates for a given respondent at least one of each of the following problems occurred:
<table>
<thead>
<tr>
<th>Score</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>128</td>
<td>One or more out of range letter grades</td>
</tr>
<tr>
<td>+16</td>
<td>One or more out of range PSAT, SAT, or ACT</td>
</tr>
<tr>
<td>+4</td>
<td>Passed one or more courses with zero credit</td>
</tr>
<tr>
<td>+1</td>
<td>Failed one or more courses with credit greater than zero</td>
</tr>
</tbody>
</table>

149
### E. TRANSCRIPT CODING SHEET

**STUDENT LABEL GOES HERE**  

**DAYS ABSENT:**  
- YR 1:  
- YR 2:  
- YR 3:  
- YR 4:  

**RANK IN CLASS:**  
- OF:  
- DATE:  
- REASON:  

**PSAT**  

**SAT**  

**ACT**  

<table>
<thead>
<tr>
<th>YEAR</th>
<th>COURSE</th>
<th>SEM</th>
<th>TRI</th>
<th>QUARTER</th>
<th>F</th>
<th>CREDIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BEGIN DK 02</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10-28/</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30-48/</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50-68/</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BEGIN DK 03</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10-28/</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30-48/</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50-68/</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BEGIN DK 04</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10-28/</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30-48/</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50-68/</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BEGIN DK 05</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10-28/</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30-48/</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50-68/</td>
</tr>
<tr>
<td>17</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BEGIN DK 07</td>
</tr>
<tr>
<td>18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10-28/</td>
</tr>
<tr>
<td>19</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30-48/</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50-68/</td>
</tr>
<tr>
<td>21</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BEGIN DK 08</td>
</tr>
<tr>
<td>22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10-28/</td>
</tr>
</tbody>
</table>
F. NATIONAL LONGITUDINAL STUDY OF LABOR FORCE BEHAVIOR
YOUTH SCHOOL SURVEY: SCHOOL QUESTIONNAIRE

This study is authorized by the Comprehensive Employment and Training Act, as amended, PL 95-524. All information that would permit identification of individual schools will be held in strict confidence, will be used only for the purposes of this study, and will not be disclosed or released for any other purpose without prior consent, except as required by law. All information will be protected by the Privacy Act of 1974.

School #: ___________________________ School Name: ___________________________

Filled out by ___________________________ (Name and Title): ___________________________ Date: __________

Please respond to every question, providing the best information available to you or your best estimate. When filling in percentages please use whole numbers only.

1. As of October 1, 1979 (or the nearest date for which data on the current academic year are available), what was the total enrollment of your school?

ENTER NUMBER: ___________________________

2. A. With regard to the grading system used in your school, what is the lowest passing grade and the highest possible grade?

ENTER LOWEST PASSING GRADE: ___________________________

ENTER HIGHEST POSSIBLE GRADE: ___________________________

B. Which of the following best describes the grading system used in your school? (CIRCLE ONE)

Letter grade, D through A+ with signs............ 01
Letter grade, F through A, no signs ............... 02
Letter grade, F through A+, with signs .......... 03
Percentage grade, 0 through 100 .................. 04
Percentage grade, 50 through 100 ............... 05
Percentage grade, 70 through 100 ............... 06
Grade point average, 0 through 4 .............. 07
Grade point average, 1 through 4 .............. 08
Other (PLEASE DESCRIBE) ...................... 09

3. What is the approximate number of catalogued volumes in the school library? (ENTER "0" IF YOUR SCHOOL HAS NO LIBRARY)

ENTER NUMBER OF VOLUMES: ___________________________

4. Can a student in your school take a program in any of the following vocational or technical areas? (CIRCLE ONE NUMBER ON EACH LINE)

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1)</td>
<td>0</td>
</tr>
<tr>
<td>2)</td>
<td>0</td>
</tr>
<tr>
<td>3)</td>
<td>0</td>
</tr>
<tr>
<td>4)</td>
<td>0</td>
</tr>
<tr>
<td>5)</td>
<td>0</td>
</tr>
<tr>
<td>6)</td>
<td>0</td>
</tr>
<tr>
<td>7)</td>
<td>0</td>
</tr>
</tbody>
</table>

1) Agricultural occupations ......... 1 0
2) Business or office occupations .. 1 0
3) Distributive education .......... 1 0
4) Health occupations .............. 1 0
5) Home economics occupations ... 1 0
6) Trade or industrial occupations . 1 0
7) Technical occupations .......... 1 0

18/ 19/ 20/ 21/ 22/ 23/ 24/
Now we'd like to get some test score information on aptitude tests (such as the California Test of Mental Maturity), which measure mental ability or intelligence, not achievement tests, which measure a student's mastery of specific subject areas, such as math or English.

4. For each of the following tests, please indicate the total score and national percentile for this person, as well as the date on which the test was administered and the student's grade at that time, if available. (If the same test was administered more than once, please record the earliest score and date of administration for that test.) If there are no recorded test scores for any of the tests listed below, please fill in the name, test scores, date, and grade for any other aptitude or intelligence tests the student has taken, recording the earliest administration of any test taken more than once.

<table>
<thead>
<tr>
<th>Test</th>
<th>Total Score</th>
<th>Grade National Percentile</th>
<th>Month/Year</th>
<th>Level (Number)</th>
</tr>
</thead>
<tbody>
<tr>
<td>California Test of Mental Maturity (CTMM)</td>
<td>26-28/</td>
<td>29-30/</td>
<td>31-34/</td>
<td>35-36/</td>
</tr>
<tr>
<td>Otis-Lennon (Otis Quick Scoring Mental Ability)</td>
<td>37-39/</td>
<td>40-41/</td>
<td>42-45/</td>
<td>46-47/</td>
</tr>
<tr>
<td>Lorge-Thorndike Intelligence Test</td>
<td>48-50/</td>
<td>51-52/</td>
<td>53-56/</td>
<td>57-58/</td>
</tr>
<tr>
<td>Henmon-Nelson Test of Mental Maturity</td>
<td>59-61/</td>
<td>62-63/</td>
<td>64-67/</td>
<td>68-69/</td>
</tr>
<tr>
<td>Kuhlman-Anderson Intelligence Test (K-A)</td>
<td>70-72/</td>
<td>73-74/</td>
<td>75-78/</td>
<td>79-80/</td>
</tr>
<tr>
<td>Differential Attitude Test (DAT)</td>
<td>14-16/</td>
<td>17-18/</td>
<td>19-22/</td>
<td>23-24/</td>
</tr>
<tr>
<td>Cooperative School and College Ability Test (SCAT)</td>
<td>25-27/</td>
<td>28-29/</td>
<td>30-33/</td>
<td>34-35/</td>
</tr>
<tr>
<td>Stanford-Binet Intelligence Scale</td>
<td>36-38/</td>
<td>39-40/</td>
<td>41-44/</td>
<td>45-46/</td>
</tr>
<tr>
<td>Weschler Intelligence Scale for Children</td>
<td>47-49/</td>
<td>50-51/</td>
<td>52-55/</td>
<td>56-57/</td>
</tr>
</tbody>
</table>

Other intelligence or aptitude tests (PLEASE SPECIFY):

1) 58-60/ 61-62/ 63-66/ 67-68/

2) 69-71/ 72-73/ 74-77/ 78-79/

Thank you for responding to this questionnaire.
5. About what percentage of the students in your school are classified as disadvantaged according to ESEA guidelines? (IF YOUR SCHOOL USES OTHER GUIDELINES, PLEASE RESPOND WITH THE PERCENTAGE ACCORDING TO THAT SYSTEM?)

ENTER PERCENTAGE: 

6. What is the approximate average daily percentage attendance in your school?

ENTER PERCENTAGE: 

7. Please estimate the approximate percentage of students who enter the 10th grade but drop out before graduation.

ENTER PERCENTAGE: 

School has no 10th grade ..... 99

8. Approximately what percentages of current students and faculty are members of the following groups? (IF NONE, WRITE "0")

<table>
<thead>
<tr>
<th>Students</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Indian or Alaskan Native......</td>
<td>%</td>
</tr>
<tr>
<td>Asian or Pacific Islander (Includes: Hawaiian, Chinese, Japanese, Filipino, Korean, Vietnamese, Asian Indian, or other Asian)</td>
<td>%</td>
</tr>
<tr>
<td>Hispanic (of Mexican, Puerto Rican, Cuban, or other Spanish-speaking background)</td>
<td>%</td>
</tr>
<tr>
<td>Black, not of Hispanic origin</td>
<td>%</td>
</tr>
<tr>
<td>White, not of Hispanic origin</td>
<td>%</td>
</tr>
</tbody>
</table>

(EACH COLUMN SHOULD TOTAL 100%)  

9. About what percentages of the students and professional (teaching and nonteaching) staff are female?

ENTER PERCENTAGE OF FEMALE STUDENTS: %
ENTER PERCENTAGE OF FEMALE STAFF: %

10. Please indicate the number of full-time (or full-time equivalent) personnel at your school in the following two categories:

ENTER NUMBER OF COUNSELORS: 
ENTER NUMBER OF CLASSROOM TEACHERS: 

11. About what percentage of full-time teachers have master's or doctor's degrees?

ENTER PERCENTAGE: 

12. What percentage of full-time teachers in this school at the end of the 1978-79 school year have since left for reasons other than death or retirement?

ENTER PERCENTAGE: 

13. In your school, what is the first step on an annual salary contract schedule for a beginning certified teacher with a bachelor's degree?

ENTER DOLLAR AMOUNT: 

Thank you very much for taking the time to respond.
NATIONAL LONGITUDINAL STUDY OF LABOR FORCE BEHAVIOR
YOUTH SCHOOL SURVEY: STUDENT'S SCHOOL RECORD INFORMATION

This study is authorized by the Comprehensive Employment and Training Act, as amended, P.L. 95-524. All information that would permit identification of individual schools will be held in strict confidence, will be used only for the purposes of this study, and will not be disclosed or released for any other purpose without prior consent, except as required by law. All information will be protected by the Privacy Act of 1974.

School #: ____________________ School Name: ____________________________

Student #: ____________________ Student Name: ____________________________

Filled out by: ____________________ Date: ________________
(Name and Title): ____________________

1. Is the student named above currently enrolled in your school? (CIRCLE ONE)
Yes ........................................ 1 (GO TO Q.2)
No ............................................. 0 (ANSWER A & B)

A. IF STUDENT NOT ENROLLED: When did the student last attend your school? (USE NUMBERS FOR MONTH AND YEAR)
ENTER MONTH & YEAR: __________ / __________.

B. IF STUDENT NOT ENROLLED: Why did the student leave? (CIRCLE ONE)
Graduated ......................................... 1
Transferred ....................................... 2
Expelled .......................................... 3
Student elected to drop out ....... 4
Other (PLEASE SPECIFY) ................... 5
Don't know ....................................... 8

2. What is the highest grade this student attended in your school? (FOR THOSE CURRENTLY ENROLLED, USE PRESENT GRADE. USE A NUMBER FOR YOUR ANSWER—E.G., JUNIOR = 11.)
ENTER GRADE NUMBER: ____________

3. Did this student participate in any of the following programs while attending your school? (CIRCLE ONE NUMBER FOR EACH PROGRAM)

<table>
<thead>
<tr>
<th>Program</th>
<th>Yes</th>
<th>No</th>
<th>Program Not Offered</th>
<th>Don't Know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remedial English</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>Remedial Mathematics</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>English as a Second Language (ESL)</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>Bilingual Education</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>8</td>
</tr>
</tbody>
</table>

OVER PLEASE
Now we'd like to get some test score information on **aptitude tests** (such as the California Test of Mental Maturity), which measure mental ability or intelligence, not achievement tests, which measure a student's mastery of specific subject areas, such as math or English.

4. For each of the following tests, please indicate the total score and national percentile for this person, as well as the date on which the test was administered and the student's grade at that time, if available. (If the same test was administered more than once, please record the earliest score and date of administration for that test.) If there are no recorded test scores for any of the tests listed below, please fill in the name, test scores, date, and grade for any other aptitude or intelligence tests the student has taken, recording the **earliest administration of any test taken more than once**.

<table>
<thead>
<tr>
<th>Test Description</th>
<th>Total Score</th>
<th>Grade National Percentile</th>
<th>Month Year</th>
<th>Level (Number)</th>
</tr>
</thead>
<tbody>
<tr>
<td>California Test of Mental Maturity (CTMM)</td>
<td>26-28/29-30/31-34/35-36/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Otis-Lennon (Otis Quick Scoring Mental Ability Test)</td>
<td>37-39/40-41/42-45/46-47/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Large-Thorndike Intelligence Test</td>
<td>48-50/51-52/53-56/57-58/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Henmon-Nelson Test of Mental Maturity</td>
<td>59-61/62-63/64-67/68-69/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Kuhlman-Anderson Intelligence Test (K-A)</td>
<td>70-72/73-74/75-78/79-80/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Differential Attitude Test (DAT)</td>
<td>14-16/17-18/19-22/23-24/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Cooperative School and College Ability Test (SCAT)</td>
<td>25-27/28-29/30-33/34-35/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Stanford-Binet Intelligence Scale</td>
<td>36-38/39-40/41-44/45-46/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Weschler Intelligence Scale for Children</td>
<td>47-49/50-51/52-55/56-57/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Other intelligence or aptitude tests (PLEASE SPECIFY):</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1)</td>
<td>58-60/61-62/63-66/67-68/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>2)</td>
<td>69-71/72-73/74-77/78-79/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
</tbody>
</table>

Thank you for responding to this questionnaire.
## G. HIGH SCHOOL COURSES

<table>
<thead>
<tr>
<th>Code</th>
<th>Department</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Agriculture</td>
<td>General Agriculture, Farm Machinery, Horticulture</td>
</tr>
<tr>
<td>02</td>
<td>Art</td>
<td>Art &amp; Studio Art, Art History &amp; Appreciation, Crafts, Design, Design, Special Topics, Other Art</td>
</tr>
<tr>
<td>03</td>
<td>Business</td>
<td>Clerical, Business, Business, Special Topics</td>
</tr>
<tr>
<td>04</td>
<td>Distributive Education</td>
<td>Distributive Education, Special Topics</td>
</tr>
<tr>
<td>05</td>
<td>Language Arts</td>
<td>English, English, Special Topics, Reading, Reading &amp; Literature, Reading &amp; Literature, Special Topics, Writing, Speaking, Dramatics, Other Topics</td>
</tr>
<tr>
<td>06</td>
<td>Foreign Languages</td>
<td>French, German, Greek, Hebrew, Italian, Latin, Russian, Spanish, Other Languages</td>
</tr>
<tr>
<td>07</td>
<td>Health Occupations Education</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>Health &amp; Physical Education</td>
<td></td>
</tr>
<tr>
<td>09</td>
<td>Home Economics</td>
<td>Home Economics, Food &amp; Nutrition, Home Management, Sewing, Personal Living</td>
</tr>
<tr>
<td>10</td>
<td>Industrial Arts</td>
<td>Industrial Arts, Drawing, Printing, Shop &amp; Mechanics, Wood Crafts</td>
</tr>
<tr>
<td>11</td>
<td>Mathematics</td>
<td>Arithmetic, Mathematics, Mathematics, Special Groups, Algebra, Geometry, Trigonometry, Calculus, Special Topics</td>
</tr>
<tr>
<td>12</td>
<td>Music</td>
<td>General Music &amp; Music Appreciation, Music History &amp; Harmony, Instrumental, Vocal</td>
</tr>
<tr>
<td>13</td>
<td>Natural Sciences</td>
<td>Science, Science, Vocational Training, Biology, Biology, Special Topics, Chemistry, Chemistry, Special Topics, Physics, Physics, Special Topics, Environmental Studies &amp; Environmental Science, Special Topics</td>
</tr>
<tr>
<td>14</td>
<td>Office Occupations Education</td>
<td>Accounting &amp; Bookkeeping, Computers, Machines, Typewriting, Transcription, Other Clerical</td>
</tr>
<tr>
<td>15</td>
<td>Social Studies</td>
<td>Economics, Geography, Political Science, American History &amp; American Area Studies, American History and American Area Studies, American Political Science, Special Topics</td>
</tr>
</tbody>
</table>
HIGH SCHOOL COURSES (continued)

16 TECHNICAL AND TECHNOLOGICAL EDUCATION

17 VOCATIONAL: TRADES & INDUSTRIES
   Mechanics & Repair
   Service Workers
   Crafts & Trades
   COOP Specified
   Other Occupations

21 SAFETY & DRIVER EDUCATION

22 JUNIOR ROTC

23 PHILOSOPHY & RELIGION
   Study of Religion
   Doctrinal Courses, General
   Religion, Special Topics

28 STUDY SKILLS

30 CAREER PLANNING & EDUCATION
   Specific Career Education
   General Vocational Preparation
   Work Experience
H. NUMERIC LISTING OF COURSE CODES
01 AGRICULTURE

GENERAL AGRICULTURE

0101 AGRICULTURE/AGRICULTURE SCIENCE
0102 AGRICULTURE I/VOCATIONAL AGRICULTURE I
0103 AGRICULTURE II/VOCATIONAL AGRICULTURE II
0104 AGRICULTURE III/VOCATIONAL AGRICULTURE III/ANIMAL CARE
0105 AGRICULTURE IV/VOCATIONAL AGRICULTURE IV
0106 AGRICULTURE, ADVANCED
0107 AGRICULTURE, LEADERSHIP
0108 AGRICULTURE, MANAGEMENT
0109 AGRICULTURE PRODUCTION
0110 AGRICULTURE SUPPLIES
0111 AGRIBUSINESS
0112 AGRIBUSINESS I
0113 AGRIBUSINESS II
0114 AGRICULTURE HUSBANDRY/ANIMAL SCIENCE
0115 SOILS AND CROPS
0120 AG—OJT/AG JOB

FARM MACHINERY

0125 FARM MECHANICS/AGRICULTURE MECHANICS & CONSTRUCTION
0126 FARM SHOP/AGRICULTURE SHOP/AGRICULTURE WORKSHOP
0127 FARM SHOP I
0128 FARM SHOP II

HORTICULTURE

0151 CONSERVATION/RESOURCES
0152 FORESTRY
0153 FLORICULTURE/GREENHOUSE
0154 HORTICULTURE/ORNAMENTAL HORTICULTURE/HORTICULTURE T & I
0155 LANDSCAPING/LANDS & GARDEN/PARKS & GARDEN MAINTENANCE

0199 AGRICULTURE, N.E.C
ART

ART/STUDIO ART

0201 ART/ART I
0202 ART II
0203 ART III/ART IV/ART, ADVANCED
0204 DRAWING/DRAWING LAB/PAINTING/CARTOON DRAWING
0205 DRAWING I/PAINTING I
0206 DRAWING II/PAINTING II
0207 DRAWING III/PAINTING III/DRAWING IV/PAINTING IV
0208 OILS & WATERCOLORS
0209 PAINTING & SCULPTURE
0210 SCULPTURE
0211 ART PORTFOLIO
0212 PRINTMAKING (ART)/LITHOGRAPHY/SILKSCREENING/WOODBLOCK

ART HISTORY & APPRECIATION

0220 ART APPRECIATION/ART HISTORY/ART SURVEY
0221 EXPLORING ART & MUSIC/ART & MUSIC APPRECIATION
0222 ARCHITECTURE

CRAFTS

0230 ARTS & CRAFTS/HANDICRAFTS/THEATER CRAFTS (NON-PERFORMING)/CRAFTS PROCESSES
COMBINATION OF CRAFTS/CRAFTS
0231 ARTS & CRAFTS I
0232 ARTS & CRAFTS II
0233 ARTS & CRAFTS III/ARTS & CRAFTS IV
0235 CERAMICS/POTTERY/CLAY
0236 CERAMICS I
0237 CERAMICS II
0238 CERAMICS III/CERAMICS IV
0239 JEWELRY & METALWORK/SILVER/ROCKS & MINERALS/LAPIDARY
0240 JEWELRY & METALWORK I
0241 JEWELRY & METALWORK II
0242 JEWELRY & METALWORK III/JEWELRY & METALWORK IV
0243 LEATHERCRAFT
0244 TEXTILES/FIBERS
0245 WEAVING/MACRAME
DESIGN

0260 DESIGN & CRAFT/DESIGN/DESIGN CONCEPTS
0261 DESIGN & CRAFT I
0262 DESIGN & CRAFT II/ADVANCED DESIGN
0263 DESIGN & CRAFT III/DESIGN & CRAFT IV
0264 LETTERING
0265 POSTER & DISPLAY

DESIGN, SPECIAL TOPICS

0270 2-DIMENSIONAL DESIGN/3-DIMENSIONAL DESIGN/DESIGN, CREATIVE/DESIGN, COSTUME
• DESIGN, FASHION/INDIAN ARTS

OTHER ART

0271 PHOTOGRAPHY/PHOTO DESIGN
0272 FILMMAKING/FILM WORKSHOP
0273 THEATER WORKSHOP, BASIC OR ADVANCED (CODE 0575 UNLESS ART SPECIFIED)
• STAGECRAFT
0274 ART HISTORY IN CINEMA
0275 EARLY AMERICAN ANTIQUES

0299 ARTS, N.E.C.
03 BUSINESS

CLERICAL

0301 TYPEWRITING, PERSONAL/TYPWRITING, COLLEGE PREP.
0302 SPEEDWRITING/NOTEHAND/BRIEFHAND

BUSINESS

0310 BUSINESS/GENERAL BUSINESS/BUSINESS ORIENTATION/BUSINESS SURVEY/BUSINESS I
0311 BUSINESS LAW/CONTRACT LAW
0312 BUSINESS II/BUSINESS, ADVANCED
0313 BUSINESS FINANCE/BANKING & FINANCE/INVESTMENT/BUSINESS ECONOMICS
   STOCKS & BONDS/TAXES & INSURANCE/TAXES & CONSUMER/COMMERCE

BUSINESS, SPECIAL TOPICS

0350 BUSINESS, ORGANIZATION & MGMT./BUSINESS, PROBLEMS IN
   BUSINESS ORIGINS/PUBLIC RELATIONS

0399 BUSINESS, N.E.C.
04 DISTRIBUTIVE EDUCATION (ON THE JOB TRAINING FOR MARKETING & DISTRIBUTION BUSINESSES)

0401 DISTRIBUTIVE ED/DISTRIBUTION
0402 ADVERTISING/SALES PROMO
0403 GENERAL MERCHANDISE/ MERCHANDISING/ RETAILING/ STOREWORK/ SELLING SALESMANSHIP
0404 MARKETING/JUNIOR MARKETING/ADVANCED MARKETING
0405 DISTRIBUTIVE COOP EDUCATION/MARKETING COOP

DISTRIBUTIVE EDUCATION, SPECIAL TOPICS

0450 APPAREL & ACCESSORIES/ AUTOMOTIVE/ FLORISTRY/ FOOD DISTRIBUTION/ HARDWARE BUILDING MATERIALS/HOME FURNISHINGS/HOTEL & LODGING/INDUSTRIAL MARKETING REAL ESTATE/RECREATION & TOURISM/TRANSPORTATION/SERVICE STATION

0499 DISTRIBUTIVE EDUCATION, N.E.C.
05 LANGUAGE ARTS

ENGLISH

0501 ENGLISH/LANGUAGE ARTS/ENGLISH BASIC SKILLS
0503 ENGLISH I/ENGLISH 9/LANGUAGE ARTS I
-0504 ENGLISH II/ENGLISH 10
0505 ENGLISH III/ENGLISH 11
0506 ENGLISH IV/ENGLISH 12
0507 ENGLISH CEEB A.P./ENGLISH, COLLEGE PREP./COLLEGE LITERATURE
0508 ENGLISH GRAMMAR & USAGE/LOGIC IN LANGUAGE/PUNCTUATION POWER
   GRAMMAR & COMPOSITION
0509 ENGLISH, INDEPENDENT STUDY/ENGLISH SEMINAR
0510 ENGLISH, REMEDIAL/ENGLISH MAKE UP
   ENGLISH REVIEW/PRACTICAL ENGLISH/LANGUAGE SKILLS
0511 BUSINESS ENGLISH/BUSINESS CORRESPONDENCE/COMMUNICATION SKILLS IN BUSINESS
   BUSINESS LANGUAGE
0512 ENGLISH, OCCUPATIONAL/ENGLISH VOCATIONAL/MEDICAL VOCABULARY
   (ALWAYS USE THIS CATEGORY FOR ENGLISH COURSES TAKEN IN VOC. CENTERS.)

ENGLISH, SPECIAL TOPICS

0520 WORD STUDY/SEMANTICS/VOCABULARY MEANING/SPELLING/ETYMOLOGY
   PERSUASION/RHETORIC
READING

0525 READING, BASIC/READING, GENERAL/BOOK SKILLS/ READING, EFFECTIVE READING SKILLS
0526 READING, DEVELOPMENTAL/READING, DEVELOPMENTAL I/READING, DEVELOPMENTAL II READING, DEVELOPMENTAL III/READING DEVELOPMENTAL IV
0527 READING, SPEED
0528 READING TECHNIQUES/READING IMPROVEMENT/READING LAB/READING, REMEDIAL READING WORKSHOP/READING, CORRECTIVE
0529 READING, INDIVIDUAL/READING, DIRECTED STUDIES/READING, ADVANCED

READING & LITERATURE

0535 LITERATURE N.S.
0536 LITERATURE, CONTEMPORARY/LIT., 20TH CENTURY/LIT. MODERN/EXISTENTIAL LIT.
0537 NOVEL / SHORT STORY
0538 POETRY/MODERN POETRY/FRENCH POETRY/POETIC IMAG.
0539 DRAMA/DRAMA, AMERICAN/DRAMA, BRITISH/TRAGEDIES/SHAKESPEARE
0540 LITERATURE, AMERICAN/AMERICAN MYSTICS/PURITAN ETHICS/AMERICAN HUMOR AMERICAN LITERATURE OF 1800/AMERICAN LIT. & MYTHOLOGY/AMERICAN REALISM AMERICAN NOVEL/AMERICAN SHORT STORY
0541 BIOGRAPHY & AUTOBIOGRAPHY
0542 LITERATURE, WORLD/THEMES-WORLD LIT./EAST AND WEST LIT./LIT., EUROPEAN LITERATURE, ENGLISH/IRISH-BRITISH MYTH
0543 LITERATURE, REGIONAL/LITERATURE, SOUTHWEST/NEBRASKA WRITERS

READING & LITERATURE, SPECIAL TOPICS

WRITING

0555 COMPOSITION/WRITING/COMPOSITION I/PARAGRAPH
0556 COMPOSITION II/COMPOSITION, ADVANCED/EXPOSITORY WRITING
   APPLIED COMPOSITION/WRITING IMPROVEMENT/WRITING CLINIC/PROF TECH WRITING
0557 CREATIVE WRITING/CREATIVE WRITING I/CREATIVE WRITING II
   CREATIVE WRITING & READING/CREATIVE POETRY
0558 ANNUAL/YEARBOOK/SCHOOL NEWSPAPER
0559 JOURNALISM/JOURNALISM I/NEWSWRITING I/PUBLICATIONS I
0560 JOURNALISM II/JOURNALISM III/JOURNALISM IV/NEWSWRITING II/NEWSWRITING III
   PUBLICATIONS II/PUBLICATIONS III

SPEAKING

0565 ORAL COMMUNICATION SKILLS/LISTENING & SPEAKING
   GROUP DISCUSSION/STORYTELLING/STORY TO TELL
0566 DEBATE/ARGUMENTATION/DEBATE I
0567 DEBATE II/DEBATE III/DEBATE IV
0568 PUBLIC SPEAKING/SPEECH/PUBLIC SPEAKING I/SPEECH I
0569 PUBLIC SPEAKING II/SPEECH II/PUBLIC SPEAKING III/SPEECH III
   PUBLIC SPEAKING IV/SPEECH IV
0570 SPEECH, RADIO
0571 SPEECH, CORRECTIVE THERAPY
0572 SPEECH LAB ***(CODE 0571 OR 0569 IF SPECIFIED IN CATALOG)
0573 SPEECH & DRAMA/SPEECH & DRAMA, ADVANCED

DRAMATICS

0575 DRAMA I/DRAMATICS/THEATER/PLAY PARTICIPATION/ACTING
   ACTING ARTS/PLAY PRODUCTION/CREATIVE DRAMATICS/DRAMA (UNLESS LIT SPECIFIED)
0576 DRAMA II
0577 DRAMA III/DRAMA IV/DRAMA, ADVANCED

OTHER TOPICS

0580 HUMANITIES
0581 LINGUISTICS/LANGUAGE OF MAN
0582 MASS MEDIA/MEDIA ANALYSIS/VISUAL SPECTRUM I/RADIO (IF LANGUAGE
   ARTS)/TELEVISION (IF LANGUAGE ARTS)/FILM STUDY

0599 LANGUAGE ARTS N.E.C./ENG./VAULT/LANG. TECH./LANG. THE ACT/AD. LAN.
   ENG. REP./AM. RD/colonial area/variety/1 MILLI. MORE/TH REAL LIFE
   EYES OF CHILD/VALUES/ENG. CAR./LIT. TYPE
06 FOREIGN LANGUAGES

FRENCH

0601 FRENCH/FRENCH I/FRENCH, INTRODUCTORY/FRENCH, CONVERSATIONAL
0602 FRENCH II
0603 FRENCH III/FRENCH IV/FRENCH V/FRENCH A.P.
0609 FRENCH N.E.C.

GERMAN

0610 GERMAN/GERMAN I/GERMAN, CONVERSATIONAL
0611 GERMAN II
0612 GERMAN III/GERMAN IV/GERMAN V/GERMAN A.P.
0619 GERMAN N.E.C.

GREEK

0620 GREEK/GREEK I/GREEK, CONVERSATIONAL
0621 GREEK II/GREEK III/GREEK IV
0629 GREEK, N.E.C.

HEBREW

0630 HEBREW/HEBREW I/HEBREW, CONVERSATIONAL
0631 HEBREW II/HEBREW III/HEBREW IV/HEBREW V/HEBREW, A.P.
0639 HEBREW, N.E.C.

ITALIAN

0640 ITALIAN/ITALIAN I/ITALIAN, CONVERSATIONAL
0641 ITALIAN II/ITALIAN III/ITALIAN IV/ITALIAN V/ITALIAN A.P.
0649 ITALIAN, N.E.C.
LATIN
0650 LATIN/LATIN I
0651 LATIN II/LATIN III/LATIN IV/LATIN V/LATIN A.P./LATIN, ENGLISH ROOTS
0659 LATIN, N.E.C.

RUSSIAN
0660 RUSSIAN/RUSSIAN I/ RUSSIAN, CONVERSATIONAL
0661 RUSSIAN II/ RUSSIAN III/ RUSSIAN IV/ RUSSIAN V/ RUSSIAN A.P.
0669 RUSSIAN, N.E.C.

SPANISH
0671 SPANISH/ SPANISH I/ SPANISH, ELEMENTARY/ SPANISH, CONVERSATIONAL
0672 SPANISH II/ INTERMEDIATE SPANISH
0673 SPANISH III/ SPANISH IV/ SPANISH V/ SPANISH A.P.
0674 BILINGUAL SPANISH
0679 SPANISH, N.E.C.

OTHER LANGUAGES
0681 CHINESE, ALL LEVELS
0682 ENGLISH (FOR SPEAKERS OF OTHER LANGUAGES, ESL, ESOL)
0683 JAPANESE, ALL LEVELS
0684 PORTUGUESE, ALL LEVELS
0685 FINNISH

0698 FOREIGN LANGUAGES EXPLORATION

0699 FOREIGN LANGUAGES, N.E.C.
07 HEALTH OCCUPATIONS EDUCATION

0701 DENTAL ASSISTANT
0702 DENTAL HYGIENIST/DENTAL HEALTH SCIENCE
0703 HEALTH AIDE (EXCL. NURSING)
0704 INHALATION THERAPY TECHNICIAN
0705 MEDICAL ASSISTANT
0706 MEDICAL LAB ASSISTANT
0707 MEDICAL EMERGENCY TECHNICIAN
0708 MENTAL HEALTH TECHNOLOGIST
0709 NURSING ASSISTANT/NURSING AIDE
0710 NURSE, PRACTICAL/NURSE, VOCATIONAL
0711 NURSE, REGISTERED
0712 PRE-NURSING
0713 RADIOLOGIC TECHNOLOGIST
0714 PARAMEDICINE

0790 HEALTH OCCUPATIONS/MEDICAL ARTS
0795 HEALTH OCCUPATIONS COOP

0799 HEALTH OCCUPATIONS EDUCATION, N.E.C.

08 HEALTH & PHYSICAL EDUCATION

0801 HEALTH/ALCOHOL EDUCATION/FIRST AID/HEALTH & SAFETY/SUBSTANCE ABUSE/DRUGS/SEX EDUCATION
0802 PHYSICAL EDUCATION/***(ALL SPECIFIC PHYSICAL EDUCATION COURSES ARE CODED HERE.)***
0803 CHEERLEADING/JAJOYETTES/SQNSLEADING/PEP SQUAD/COLOR GUARD
0804 P.E. & HEALTH/HEALTH & P.E.

0899 P.E. & HEALTH, N.E.C.
HOME ECONOMICS *** (MANY OF THE H.E. COURSES CAN BE EITHER FOR CONSUMER AND HOMEMAKING PURPOSES OR OCCUPATIONAL. IF AN H.E. COURSE SPECIFIES "VOCATIONAL" A VOCATIONAL COURSE MUST BE CREATED. FLAG; CONSULT SUPERVISOR). ***

HOME ECONOMICS

0901 HOME ECONOMICS/HOMEMAKING
0902 HOME ECONOMICS I/HOMEMAKING I
0903 HOME ECONOMICS II/HOMEMAKING II
0904 HOME ECONOMICS III/HOMEMAKING III
0905 HOME ECONOMICS IV/HOMEMAKING IV
0906 VOCATIONAL HOME ECONOMICS/HOME ECONOMICS, ADVANCED
0907 HOME ECONOMICS COOPERATIVE EDUCATION
      HERO—HOME ECONOMICS RELATED OCCUPATIONS/HOME ECONOMICS COOP

FOOD & NUTRITION

0920 COOKING / BAKING/CULINARY SKILLS
0921 FOODS/FOODS I/FOODS AND YOU/FOODS & NUTRITION
0922 FOODS II
0923 FOODS III/ADVANCED FOODS
0924 FOODS IV
0925 SPECIAL FOODS/CREATIVE FOODS/INTERNATIONAL FOODS
      MAGIC OF FOODS/PARTY FOODS/CAKE DECORATING
0926 NUTRITION/NUTRITION I
0927 NUTRITION II
0928 MEAL PREPARATION/FOOD MANAGEMENT/FAMILY MEALS
0929 COMMERCIAL COOKING/COMMERCIAL BAKING/FOOD SERVICE/RESTAURANT OCCUPATIONS
0930 VOCATIONAL FOODS

HOME MANAGEMENT

0940 HOME MANAGEMENT
0941 HOSPITALITY & ENTERTAINMENT/PARTIES
0942 HOUSING & HOME FURNISHING/HOME DESIGN/INTERIOR DECORATING/HOUSING
0943 HOME IMPROVEMENT
0945 BUDGETING/PERSONAL ECONOMICS/CONSUMER ECONOMICS/CONSUMER EDUCATION
      EVERYBODY'S MONEY/PERSONAL FINANCES/MONEY AND YOU/HOME MANAGEMENT & FINANCE
      FAMILY & FINANCE/CONSUMER PROBLEMS/STUDY OF MONEY/MCMT. CONSUMER BUYING
0946 CONSUMER SCIENCE
SEWING

0960 CLOTHING/CLOTHING CONSTRUCTION/CLOTHING I
0961 CLOTHING II/INTERMEDIATE CLOTHING
0962 CLOTHING III
0963 CLOTHING IV
0964 CLOTHING MANAGEMENT
0965 CLOTHING & TEXTILES
0966 CLOTHING & TEXTILES I
0967 CLOTHING & TEXTILES II
0968 NEEDLECRAFTS/STITCHERY
0969 SEWING/SEWING I
0970 SEWING II
0971 SEWING III
0972 SEWING IV
0973 TAILORING
0974 SEWING WITH KNITS
0975 UPHOLSTERING
0976 VOC SEWING/GARMENT CONSTRUCTION/VOC TAILORING/GARMENT PATTERNMAKING
0977 TEXTILES(VOC)

PERSONAL LIVING

0980 CHILD CARE/CHILD DEVELOPMENT/CHILD STUDY/SCHOOL CHILD/PRESCHOOL CHILD
0981 CHILD GUIDANCE
0982 TRAINING FOR MARRIAGE/MARRIAGE & FAMILY/FAMILY LIVING
0983 SINGLE LIVING/BACHELOR LIVING/ADULT LIVING/ADULT ROLES/SKILLS FOR SURVIVAL
0984 MATERNAL & INFANT CARE
0985 VOC CHILD CARE

0999 HOME ECONOMICS N.E.C.
INDUSTRIAL ARTS

1001 INDUSTRIAL ARTS/SHOP, GENERAL/INDUSTRIAL CRAFTS
1002 INDUSTRIAL ARTS I/SHOP I
1003 INDUSTRIAL ARTS II/SHOP II
1004 INDUSTRIAL ARTS III/ADVANCED SHOP/SHOP III
1005 INDUSTRIAL ARTS IV/SHOP IV

*** COURSES MARKED WITH ASTERISKS CAN BE EITHER I.A. OR T & I.
CODE T & I IF IT IS SPECIFIED TO BE A COOP COURSE OR IF THE
SAME TYPE OF COURSE EARN 2.5 CREDITS OR MORE.

DRAWING ***

1010 DRAWING/DRAFTING/DRAWING I/DRAFTING I ***
1011 DRAWING II/DRAFTING II ***
1012 DRAWING III/DRAFTING III ***
1013 DRAWING IV/DRAFTING IV ***
1014 ARCHITECTURAL DRAFTING ***
1015 INDUSTRIAL DRAWING/MACHINE DRAWING/MECHANICAL DRAWING/TECHNICAL DRAWING **
1016 INDUSTRIAL DRAWING I/MACHINE DRAWING I/MECH. DRAWING I
TECH. DRAWING I ***
1017 INDUSTRIAL DRAWING II/MACHINE DRAWING II/MECH. DRAWING II
TECH. DRAWING II ***
1018 INDUSTRIAL DRAWING III/MACHINE DRAWING III/MECH. DRAWING III
TECH. DRAWING III ***
1019 INDUSTRIAL DRAWING IV/MACHINE DRAWING IV/MECH. DRAWING IV/TECH. DRAW IV **
1020 MECHANICAL DRAWING, A.P. ***

PRINTING

1030 PRINTING I ***
1031 PRINTING II ***
1032 PHOTOLITHOGRAPHY ***
1033 GRAPHIC ARTS***/GRAPHIC COMMUNICATIONS
SHOP/MECHANICS

1040 AUTO SHOP I ***
1041 AUTO SHOP II ***
1042 AUTO SHOP III/ADVANCED AUTO SHOP ***
1043 AUTO SHOP IV ***
1044 ELECTRIC SHOP/ELECTRICITY ***
1045 ELECTRICITY I ***
1046 ELECTRICITY II ***
1047 ELECTRICITY III ***
1048 ELECTRICITY IV ***
1049 ELECTRONICS I ***
1050 ELECTRONICS II ***
1051 ELECTRONICS III ***
1052 ELECTRONICS IV ***
1053 HOME MECHANICS/HOME REPAIR
1054 HOME MECHANICS I
1055 HOME MECHANICS III
1056 HOME MECHANICS IV
1057 MACHINE SHOP ***
1058 MACHINE SHOP I ***
1059 MACHINE SHOP II ***
1060 MACHINE SHOP III ***
1061 MACHINE SHOP IV ***
1062 METAL SHOP
1063 METAL SHOP I
1064 METAL SHOP II
1065 METAL SHOP III
1066 METAL SHOP IV
1067 POWER MECHANICS/BASIC MECHANICS
1068 POWER MECHANICS I
1069 POWER MECHANICS II
1070 POWER MECHANICS III
1071 POWER MECHANICS IV
1072 WORLD OF CONSTRUCTION
1073 FOUNDRY
1074 PLASTICS
1075 WORLD OF MANUFACTURING

WOOD CRAFTS

1080 WOOD CRAFTS
1081 WOODWORKING
1082 WOODS/WOODS I/WOOD SHOP
1083 WOODS II/WOODS MACHINE
1084 WOODS III/ADVANCED WOODS
1085 WOODS IV

1099 INDUSTRIAL ARTS, N.E.C./ELECT./BICYCLE REPAIR
11 MATHEMATICS

ARITHMETIC

1101 ARITHMETIC/ARITHMETIC I/ARITHMETIC, FUNDAMENTALS (LOW LEVEL)
      DECIMAL/GETTING THE POINT/PROPORTIONS/REMEDIAL MATH
1102 ARITHMETIC II/ARITHMETIC III/ARITHMETIC IV

MATHEMATICS

1110 MATHEMATICS/MATH SKILLS/SENIOR HIGH MATH/MODERN MATH/BASIC MATH
1111 MATHEMATICS I/ FRESIMAN MATH/MATHEMATICS, FUNDAMENTALS I
1112 MATHEMATICS II/INTERMEDIATE MATH/MATHEMATICS, FUNDAMENTALS II
1113 MATHEMATICS III/JUNIOR MATH/ADVANCED MATH
1114 MATHEMATICS IV/ SENIOR MATH
1115 MATHEMATICS, CEEB INTER./MATHEMATICS A.P./MATHEMATICS, COLLEGE BOARD REVIEW
      MATHEMATICS, GENERAL REVIEW
1116 MATH ANALYSIS/ELEMENTARY ANALYSIS
1117 MATH LAB ***(CODE EITHER 1101 OR 1113 IF POSSIBLE)

MATHEMATICS, SPECIAL GROUPS

1130 MATHEMATICS, APPLIED I/MATHEMATICS, FUNCTIONAL I
1131 MATHEMATICS, APPLIED II/MATHEMATICS, FUNCTIONAL II
      MATHEMATICS, FUNCTIONAL III/MATHEMATICS FUNCTIONAL IV
1132 MATHEMATICS, COMPUTER/COMPUTER PROGRAMMING ***(CODE ONLY IF MATH SPECIFIED.
      OTHERWISE, CODE UNDER OFFICE
      EDUCATION).

1133 MATHEMATICS, VOCATIONAL/MATHEMATICS,SHOP/OCCUPATIONAL MATHEMATICS
      MATH, TECHNOLOGICAL/GENERAL MATH TRADES/GENERAL MATH INDUSTRIAL
      ALGEBRA ON-THE-JOB
1134 MATH, AUTO/MATH, NURSING
1135 MATHEMATICS, BUSINESS/BUSINESS ARITHMETIC/MERCHANDISING MATH
1136 CONSUMER MATH/PRACTICAL MATH/MATH FOR EVERYDAY LIFE
1137 METRIC SYSTEM
ALGEBRA

1150 PRE-ALGEBRA/ELEMENTARY FUNCTIONS
1151 ALGEBRA/ALGEBRA I/ALGEBRA, MODERN/RATIONAL ALGEBRAIC EXPRESSIONS
1152 ALGEBRA II/ALGEBRA, INTERMEDIATE
1153 ALGEBRA III/ALGEBRA IV/ALGEBRA, ADVANCED/ALGEBRA, COLLEGE
1154 ALGEBRA, REVIEW
1155 ALGEBRA, APPLIED
1156 ALGEBRA WITH GEOMETRY AND/OR TRIGONOMETRY

GEOMETRY

1165 GEOMETRY/PLANE GEOMETRY/GEOMETRY I/GEOMETRY, INFORMAL
1166 GEOMETRY II/GEOMETRY, SOLID/GEOMETRY A.P./GEOMETRY, NON-EUCLIDIAN
1167 GEOMETRY, PLANE & SOLID/UNIFIED GEOMETRY/GEOMETRY, FUSED
    GEOMETRY, COORDINATED/GEOMETRY, APPLIED/GEOMETRY, ANALYTIC

TRIGONOMETRY

1175 TRIGONOMETRY
1176 TRIGONOMETRY, A.P.
1177 TRIGONOMETRY (AND MATH ANALYSIS/GEOMETRY)

CALCULUS

1185 CALCULUS/INTRODUCTION TO CALCULUS/CALCULUS I
1186 CALCULUS, A.P./CALCULUS II
1187 CALCULUS & ANALYTIC GEOMETRY
1188 PRE-CALCULUS

SPECIAL TOPICS

1195 GRAPHS/MATHMATICAL LOGIC/MATRIX THEORY/MATHMATICAL THEORY/STATISTICS
    STATISTICAL ANALYSIS/PROBABILITY/LIGHTER SIDE OF MATH

1199 MATHEMATICS, N.E.C.
12 MUSIC

GENERAL MUSIC & MUSIC APPRECIATION

1201 GENERAL MUSIC/MUSIC SURVEY/MUSIC I/MUSIC APPRECIATION/MUSIC, MODERN
1202 GENERAL MUSIC II/MUSIC III/MUSIC IV
1203 MUSIC, HISTORY & LITERATURE

MUSIC THEORY & HARMONY

1231 HARMONY/HARMONY I
1232 HARMONY II/HARMONY III/HARMONY IV
1233 MUSIC THEORY/MUSIC THEORY I
1234 MUSIC THEORY II/MUSIC THEORY III/MUSIC THEORY IV/MUSIC THEORY & HARMONY
   MUSIC COMPOSITION /MUSIC COUNTERPOINT

INSTRUMENTAL

1256 BAND & ORCHESTRA (ALL TYPES)
1257 INSTRUMENTAL ENSEMBLES/INSTRUMENTAL GROUPS/STRINGS/BRASS
1258 INSTRUMENTAL MUSIC/INDIVIDUAL INSTRUCTION/INDIVIDUAL TECHNIQUES

VOCAL

1286 A CAPELLA CHOIR/CHOIR/CHORUS/GLEE CLUB
1287 VOICE

1299 MUSIC, N.E.C.
NATURAL SCIENCES

SCIENCE

1301 SCIENCE, NATURAL/SCIENCE SURVEY/UNIFIED SCIENCE/SCIENCE, THEORY & PRINCIPLE SCIENCE I/SCIENCE TOPICS
1302 SCIENCE II/SCIENCE III/SCIENCE IV/SCIENCE, SPECIAL TOPICS
1303 APPLIED SCIENCE

SCIENCE, VOCATIONAL-TRAINING

1311 SCIENCE, INDUSTRIAL/SCIENCE, TRADE/SCIENCE, SHOP

BIOLOGY

1315 BIOLOGY/MODERN BIOLOGY/BIOLOGY I/BIOLOGY TSM/BIOLOGY ECCP
BSCS, GREEN VERSION/BSCS, BLUE VERSION
1316 BIOLOGY II/BIOLOGY III/BIOLOGY, ADVANCED/BIOLOGY SEMINAR/BIOLOGY LAB
BIOLOGY A.P./BIOLOGY, COLLEGE
1317 LIFE SCIENCES

BIOLOGY, SPECIAL TOPICS

1325 CELL BIOLOGY/HUMAN BIOLOGY/HUMAN SYSTEM/ANATOMY/BACTERIOLOGY/BOTANY
MICROBIOLOGY/PHYSIOLOGY/ANATOMY & PHYSIOLOGY/RADIOBIOLOGY/ZOOLOGY
VERTEBRATES & INVERTEBRATES/BOTANY, NON-VASCULAR/FISH-BIRDS/ANIMAL BEHAVIOR
MAMMALOGY/GENETICS/HEREDITY/EVOLUTIONARY GENETICS/MARINE BIOLOGY
LIFE BEFORE BIRTH/MOLECULAR BIOLOGY/MEDICAL BIOLOGY/FUN WITH PLANTS
OUTDOOR ANIMALS/HUMAN & BEAST/PLANTS PEOPLE/ALASKA MAMMALS

CHEMISTRY

1330 CHEMISTRY/DESCRIPTIVE CHEMISTRY/CHEM. STUDY/CHEMISTRY I
1331 CHEMISTRY II/CHEMISTRY LAB
1332 CHEMISTRY CEER A.P./COLLEGE CHEMISTRY/COLLEGE PREPARATORY CHEMISTRY
1333 FUN WITH CHEMISTRY/ACTION CHEMISTRY/CHEMISTRY AT HOME

CHEMISTRY, SPECIAL TOPICS

1340 CHEMISTRY, CLINICAL/CHEMISTRY, ORGANIC/CHEMISTRY, QUALITATIVE
CHEMISTRY, QUANTITATIVE/CHEMICAL BOND APPROACH/CHEMICAL SOLUTIONS/ELECTRON
PHYSICS

1350 PHYSICS/PHYSICS I/IPS PHYSICS (INTRO. PHYSICAL SCIENCE)
     HPP (HARVARD PROJECT PHYSICS)/PSSC PHYSICS/PHYSICAL SCIENCE
1351 PHYSICS II/PHYSICS LAB
1352 PHYSICS, CEEB A.P.

PHYSICS, SPECIAL TOPICS

1360 MATTER/MATTER & ENERGY/FORMS OF ENERGY/MATTER & MEASUREMENT/ KINEMATICS
     DYNAMICS/LIGHT/ELECTROMAGNETISM/NUCLEAR SCIENCE

ENVIRONMENTAL STUDIES/ENVIRONMENTAL SCIENCE

1371 ENVIRONMENTAL SCIENCE/ECOLOGY
1372 NATURAL RESOURCES
1373 WOODLAND ECOLOGY/FIELD ECOLOGY
1374 AGRICULTURAL ECOSYSTEMS
1375 CONSERVATION
1376 MAN & ENVIRONMENT/MAN HIS WORLD/HUMAN ECOLOGY
1377 POLLUTION
1378 WILDLIFE MGMT.

SPECIAL TOPICS

1380 GEOLOGY/METEOROLOGY/WINDS & WEATHER/OCEANOGRAPHY/ EARTH & SPACE SCIENCE
     AEROSPACE/EARTH SCIENCE

1399 SCIENCE, N.E.C.
OFFICE OCCUPATIONS EDUCATION

ACCOUNTING/BOOKKEEPING
1401 ACCOUNTING/ACCOUNTING FUNDAMENTALS
1402 BOOKKEEPING/BOOKKEEPING I
1403 BOOKKEEPING II
1404 ACCOUNTING PROBLEMS
1405 SPECIAL ACCOUNTING TECH.

COMPUTERS
1421 COMPUTER OPERATION
1422 COMPUTER PROGRAMMING/BASIC LANGUAGE
1423 COMPUTER SCIENCE
1424 DATA PROCESSING
1425 COMPUTORS

MACHINES
1431 CALCULATING/CALCULATING I
1432 CALCULATING II
1433 KEY PUNCHING
1434 OFFICE MACHINES/BUSINESS MACHINES/OFFICE MACHINES I
1435 OFFICE MACHINES II

TYPEWRITING
1451 TYPEWRITING/TYPWRITING I
1452 TYPEWRITING II
1453 TYPEWRITING III
1454 TYPEWRITING IV
1455 TYPEWRITING, ADVANCED/TYPEWRITING, TECHNICAL/TYPING & BUSINESS SURVEY
TRANSCRIPTION

1461 SHORTHAND/SHORTHAND I/STENOGRAPHY
1462 SHORTHAND II
1463 SHORTHAND III
1464 SHORTHAND IV
1465 TRANSCRIPTION I
1466 TRANSCRIPTION II
1467 TRANSCRIPTION III
1468 TRANSCRIPTION IV

OTHER CLERICAL

1481 FILING
1482 RECORD KEEPING
1483 OFFICE PRACTICE (CLERICAL/GENERAL/SECRETARIAL)/OFFICE OCC CLERICAL
OFFICE OCCUPATIONS
1484 OFFICE EDUCATION
1485 BOE/BOE I/BUSINESS ED/BUSINESS OFFICE/BUSINESS OCCUPATION TRAINING
1486 BOE II
1487 OFFICE SERVICE
1490 BUSINESS SIMULATION/BUSINESS LAB
1491 COOP OFFICE OCCUPATIONS-OJT/OFFICE APPRENTICE

1499 OFFICE OCCUPATIONS EDUCATION N.E.C.
SOCIAL STUDIES

ECONOMICS

1501 ECONOMICS
1502 ECONOMICS, SPECIAL TOPICS/ECONOMICS PROBLEMS/ECONOMIC HISTORY GOVERNMENT & ECONOMICS/LABOR MGT

GEOGRAPHY

1511 GEOGRAPHY/FIELD GEOGRAPHY/MODERN GEOGRAPHY
1512 GEOGRAPHY, HUMAN/GEOGRAPHY, CULTURAL/GEOGRAPHY, URBAN
1513 GEOGRAPHY, PHYSICAL
1514 GEOGRAPHY, POLITICAL/GEOGRAPHY, ECONOMIC
1515 GEOGRAPHY, U.S.
1516 GEOGRAPHY, REGIONAL/GEOGRAPHY, STATE
1517 WORLD GEOGRAPHY, OTHER COUNTRIES/GEOGRAPHY OF LATIN AMERICA
POLITICAL SCIENCE

1521 AMERICAN DEMOCRACY/AMERICAN GOVERNMENT/AMERICAN GOVERNMENT I
   AMERICAN GOVERNMENT II/CIVICS/CITIZENSHIP/AMERICAN VOTER/U.S. CONST. TEST
   AMERICAN POLITICAL SYSTEM/PROBLEMS OF DEMOCRACY/POD

1522 COMPARATIVE POLITICAL SYSTEMS/COMPARATIVE GOV'T./POLITICAL IDEOLOGY
   AMERICANISM VS. COMMUNISM/CAPITALISM/FREE ENTERPRISE

1523 LAW/LAW AND THE INDIVIDUAL/CRIMINAL JUSTICE/THE COURTS/STUDENT AND THE LAW
   CIVIL LIBERTIES/JUSTICE/JUSTICE IN AMERICA/TAKING THE 5TH/YOU AND THE LAW
   CITIZEN LAW/RIGHTS & RESPONSIBILITIES

1524 CURRENT EVENTS/WORLD ISSUES/CONTEMPORARY WORLD/TODAY'S ISSUES/CONT PROB

1525 GOVERNMENT, STATE/GOVERNMENT, U.S. & LOCAL/
   GOVERNMENT, STATE & HISTORY/STATE & LOCAL GOVERNMENT/STATE CONST. TEST

1526 PARLIAMENTARY LAW

1527 POLITICAL SCIENCE/POLITICAL THEORY

AMERICAN HISTORY/AMERICAN AREA STUDIES

1535 AMERICAN HISTORY/AMERICAN CIVILIZATION/ORIGINS, AMERICAN NATION

1536 AMERICAN HISTORY I/U.S. HISTORY I/PRE-COLONIAL TO CIVIL WAR 1860
   19TH CENTURY U.S. HISTORY

1537 AMERICAN HISTORY II/U.S. HISTORY II/CIVIL WAR TO PRESENT
   20TH CENTURY U.S. HISTORY

1538 AMERICAN HISTORY, STATE/AMERICAN HISTORY, REGIONAL/AMERICAN HISTORY, LOCAL
   LOCAL HERITAGE

1539 AMERICAN STUDIES I/AMERICAN STUDIES II/AMERICAN CULTURE
   AMERICAN FOLK CULTURE

AMERICAN HISTORY/AMERICAN AREA STUDIES/AMERICAN POLITICAL SCIENCE
   SPECIAL TOPICS

1545 WEST MOVEMENT/OUTSTANDING AMERICANS/NATION GROWS UP/AMERICAN FRONTIER
   AMERICAN HISTORY, MILITARY/ROARING 20'S/U.S. AS A WORLD POWER/IMMIGRANTS
   HISTORY, AMERICAN INDIAN/INDIAN-AMERICANS/AMERICAN WOMEN
   WOMEN IN AMERICAN HISTORY/SLAVE & RACE/U.S. REFORM
   NATL. GROWTH REFORM/AMERICAN HERITAGE/YEARS OF CRISIS/BLUE-GREY
   FOREIGN POLICY/AMERICAN PRESIDENCY/FEDERALISM
   AMERICAN FOREIGN DIPLOMACY/INTERNATIONAL RELATIONS/DIPLOMACY
   WORLD RELATIONS/AMERICAN EXPANSION
OTHER HISTORY/AREA STUDIES

1551 HISTORY N.S./AREA STUDIES N.S.
1552 HISTORY, AFRICAN/AFRICAN AREA STUDIES/SUB-SAHARA
1553 HISTORY, ANCIENT/HISTORY, ANCIENT & MEDIEVAL/ANCIENT WORLD/ANCIENT CIV.
1554 HISTORY, BLACK/BLACK CULTURE/HISTORY, MINORITY
1555 HISTORY, EUROPEAN/EUROPEAN CULTURE/EUROPEAN, EARLY/EUROPEAN, MODERN
1556 HISTORY, MEDIEVAL/ MEDIEVAL SOC./MEDIEVAL & MODERN HISTORY
1557 HISPANIC SOCIETY/INDIVIDUAL IN HISPANIC SOCIETY/MANY FACETED SPANISH CHARACTER
1558 HISTORY, EASTERN HEMISPHERE/HISTORY, ASIA/HISTORY, CHINA HISTORY, MIDDLE EAST/HISTORY, INDIA
1559 HISTORY, WESTERN HEMISPHERE/HISTORY, LATIN AMERICA
1560 MODERN CIVILIZATIONS/20TH CENTURY/HOT-COLD WAR/WWI & AFTER/ MODERN WORLD TWENTIETH CENTURY WORLD/TWENTIETH CENTURY HISTORY/HISTORY, MODERN HISTORY, CONTEMPORARY
1561 WESTERN CIVILIZATIONS
1562 NON-WESTERN CIVILIZATIONS/NON-WEST CULT/EASTERN CULT
1563 WORLD CIVILIZATION, COMPARATIVE/HISTORY OF CIVILIZATIONS
1564 WORLD HISTORY/WORLD HISTORY I
1565 WORLD HISTORY II/WORLD HISTORY A.P.

OTHER HISTORY, SPECIAL TOPICS

1575 RUSSIA/SOV. UNION/COMMUNIST/MEXICAN—AMERICAN HISTORY/CONTEMPORARY MEXICAN THIRD WORLD/NEW NATION/DEVELOPING WORLD/GERMANY/MODERN GERMAN MILITARY NAZI GERMANY/WORLD WAR I/WORLD WAR II/HISTORY OF DISSENT/ICE WAR DAYS OF YESTERYEAR/HUMAN IN CONFLICT

SOCIAL SCIENCES

1581 SOCIAL STUDIES/SOCIAL SCIENCES/SOCIAL SCIENCE I/SOCIAL STUDIES I
1582 SOCIAL STUDIES II/SOCIAL SCIENCE II/ADVANCED SEMINAR
1583 FUTURE STUDIES
1584 ANTHROPOLOGY/HUMAN: EVOL. & SURVIVAL/EARLY HUMAN/PREHISTORIC HUMAN CULTURAL ANTHROPOLOGY/CULTURE/WORLD CULTURES/TRADITIONS AROUND THE WORLD HUMAN RELATIONS/SOCIAL RELATIONS/FOCUS ON HUMAN HERITAGE OF MANKIND CULTURAL AWARENESS
1585 SOCIAL PROBLEMS/CRIMINOLOGY/URBAN PROBLEMS/LABOR PROBLEMS/RACIAL PROBLEMS
1586 SOCIOLOGY/HUMAN & SOCIETY/YOUNG & SOCIETY/SOCIAL ORGANIZATION/URBAN SOCIOLOGY COMMUNITY RELATIONS/SOCIAL REALITY
1587 PSYCHOLOGY/HUMAN BEHAVIOR/INDIVIDUAL BEHAVIOR/BEHAVIORAL SCIENCES PSYCHOLOGY I/INTRODUCTION-BEHAVIOR
1588 PSYCHOLOGY II/CHILD PSYCHOLOGY/ADOLESCENT PSYCHOLOGY/SOCIAL PSYCHOLOGY

1599 SOCIAL STUDIES N.E.C./NEW HORIZONS/DEVELOPING WORLD/DISSENT
1601 MATERIALS TECHNOLOGY/STRENGTH OF MATERIALS/GENERAL MATERIALS
1602 POWER TECHNOLOGY/POWER TECH
1610 POLICE SCIENCE(MOVED TO 1724)
1611 COOP SOCIAL SERVICE
1650 AV TECHNICIAN
VOCATIONAL: TRADES & INDUSTRY

MECHANICS & REPAIR

1701 AIR CONDITIONING/HEATING/REFRIGERATION
1702 AIRCRAFT/AVIATION MECH.
1703 RADIO AND TELEVISION REPAIR
1704 AUTOMOBILE MECHANICS/VOC. AUTO/BODY & FENDER MECHANICS
1705 HEAVY EQUIPMENT MECHANICS, INCL. DIESEL
1706 APPLIANCE REPAIR
1707 INSTRUMENT MAINTENANCE & REPAIR
1708 SMALL ENGINE REPAIR/GAS ENGINES/MOTORCYCLE REPAIR
1709 OFFICE MACHINE REPAIR

SERVICE WORKERS (CLEANING/FOOD/PERSOAL/PROTECTIVE)

1721 CUSTODIAL SERVICES
1722 COSMETOLOGY/BARBERING/MODELLING SERVICES
1723 FIREMAN TRAINING
1724 LAW ENFORCEMENT TRAINING/POLICE SCIENCE.

CRAFTS & TRADES

1731 CONSTRUCTION/BLDG TRADES
1732 CARPENTRY
1733 ELECTRICITY
1734 MASONRY/BRICKLAYING
1735 SHEETMETAL WORK
1736 WELDING & CUTTING
1737 TEXTILE LEATHER PRODUCTION & FABRICATION
1738 MACHINE TOOL OPERATION/TOOL AND DIE MAKING/METALWORKING
1739 PLUMBING SHOP
1740 PATTERN MAKING/PATTERNS
1741 FURNITURE
COOP SPECIFIED

1751 CONSTRUCTION COOP
1753 ELECTRICITY COOP
1755 GRAPHIC ARTS COOP
1756 METALS COOP
1757 MANUFACTURING COOP
1758 WOOD COOP
1759 POWER COOP

1765 COOP, N.E.C.  ***LOOK AT COOP SPECIFIED FIRST. IF
   CVE-COOP VOC EDUCATION  CORRESPONDING COURSE NOT AVAILABLE,
   ICE-INDUSTRIAL COOP EDUCATION  CODE 1765***
   T & I-COOP WORK EXPERIENCE
   REL-COOP TRAINING
   VOC. TECH.

OTHER OCCUPATIONS

1771 AVIATION/AERO ED.
1772 COMMERCIAL ART/ILLUSTRATION/COMMERCIAL DESIGN
1773 COMMERCIAL PHOTOGRAPHY
1774 DRAFTING
1775 ELECTRONICS
1776 GRAPHIC ARTS
1777 MARITIME OCCUPATIONS/NAVIGATION
1778 PRINTING/LITHOGRAPHY/VOC. PRINTING
1779 BLUEPRINT READING
1780 CONSTRUCTION MAINTENANCE TRADES

1799 TRADES & INDUSTRY, N.E.C./TRADE/TRADE THEORY
21 SAFETY & DRIVER EDUCATION

2101 CIVIL DEFENSE
2102 DRIVER EDUCATION/BEHIND THE WHEEL/DRIVER ED, CLASSROOM/DRIVER, THEORY DRIVER, SIMULATION/AUTO INFORM./HEALTH & DRIVER'S ED
2103 SAFETY/D.E. RANGE/D.E. SAFETY

22 JUNIOR ROTC

2201 ROTC, JUNIOR/NAVAL SCIENCE
2202 ROTC, JUNIOR I/NAVAL SCIENCE I
2203 ROTC, JUNIOR II/NAVAL SCIENCE II
2204 ROTC, JUNIOR III/NAVAL SCIENCE III
2205 ROTC, JUNIOR IV/NAVAL SCIENCE IV
23

PHILOSOPHY & RELIGION

2301 PHILOSOPHY/PHILOSOPHY, EASTERN/EXISTENTIALISM
2302 LOGIC (UNLESS UNDER MATH)
2303 PHILOSOPHY OF SCIENCE
2349 PHILOSOPHY, N.E.C.

STUDY OF RELIGION

2351 COMPARATIVE RELIGION/WORLD RELIGIONS/SURVEY CATHOLIC

DOCTRINAL COURSES, GENERAL

2361 RELIGION/RELIGIOUS STUDIES/RELIGIOUS KNOWLEDGE/RELIGION I/RELIGION II
RELIGION III/RELIGION IV

RELIGION, SPECIAL TOPICS

2371 BIBLE/SCRIPTURE/OLD TESTAMENT/NEW TESTAMENT/CHRIST TESTAMENT
HEBREW TESTAMENT/RELIGIOUS HISTORY/CHURCH HISTORY/BIBLE HISTORY
CHRISTIAN ETHICS/THEOLOGY/CHRIST DOCTRINE/CHRISTIAN SOCIAL DEV.
CHRISTIAN ROOTS/GROWTH IN CHRIST/SACRAMENTS

2399 RELIGION, N.E.C.
STUDY SKILLS

2801 STUDY HALL/STUDY SKILLS/CREATIVE LEARNING/HIGH SCHOOL SKILLS/NOTE TAKING
INTRODUCTION/H.S. SKILLS/STUDENT PRACTICUM/LEARNING 100
2802 LIBRARY SCIENCE/LIBRARY SCIENCE I/LIBRARY SCIENCE II/HONOR SOCIETY STUDENT
HONORS I/H.S. STUDENT ADVANCEMENT/ORGANIZING/SENIOR SEMINAR
- STUDENT COUNCIL/RESEARCH/LIBRARY & RESEARCH/Writing TERM PAPERS
LIBRARY & MEDIA PRACTICE/INDEPENDENT STUDY
2803 ORIENTATION.
CAREER PLANNING & EDUCATION

****THESE ARE COURSES WHICH HELP THE STUDENT TO MAKE CAREER DECISIONS****

3001 CAREER EDUCATION/CAREER EDUCATION, N.S.
3002 VOCATIONAL GROUP GUIDANCE/GROUP COUNSELLING/YOU/FUTURE
3003 VOCATIONS N.S./WORLD OF WORK/OCUPATION SCIENCE/VOCA TIONAL DEV./CAREER LAB
VOCA TIONAL EXPLORATION/VOCA TIONAL DEV. I

SPECIFIC CAREER EDUCATION/PLANNING

3011 CONSTRUCTION CE
3012 DISTRIBUTIVE EDUCATION CE
3013 ELECTRICITY CE
3014 HEALTH CE/CAREER IN HEALTH
3015 HOME ECONOMICS CE
3016 GRAPHIC ARTS CE
3017 METALS CE
3018 MANUFACTURING CE/INDUSTRIAL OCCUPATIONS
3019 WOOD CE
3020 POWER CE
3021 OFFICE OCCUPATIONS CE

GENERAL VOCATIONAL PREPARATION ***COURSES WHICH PREPARE THE STUDENT FOR
GENERAL EMPLOYABILITY***

3041 PVT, PREVOCATIONAL TRAINING/JOBS PREPARATION/EMPLOYMENT SKILLS
DIVERSIFIED OCCUPATIONS/COORDINATED VOC-ACADEMIC EXPERIENCE
VOC ACT-SPECIFIC/SKILL CENTER

WORK EXPERIENCE *** THESE REPRESENT ACTUAL WORK EXPERIENCES, WHETHER
INSIDE OR OUTSIDE OF SCHOOL. CHECK VOCATIONAL AREAS
FIRST.

3051 WORLD OF WORK EXPERIENCE/DCT/GENERAL WORK EXP./TEACHING ASSISTANT
CWA-OCUPATIONAL WORK ADJUSTMENT/VOC. ACT ON-THE-JOB/CETA-OJT/WORK STUDY
VOLUNTEER WORK/AMERICAN RED CROSS/R.O.P./WORK EXPERIENCE EDUCATION
COMMUNITY SERVICE/JUNIOR ACHIEVEMENT/ISICS

3061 GUIDANCE & PERSONAL GROWTH/TEEN PROBLEMS/TODAY'S VALUES/PERSONAGRAP H
PEER COUNSELLING/TEENS TODAY
ABBREVIATIONS

AP—ADVANCED PLACEMENT
VOE—VOCATIONAL OFFICE EDUCATION
ICT—INDUSTRIAL COOPERATIVE TRAINING
DE/D ED/DIS ED—DISTRIBUTIVE EDUCATION
IWE—INSIDE WORK EXPERIENCE
OWE—OUTSIDE WORK EXPERIENCE
FOM—FUNDAMENTALS OF MATHEMATICS
O/WA—OCCUPATIONAL WORK ADJUSTMENT
CVAE—COORD. VOC. ACADEMIC
PVT—PRE-VOCATIONAL TRAINING
ESL—ENGLISH AS A SECOND LANGUAGE
ESOL—ENGLISH FOR SPEAKERS OF OTHER LANGUAGES
HEC/H.E.—HOME ECONOMICS
COE—COOPERATIVE OFFICE EDUCATION
CLO—CLOTHING
ASSP—ADVANCED SOCIAL SCIENCE PROBLEMS (GAIN INSIGHT INTO CAREERS AND OPPORTUNITIES)
R.O.P.—REGIONAL OCCUPATIONAL PROGRAM (CODE 3051 UNLESS SPECIFIED)
ISICS—IND. STUDY IN COMMUNITY SERVICE
EOT..
I. ALPHABETIC LISTING OF COURSE CODES
1266 A CAPELLA CHOIR
1401 ACCOUNTING
1401 ACCOUNTING FUNDAMENTALS
1404 ACCOUNTING PROBLEMS
0575 ACTING
0575 ACTING ARTS
1333 ACTION CHEMISTRY
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1004 ADVANCED SHOP
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0101 AGRICULTURAL OCCUPATION, PRINCIPLES OF
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0125 AGRICULTURE MECHANICS & CONSTRUCTION
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0101 AGRICULTURE SCIENCE
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3051 AMERICAN RED CROSS
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3001 CAREER EDUCATION (N.S.)
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0501 ENGLISH BASIC SKILLS
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0510 ENGLISH MAKE UP
0510 ENGLISH REVIEW
0509 ENGLISH SEMINAR
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0507 ENGLISH, COLLEGE PREP.
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0943 HOME IMPROVEMENT
0901 HOMEMAKING
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0940 HOME MANAGEMENT
0945 HOME MANAGEMENT & FINANCE
1053 HOME MECHANICS
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2802 HONOR SOCIETY STUDENT
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0550 HORROR
0154 HORTICULTURE
0154 HORTICULTURE T & I
0941 HOSPITALITY & ENTERTAINMENT
1560 HOT-COLD WAR
0450 HOTEL & LODGING
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1350 HPP (HARVARD PROJECT PHYSICS)
1584 HUMAN RELATIONS
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1325 HUMAN BIOLOGY
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1376 HUMAN ECOLOGY
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1765 ICE-INDUSTRIAL COOP EDUCATION
1772 ILLUSTRATION
1545 IMMIGRANTS
2802 INDEPENDENT STUDY
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1587 INDIVIDUAL BEHAVIOR
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1003 INDUSTRIAL ARTS II
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1005 INDUSTRIAL ARTS IV
1099 INDUSTRIAL Arts, N.E.C.
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1015 INDUSTRIAL DRAWING ***
1017 INDUSTRIAL DRAWING I ***
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1019 INDUSTRIAL DRAWING III ***
1020 INDUSTRIAL DRAWING IV ***
0450 INDUSTRIAL MARKETING
1099 INDUSTRY
0704 INHALATION THERAPY TECHNICIAN
1707 INSTRUMENT MAINTENANCE & REPAIR
1257 INSTRUMENTAL ENSEMBLES
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0961 INTERMEDIATE CLOTHING
1112 INTERMEDIATE MATH
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1545 INTERNATIONAL RELATIONS
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1587 INTRODUCTION-BEHAVIOR
2801 INTRODUCTION-H.S. SKILLS
0313 INVESTMENT
1350 IPS PHYSICS (INTRO. PHYSICAL SCIENCE)
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0640 ITALIAN
0640 ITALIAN I
0641 ITALIAN II
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0641 ITALIAN V
0641 ITALIAN A.P.'
0640 ITALIAN, CONVERSATIONAL
0649 ITALIAN, N.E.C.

0683 JAPANESE, ALL LEVELS
0239 JEWELRY & METALWORK
0240 JEWELRY & METALWORK I
0241 JEWELRY & METALWORK II
0242 JEWELRY & METALWORK III
0242 JEWELRY & METALWORK IV
3041 JOB PREPARATION
0559 JOURNALISM
0559 JOURNALISM I
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0560 JOURNALISM III
0560 JOURNALISM IV
3051 JUNIOR ACHIEVEMENT
0404 JUNIOR MARKETING
1113 JUNIOR MATH
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1523 JUSTICE IN AMERICA

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1360 KINEMATICS

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1585 LABOR PROBLEMS
0155 LANDS & GARDEN
0155 LANDSCAPING
0599 LANG. TECH.
0599 LANG. THE ACT
0501 LANGUAGE ARTS
0503 LANGUAGE ARTS I
0599 LANGUAGE ARTS N.E.C.
0581 LANGUAGE OF MAN
0510 LANGUAGE SKILLS
0239 LAPIDARY
0650 LATIN
0650 LATIN I
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0651 LATIN A.P.
0651 LATIN, ENGLISH ROOTS
0659 LATIN, N.E.C.
1523 LAW
1523 LAW AND THE INDIVIDUAL
1724 LAW ENFORCEMENT TRAINING
2801 LEARNING 100
0243 LEATHERCRAFT
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2802 LIBRARY & MEDIA PRACTICE
2802 LIBRARY & RESEARCH
2802 LIBRARY SCIENCE
2802 LIBRARY SCIENCE I
2802 LIBRARY SCIENCE II
1325 LIFE BEFORE BIRTH
1317 LIFE SCIENCES
1360 LIGHT
1195 LIGHTER SIDE OF MATH
0581 LINGUISTICS
0565 LISTENING & SPEAKING
0550 LIT. ANIMALS
0536 LIT. MODERN
0599 LIT. TYPE
0536 LIT., 20TH CENTURY
0542 LIT., EUROPEAN
0536 LITERATURE, CONTEMPORARY
0535 LITERATURE N.S.
0550 LITERATURE OF PROTEST
0550 LITERATURE OF THE OLD WEST
0540 LITERATURE, AMERICAN
0550 LITERATURE, BIBLE
0550 LITERATURE, BLACK
0542 LITERATURE, BRITISH
0550 LITERATURE, CLASSICAL
0542 LITERATURE, EAST AND WEST
0542 LITERATURE, ENGLISH
0550 LITERATURE, MINORITY
0543 LITERATURE, REGIONAL
0543 LITERATURE, SOUTHWEST
0550 LITERATURE, SUPERNATURAL
0550 LITERATURE, SURVIVAL
0542 LITERATURE, WORLD
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0212 LITHOGRAPHY (ART)
1778 LITHOGRAPHY (TRADES & INDUSTRY)
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0508 LOGIC IN LANGUAGE
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1738 MACHINE TOOL OPERATION
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1325 MAIMALOGY
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1376 MAN & ENVIRONMENT
1586 MAN & SOCIETY
1376 MAN HIS WORLD
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0550 MAN, WOMAN ENGLISH
1584 MAN: EVOL. & SURVIVAL
3018 MANUFACTURING CE
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1325 MARINE BIOLOGY
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0404 MARKETING
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0582 MASS MEDIA
1601 MATERIALS TECHNOLOGY
0984 MATERNAL & INFANT CARE
1116 MATH ANALYSIS
1136 MATH FOR EVERYDAY LIFE
1117 MATH LAB (CODE EITHER 1101 OR 1113 IF POSSIBLE)
1110 MATH SKILLS
1134 MATH, AUTO
1134 MATH, NURSING
1133 MATH, TECHNOLOGICAL
1195 MATHEMATICAL LOGIC
1195 MATHEMATICAL THEORY
1110 MATHEMATICS
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1115 MATHEMATICS A.P.
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1131 MATHEMATICS, APPLIED II
1135 MATHEMATICS, BUSINESS
1115 MATHEMATICS, CEEB INTER.
1115 MATHEMATICS, COLLEGE BOARD REVIEW
1132 MATHEMATICS, COMPUTER
1130 MATHEMATICS, FUNCTIONAL I
1131 MATHEMATICS, FUNCTIONAL II
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1111 MATHEMATICS, FUNDAMENTALS I
1122 MATHEMATICS, FUNDAMENTALS II
1115 MATHEMATICS, GENERAL REVIEW
1199 MATHEMATICS, N.E.C.
1133 MATHEMATICS, OCCUPATIONAL
1133 MATHEMATICS, VOCATIONAL
1133 MATHEMATICS, SHOP
1195 MATRIX THEORY
1360 MATTER
1360 MATTER & ENERGY
1360 MATTER & MEASUREMENT
0928 MEAL PREPARATION
1015 MECHANICAL DRAWING ***
1016 MECH. DRAWING I ***
1017 MECH. DRAWING II ***
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1020 MECHANICAL DRAWING, A.P. ***
0582 MEDIA ANALYSIS
0790 MEDICAL ARTS
0705 MEDICAL ASSISTANT
1325 MEDICAL BIOLOGY
0707 MEDICAL EMERGENCY TECHNICIAN
0706 MEDICAL LAB ASSISTANT
0512 MEDICAL VOCABULARY
1556 MEDIEVAL & MODERN HISTORY
1556 MEDIEVAL SOCIETIES
0708 MENTAL HEALTH TECHNOLOGIST
0403 MERCHANDISING
1135 MERCHANDISING MATH
1062 METAL SHOP
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2371 NEW TESTAMENT
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0302 NOTEHAND
0537 NOVEL
1360 NUCLEAR SCIENCE
0710 NURSE, PRACTICAL
0711 NURSE, REGISTERED
0710 NURSE, VOCATIONAL
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0709 NURSING ASSISTANT
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1499 OFFICE OCCUPATIONS EDUCATION N.E.C.
1483 OFFICE PRACTICE (CLERICAL/GENERAL/SECRETARIAL)
1487 OFFICE SERVICE
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0565 ORAL COMMUNICATION SKILLS
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2803 ORIENTATION
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0154 ORNAMENTAL HORTICULTURE
1325 OUTDOOR ANIMALS
1545 OUTSTANDING AMERICANS
3051 OWA-OCUPATIONAL WORK ADJUSTMENT

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0804 P.E. & HEALTH
0204 PAINTING
0205 PAINTING I
0206 PAINTING II
0207 PAINTING III
0207 PAINTING IV
0209 PAINTING & SCULPTURE
0520 PARAGRAPH
0714 PARANEDICINE
0155 PARKS & GARDEN MAINTENANCE
1526 PARLIAMENTARY LAW
0941 PARTIES
0925 PARTY FOODS
1740 PATTERN MAKING
1740 PATTERNS
3061 PEER COUNSELLING
0520 PENNANSHIP
0804 PEP SQUAD
3061 PERSONAGRAPHER
0945 PERSONAL ECONOMICS
0945 PERSONAL FINANCES
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2301 PHILOSOPHY
2349 PHILOSOPHY, N.E.C.
2301 PHILOSOPHY, EASTERN
2303 PHILOSOPHY OF SCIENCE
0271 PHOTO DESIGN
0271 PHOTOGRAPHY
1032 PHOTOLITHOGRAPHY ***
0802 PHYSICAL EDUCATION (ALL PHYSICAL EDUCATION COURSES ARE CODED HERE)
1350 PHYSICAL SCIENCE
1350 PHYSICS
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1351 PHYSICS LAB
1352 PHYSICS, CEEB A.P.
1325 PHYSIOLOGY
1165 PLANE GEOMETRY
1325 PLANTS PEOPLE
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0575 PLAY PRODUCTION
1739 PLUMBING SHOP
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1071 POWER MECHANICS IV
1602 POWER TECHNOLOGY
0510 PRACTICAL ENGLISH
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1084 PRODUCTION TECHNIQUES WOOD
1099 PRODUCTION WORKSHOP
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1350 PSSC PHYSICS
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0350 PUBLIC RELATIONS
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0569 PUBLIC SPEAKING IV
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0540 PURITAN ETHICS
3041 PVT, PREVOCATIONAL TRAINING

3051 R.O.P. (NOT SPECIFIED)
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1703 RADIO AND TELEVISION REPAIR
1325 RADIobiology
0713 RADIologic TECHNOLOGIST
1151 RATIONAL ALGEBRAIC EXPRESSIONS
0528 READING IMPROVEMENT
0528 READING LAB
0525 READING SKILLS
0528 READING TECHNIQUES
0528 READING WORKSHOP
0529 READING, ADVANCED
0525 READING, BASIC
0528 READING, CORRECTIVE
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0526 READING, DEVELOPMENTAL I
0526 READING, DEVELOPMENTAL II
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0526 READING, DEVELOPMENTAL IV
0529 READING, DIRECTED STUDIES
0525 READING, EFFECTIVE
0525 READING, GENERAL
0529 READING, INDIVIDUAL
0528 READING, REMEDIAL
0527 READING, SPEED
0450 REAL ESTATE
0550 REBELS IN LITERATURE
1482 RECORD KEEPING
0450 RECREATION & TOURISM
1701 REFRIGERATION
1765 REL-COOP TRAINING
2361 RELIGION
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2371 RELIGIOUS HISTORY
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0520 RHETORIC
1523 RIGHTS & RESPONSIBILITIES
1545 ROARING 20'S
0239 ROCKS & MINERALS
2201 ROTC, JUNIOR
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1575 RUSSIA
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0660 RUSSIAN, CONVERSATIONAL
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2371 SACRAMENTS
2103 SAFETY
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0980 SCHOOL CHILD
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1302 SCIENCE IV
1301 SCIENCE SURVEY
1311 SCIENCE, INDUSTRIAL
1399 SCIENCE, N.E.C.
1301 SCIENCE, NATURAL
1311 SCIENCE, SHOP
1302 SCIENCE, SPECIAL TOPICS
1301 SCIENCE, THEORY & PRINCIPLE
1311 SCIENCE, TRADE
2371 SCRIPTURE
0210 SCULPTURE
0403 SELLING
0520 SEMANTICS
1110 SENIOR HIGH MATH
1114 SENIOR MATH
2802 SENIOR SEMINAR
0450 SERVICE STATION
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0976 SEWING, VOCATIONAL
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0972 SEWING IV
0974 SEWING WITH KNITS
0801 SEX EDUCATION
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1735 SHEETMETAL WORK
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1002 SHOP I
1003 SHOP II
1004 SHOP III
1005 SHOP IV
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1461 SHORTHAND I
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0212 SILKSCREENING
0239 SILVER
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0983 SKILLS FOR SURVIVAL
1545 SLAVE & RACE
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1585 SOCIAL AWARENESS
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1585 SOCIAL PROBLEMS
1588 SOCIAL PSYCHOLOGY
1586 SOCIAL REALITY
1584 SOCIAL RELATIONS
1581 SOCIAL SCIENCE I
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1581 SOCIAL SCIENCES
1581 SOCIAL STUDIES
1581 SOCIAL STUDIES I
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1582 SOCIAL STUDIES, SENIOR
1586 SOCIOLOGY
1586 SOCIOLOGY, URBAN
0115 SOILS AND CROPS
0803 SONGLEADING
1575 SOVIET UNION
0671 SPANISH
0673 SPANISH A.P.
0671 SPANISH I
0672 SPANISH II
0673 SPANISH III
0673 SPANISH IV
0673 SPANISH V
0673 SPANISH A.P.
0671 SPANISH, CONVERSATIONAL
0671 SPANISH, ELEMENTARY
0679 SPANISH, N.E.C.
1557 SPANISH CHARACTER, MANY FACETED
1405 SPECIAL ACCOUNTING TECH
0925 SPECIAL FOODS
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0568 SPEECH I
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0573 SPEECH & DRAMA
0573 SPEECH & DRAMA, ADVANCED
0572 SPEECH LAB (CODE 0571 OR 0569 IF SPECIFIED IN CATALOG)
0571 SPEECH, CORRECTIVE THERAPY
0570 SPEECH, RADIO
0302 SPEEDWRITING
0520 SPELLING
0550 SPORTS LITERATURE
0273 STAGECRAFT
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1525 STATE CONST. TEST
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1461 STENOGRAPHY
0968 STITCHERY
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0403 STOREWORK
0565 STORY TO TELL
0565 STORYTELLING
1601 STRENGTH OF MATERIALS
1257 STRING ENSEMBLE
1523 STUDENT AND THE LAW
2802 STUDENT COUNCIL
2801 STUDENT PRACTICUM
2801 STUDY HALL
0945 STUDY OF MONEY
2801 STUDY SKILLS
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*** THESE COURSES CAN BE EITHER I.A. OR T & I. CODE T & I IF IT IS
SPECIFIED TO BE A COOP COURSE OR IF THE SAME TYPE OF COURSE EARNs
2.5 CREDITS OR MORE. (IN THE LATTER CASE, COOP NEED NOT BE
SPECIFIED.)