

**NLTS2  
E2: Wave 5 Transcript Data**

**WARNING**

**FEDERAL RESTRICTED-USE DATA**

**UNAUTHORIZED ACCESS TO LICENSED INDIVIDUALLY IDENTIFIABLE INFORMATION IS A VIOLATION OF FEDERAL LAW AND WILL RESULT IN PROSECUTION.**

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## File Specifications

### Files:

N2Trans_Overall	N2Trans_GradeLvl
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### Source: Student Transcript Records data

N2Trans\_Overall: One record per student with any transcript data; source data from transcripts

N2Trans\_ByYear: Multiple records per student: one record per school year for students with transcript data for a given school year; source data from transcripts

N2Trans\_ByCourse: Multiple records per student: one record per course of those with transcript data for a given course; source data from transcripts

N2Trans\_GradeLvl: Multiple records per student: one record per grade attended of those with course-level transcript data for a given grade; summarized course variables by grade level

N2Trans\_Summary: One record per student of those who left secondary school and had course-level transcript data for grade levels attended; summarized course variables across all grades attended

### Variable Prefix:

N2Trans\_Overall: prefix nta  
 N2Trans\_ByYear: prefix nty  
 N2Trans\_ByCourse: prefix ntc  
 N2Trans\_GradeLvl: prefix ntg  
 N2Trans\_Summary: prefix nts

### Linking Variables: ID [student identifier]

### Missing Values: Negative number in SPSS, alpha missing code in SAS

-999, .a Not applicable [not applicable to this transcript record]  
 -998, .d Do not know [on transcript but did not know answer]  
 -980, .z Not ascertained [no answer for reasons other than those stated above]

E2—NLTS2 Wave 5 Transcript Data

Transcript Data Overall [File N2Trans_Overall]					
Variable Name	Source	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students	
<i>One Record per student with transcript data</i>					
• ID	ID	Individual youth ID	<b>Numeric Variable Values</b> 5-digit ID number  <b>Notes</b> Randomly generated for public use data	<b>Base</b> All Students with transcript data	
• ntaNoTrProg	Transcript	Student is in a program for which the school does not compile transcripts	<b>Numeric Variable Values</b> 1 Yes 0 No  <b>Notes</b> If ntaNoTrProg is yes, data are missing for all other transcript variables; these students are in a special program and do not have transcripts	<b>Base</b> All Students with transcript data	
• ntaFinStat	Transcript	Student's enrollment status as of final transcript data collection	<b>Numeric Variable Values</b> 1 Graduated 2 Aged out 3 Dropped out 4 Moved 5 Unknown/incomplete/still in school	<b>Base</b> All Students with transcript data	
• ntaLeft	Transcript	Student left secondary school as of final transcript data collection	<b>Numeric Variable Values</b> 1 Left school 2 Student's status unknown or he or she is still in school	<b>Base</b> All Students with transcript data	
• ntaLvSchYr	Transcript	School year student left secondary school	<b>Numeric Variable Values</b> 1 1996-1997 2 1997-1998 3 1998-1999 4 1999-2000 5 2000-2001 6 2001-2002 7 2006-2003 8 2007-2004 9 2008-2005 10 2009-2006 11 2006-2007 12 2007-2008	<b>Base</b> Students who left school as of final transcript	
• ntaLv... ntaLvMonth ntaLvYear	Transcript	Month and year student left secondary school	<b>Numeric Variable Values</b> Month and year left school	<b>Base</b> Students who left school as of final transcript	

E2—NLTS2 Wave 5 Transcript Data

Transcript Data Overall [File N2Trans_Overall]					
Variable Name	Source	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students	
• ntaLvTerm	Transcript	Term when student left secondary school	<b>Numeric Variable Values</b> 1 First term 2 Second term 3 Third term 4 Fourth term	<b>Base</b> Students who left school as of final transcript	
• ntaDiploma	Transcript	Diploma or certificate type of students who completed secondary school	<b>Numeric Variable Values</b> 1 Regular diploma [includes advanced] 2 Special diploma [includes minimum and not regular] 3 Certificate of completion 4 GED 5 Vocational/occupational/ career 6 Unknown	<b>Base</b> Students who graduated as of final transcript	
• ntaComplete	Transcript	Transcript appears to be complete through 12th grade or grade when student dropped out of school	<b>Numeric Variable Values</b> 1 Yes 0 No	<b>Base</b> All Students with transcript data	
• ntaAveDaysAbsent	Transcript	Average number of days absent per year for years attended as reported in this transcript	<b>Numeric Variable Values</b> Average number of days absent per year	<b>Base</b> All Students with absentee data in transcript data	
• ntaGrade_...[09-14]	Transcript	Grade levels reported for student in this transcript	<b>Numeric Variable Values</b> 1 Yes 0 No	<b>Base</b> All Students with transcript data	
ntaGrade_09	Student has transcript data for grade 9				
ntaGrade_10	Student has transcript data for grade 10				
ntaGrade_11	Student has transcript data for grade 11				
ntaGrade_12	Student has transcript data for grade 12				
ntaGrade_13	Student has transcript data for grade 13				
ntaGrade_14	Student has transcript data for ungraded				

E2—NLTS2 Wave 5 Transcript Data

Transcript Data by Year [File: N2Trans_ByYear]					
Variable Name	Source	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students	
<i>One Record per school year for students with transcript data for that year</i>					
• ID	ID	Individual youth ID	<b>Numeric Variable Values</b> 5-digit ID number  <b>Notes</b> Randomly generated for public use data	<b>Base</b> All Students with transcript data	
• ntyyear	Transcript	Academic school year spanning fall through summer for this record	<b>Numeric Variable Values</b> 1 1996-1997 2 1997-1998 3 1998-1999 4 1999-2000 5 2000-2001 6 2001-2002 7 2002-2003 8 2003-2004 9 2004-2005 10 2005-2006 11 2006-2007 12 2007-2008	<b>Base</b> All Students with transcript data	
• ntyAbsent	Transcript	Number of days absent in this school year	<b>Numeric Variable Values</b> Number of days absent	<b>Base</b> All Students with transcript data	
• ntyAbsent_classes	Transcript	Number of classes absent in this school year	<b>Numeric Variable Values</b> Number of classes absent	<b>Base</b> All Students with transcript data	
• ntyTerm_[1-4]	Transcript	Grading terms student attended in this school year	<b>Numeric Variable Values</b> 1 Yes 0 No  <b>Notes</b> Coded as 1 [yes] if any courses for this school year were taken during the grading term, otherwise coded to 0 [no]	<b>Base</b> All Students with transcript data	
	ntyPeriod_1	Student attended first term this year			
	ntyPeriod_2	Student attended second term this year			
	ntyPeriod_3	Student attended third term this year			
	ntyPeriod_4	Student attended fourth term this year			
• ntyLevel_[09-14]	Transcript	Grade level(s) of student in this school year or ungraded	<b>Numeric Variable Values</b> 1 Yes 0 No	<b>Base</b> All Students with transcript data	
	ntyLevel_09	Student was in 9 <sup>th</sup> grade this school year			
	ntyLevel_10	Student was in 10 <sup>th</sup> grade this school year			

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<b>Transcript Data by Year</b> <b>[File: N2Trans_ByYear]</b>					
<b>Variable Name</b>		<b>Source</b>	<b>Variable Description</b>	<b>Variable Type and Values</b> <b>Notes: Assignments, Modifications,</b> <b>and/or Validations</b>	<b>Base: Which Students</b>
	ntyLevel_11	Student was in 11 <sup>th</sup> grade this school year		<b>Notes</b> Student's grade level(s) was coded as a multiple response variable to be able to capture mid-school-year grade level changes, e.g. promotions or grade levels spanning more than one school year  Set to 1 [yes] if any courses for this school year were in the grade level, otherwise coded to 0 [no]	
	ntyLevel_12	Student was in 12 <sup>th</sup> grade this school year			
	ntyLevel_13	Student was in 13 <sup>th</sup> grade this school year			
	ntyLevel_14	Student was in ungraded this school year			

E2—NLTS2 Wave 5 Transcript Data

Transcript Data by Course [File N2Trans_ByCourse]					
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students	
<i>One Record per course for students with transcript data</i>					
• ID	ID	Individual youth ID	<b>Numeric Variable Values</b> 5-digit ID number  <b>Notes</b> Randomly generated for public use data	<b>Base</b> All Students with transcript data for this course	
• ID_GrLvl	ID	Composite Individual youth ID and grade level	<b>Character Variable Values</b> ID number and grade level  <b>Notes</b> Randomly generated for public use data	<b>Base</b> All Students with transcript data for this course	
• ntcRegSchool	Transcript	This course was in a typical school or in a special school or setting, including home school, correctional facility, or school for youth with disabilities	<b>Numeric Variable Values</b> 1 Typical school or setting 2 Special school or special setting	<b>Base</b> All Students with transcript data for this course	
• ntcYear	Transcript	Academic school year for this course	<b>Numeric Variable Values</b> 1 1996-1997 2 1997-1998 3 1998-1999 4 1999-2000 5 2000-2001 6 2001-2002 7 2002-2003 8 2003-2004 9 2004-2005 10 2005-2006 11 2006-2007 12 2007-2008	<b>Base</b> All Students with transcript data for this course	
• ntcGrLevel	Transcript	Grade level of student for this course	<b>Numeric Variable Values</b> 9 9 <sup>th</sup> grade 10 10 <sup>th</sup> grade 11 11 <sup>th</sup> grade 12 12 <sup>th</sup> grade 13 13 <sup>th</sup> grade 14 Ungraded	<b>Base</b> Students with transcript data for this course	
• ntcTerm	Transcript	Grading term within the school year for this course	<b>Numeric Variable Values</b> 1 First term	<b>Base</b> Students with transcript data for this course	

E2—NLTS2 Wave 5 Transcript Data

<b>Transcript Data by Course</b> <b>[File N2Trans_ByCourse]</b>				
Variable Name	Sources	Variable Description	<b>Variable Type and Values</b> <b>Notes: Assignments, Modifications, and/or Validations</b>	Base: Which Students
			2 Second term 3 Third term 4 Fourth term	
• ntcLevel	Transcript	Level for this course	1 Accelerated, advanced, honors, or gifted/talented 2 AP, IB, or college credit 3 General education, including certificate of merit, college prep, regents, and remedial 4 Special education	<b>Base</b> Students with transcript data for this course
• ntcUnits	(coded)	Number of semester equivalent credit units earned for this course	<b>Numeric Variable Values</b> Number of semester equivalent credits <hr/> <b>Notes</b> Schools varied widely in the metric used for reporting earned credits. All earned credits were converted to Carnegie semester units.	<b>Base</b> Students with transcript data for this course
• ntcHrs	(coded)	Number of semester hours for this course or, if earned "0" credits, number would have earned if he/she got credit for the course	<b>Numeric Variable Values</b> Number of semester equivalent credit hours <hr/> <b>Notes</b> Schools varied widely in the metric used for reporting earned credits. All earned credits were converted to Carnegie semester units. Credit hours are equal to Carnegie unit credits earned; if no credits earned ntcHrs assigned a value of ".5" for a single term or "1" for an annual course.	<b>Base</b> Students with transcript data for this course
• ntcEvalType	Transcript	Type of grade or evaluation for this course	<b>Numeric Variable Values</b> 1 Evaluated with a grade 2 Evaluated but not with a grade 3 Not evaluated	<b>Base</b> Students with transcript data for this course

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<b>Transcript Data by Course</b> <b>[File N2Trans_ByCourse]</b>				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
• ntcEval	(coded)	Grade or evaluation for this course	<p><b>Numeric Variable Values</b></p> <p>1 A</p> <p>2 A-</p> <p>3 B+</p> <p>4 B</p> <p>5 B-</p> <p>6 C+</p> <p>7 C</p> <p>8 C-</p> <p>9 D+</p> <p>10 D</p> <p>11 D-</p> <p>12 F</p> <p>13 Passed</p> <p>14 Not passed</p> <p>15 Incomplete</p> <p>16 Not graded</p> <p>17 Withdrawn</p> <p><b>Notes</b> Grade, evaluation, or status for this course: letter grade (such as A, B, C, D, F), other types of evaluation (such as passed, satisfactory, or unsatisfactory), or status (such as withdrawn, incomplete, no grade or credit). Percentage scores were coded as letter grades</p>	<p><b>Base</b> Students with transcript data for this course</p>
• ntcGradeScale	(coded)	If student was evaluated for this course, grade or evaluation for this course	<p><b>Numeric Variable Values</b> 0 .0 to 4.0</p> <p><b>Notes</b> Grade, evaluation for this course: numeric scale of 0 (low/"F") to 4 (high/"A")</p>	<p><b>Base</b> Students with transcript data for this course</p>
• ntcPassFail	(created)	If student was evaluated for this course, he or she passed or failed this class	<p>1 Passed</p> <p>2 Failed</p> <p><b>Notes</b> [conversion algorithm TBD]</p>	<p><b>Base</b> Students with a graded evaluation for this course</p>
• ntcCode	(coded)	Category of course based on NCES course codes	<p><b>Numeric Variable Values</b> 4-digit course code [see <a href="#">course code</a> list for values]</p> <p><b>Notes</b> Course titles and course descriptions coded into to a uniform metric based on a modified version of NCES</p>	<p><b>Base</b> Students with transcript data for this course</p>

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<b>Transcript Data by Course</b> <b>[File N2Trans_ByCourse]</b>				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			course codes See <a href="#">course codes</a> for categorization of course codes	
• ntcType	(created)	Class identified as an academic course, course with a vocational education focus, or other type of course	<b>Numeric Variable Values</b> 1 Academic 2 Vocational 3 Other <hr/> <b>Notes</b> See <a href="#">course codes</a> for categorization of course codes Content types are assigned from course codes as follows: Academic (same as ntcContent "1": 300.5, 1000, 1030, 1061, 1080, 1200, 1201, 1205, 1208, 1210, 1214, 1228, 1281, 1700, 1701, 1711, 1721, 1731, 1732, 1900, 2000, 2000.5, 2003, 2005, 2012, 2021, 2022, 2031, 2034, 2041, 2043, 2044, 2048, 2053, 2061, 2077, 2200, 2600, 2700, 2703, 2715, 2720, 2733, 2741, 2754, 2770, 2808, 2811) Vocational (100, 200, 204, 300, 400, 503.5, 505.5, 529, 530, 600, 700, 821, 900, 1070, 1300, 1500, 1600, 1800, 2060, 2100, 2400, 2500, 3000, 3001, 3002, 3003, 3004, 3005, 3006, 3008) Other (500, 503, 505, 513, 515, 516, 517,800, 803, 843, 851, 1100, 1107, 1110, 1120, 1154, 1171, 1400, 1408, 1410, 2017, 2300, 2302,2316,2803, 2804, 2805, 2806, 2800, 2801, 2802, 2807, 2809, 2810, 2812, 3009, 4000)	<b>Base</b> Students with transcript data for this course
• ntcTypeAlt	(created)	Class identified as an academic course, course with a vocational education focus, or other type of course [alternate coding with business English and business math in academic (1) rather than vocational (2)]	<b>Numeric Variable Values</b> 1 Academic 2 Vocational 3 Other <hr/> <b>Notes</b> See <a href="#">course codes</a> for categorization of course codes Content types are assigned from course codes as in ntcType except business English (1070) and business math (2060) are in academic (1) rather than vocational (2) and life skills math (2017) is in academic rather than other	<b>Base</b> Students with transcript data for this course

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Transcript Data by Course [File N2Trans_ByCourse]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
• ntcContent	(created)	Content area of course based on NCES course codes	<p><b>Numeric Variable Values</b></p> <ul style="list-style-type: none"> <li>1 Academic</li> <li>2 Fine and performing arts</li> <li>3 Physical education and health</li> <li>4 Vocational: occupational</li> <li>5 Vocational: work study/cooperative education</li> <li>6 Vocational: Prevocational</li> <li>7 Life skills</li> <li>8 Learning Supports</li> <li>9 Other content area</li> </ul> <p><b>Notes</b> See <a href="#">course codes</a> for categorization of course codes Content areas are assigned from course codes as follows:</p> <p>Academic (same as ntcType "1": 300.5, 1000, 1030, 1061, 1080, 1200, 1201, 1205, 1208, 1210, 1214, 1228, 1281, 1700, 1701, 1711, 1721, 1731, 1732, 1900, 2000, 2000.5, 2003, 2005, 2012, 2021, 2022, 2031, 2034, 2041, 2043, 2044, 2048, 2053, 2061, 2077, 2200, 2600, 2700, 2703, 2715, 2720, 2733, 2741, 2754, 2770, 2808, 2811)</p> <p>Fine and performing arts (1100, 1107, 1110, 1120, 1154, 1171)</p> <p>Physical education (2300, 2302, 2316)</p> <p>Occupational vocational (100, 200, 204, 300, 400, 503.5, 505.5, 529, 530, 600, 700, 900, 1070, 1300, 1500, 1600, 1800, 2060, 2100, 2400, 2500, 3005)</p> <p>Work study/cooperative education (3002, 3008)</p> <p>Prevocational (821, 3000, 3001, 3003, 3004, 3006)</p> <p>Life skills (500, 503, 505, 513, 515, 516, 517, 1400, 1408, 1410, 2017, 2803, 2804, 2805, 2806)</p> <p>Learning supports (803, 2800, 2801, 2802, 2809, 2810, 2812)</p> <p>Other content area (800, 843, 851, 2807, 3009, 4000)</p>	<b>Base</b> Students with transcript data for this course
• ntcContentAlt	(created)	Content area of course based on NCES course codes [alternate coding with	<p><b>Numeric Variable Values</b></p> <ul style="list-style-type: none"> <li>1 Academic</li> <li>2 Fine and performing arts</li> </ul>	<b>Base</b> Students with transcript data for this course

E2—NLTS2 Wave 5 Transcript Data

<b>Transcript Data by Course</b> <b>[File N2Trans_ByCourse]</b>				
Variable Name	Sources	Variable Description	<b>Variable Type and Values</b> <b>Notes: Assignments, Modifications, and/or Validations</b>	Base: Which Students
		business English and business math in academic rather than occupational vocational]	3 Physical education and health 4 Vocational: occupational vocational 5 Vocational: work study/cooperative education 6 Vocational: prevocational 7 Life skills 8 Learning Supports 9 Other content area  <b>Notes</b> See <a href="#">course codes</a> for categorization of course codes Content areas are assigned from course codes as in ntcContent except business English (1070) and business math (2060) are in academic (1) rather than occupational vocational (4). Life skills math (2017) is in academic (1) rather than life skills (6)	
• ntcSubjArea	(created)	Academic subject area or occupational vocational subject area of course based on NCES course codes	<b>Numeric Variable Values</b> <b>Academic Subject Areas</b> 1 English 2 Basic-level math 3 Mid-level math 4 Advanced math 5 Sciences 6 Social science 7 Foreign language 8 Other or unable to classify  <b>Occupational Vocational Subject Areas</b> 11 Agricultural 12 Business 13 Food service and hospitality 14 Health occupations 15 Home economics 16 Marketing 17 Technology 18 Trade and industry 19 Other or unable to classify  <b>Notes</b> See <a href="#">course codes</a> for categorization of course codes Academic subject areas are assigned from course codes as follows:	<b>Base</b> Students with transcript data for this course

E2—NLTS2 Wave 5 Transcript Data

Transcript Data by Course [File N2Trans_ByCourse]					
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students	
			English (1000, 1030, 1061, 1080, 1900) Basic-level math (2000, 2003, 2005, 2012, 2021) Mid-level math (2022, 2031, 2034, 2041) Advanced math (2000.5 , 2043, 2044, 2048, 2053, 2061, 2077) Science (1700, 1701, 1711, 1721, 1731, 1732) Social science (2200, 2600, 2700, 2703, 2715, 2720, 2733, 2741, 2754, 2770, 300.5) Foreign language (1200, 1201, 1205, 1208, 1210, 1214, 1228, 1281, 2808) Academic subject not specified on transcript (2811) Occupational vocational subject areas are assigned from course codes as follows: Agricultural occupations (100) Business occupations (200, 204, 1070, 2060) Food service and hospitality occupations (503.5, 530) Health occupations (529, 1500) Home economics (505.5) Marketing occupations (1800) Technology occupations (300, 700, 2100) Trade and industry occupations (400, 600, 900, 1300, 1600, 2400, 2500) Occupational area not specified on transcript (3005)		
• ntcSubjAreaAlt	(created)	Academic subject area or occupational vocational subject area of course based on NCES course codes	<b>Numeric Variable Values</b> <b>Academic Subject Areas</b> 1 English 2 Basic-level math 3 Mid-level math 4 Advanced math 5 Sciences 6 Social science 7 Foreign language 8 Other or unable to classify	<b>Base</b> Students with transcript data for this course	

E2—NLTS2 Wave 5 Transcript Data

<b>Transcript Data by Course</b> <b>[File N2Trans_ByCourse]</b>				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			<p><b>Occupational Vocational Subject Areas</b></p> <ul style="list-style-type: none"> <li>11 Agricultural</li> <li>12 Business</li> <li>13 Food service and hospitality</li> <li>14 Health occupations</li> <li>15 Home economics</li> <li>16 Marketing</li> <li>17 Technology</li> <li>18 Trade and industry</li> <li>19 Other or unable to classify</li> </ul> <p><b>Notes</b>                      See <a href="#">course codes</a> for categorization of course codes                      Subject areas are assigned from course codes as in ntcSubjArea except business English (1070) is in academic English (1) rather than occupational business (12), business math (2060) is in academic basic-level math (2) rather than occupational business (12), and life skills math (2017) is in basic-level math (2060)</p>	

E2—NLTS2 Wave 5 Transcript Data

Course taking Summary by Grade Level [File N2Trans_GradeLvl]					
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students	
<i>One Record per grade level for students with course-level transcript data for that grade level</i>					
• ID	ID	Individual youth ID	<p><b>Numeric Variable Values</b> 5-digit ID number</p> <p><b>Notes</b> Randomly generated for public use data</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>	
• ID_GrLvl	ID	Composite Individual youth ID and grade level	<p><b>Character Variable Values</b> ID number and grade level</p> <p><b>Notes</b> Randomly generated for public use data</p>	<p><b>Base</b> All Students with transcript data for this course</p>	
• ntgGrLevel	Transcript	For each grade level [9-13 and ungraded], grade level for this grade level summary	<p><b>Numeric Variable Values</b> 9 9<sup>th</sup> grade 10 10<sup>th</sup> grade 11 11<sup>th</sup> grade 12 12<sup>th</sup> grade 13 13<sup>th</sup> grade 14 Ungraded</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>	
• ntgSpechSch	(created)	For each grade level [9-13 and ungraded], if any courses were in a special school or setting, including home school, correctional facility, or school for youth with disabilities	<p><b>Numeric Variable Values</b> 1 Yes 0 No</p> <p><b>Notes</b> Set to 1 [yes] if any ntcRegSchool = 2 [any course was in a special school or setting] for this grade  Set to 0 [no] if all ntcRegSchool = 1 [all courses were in a typical school or setting] for this grade</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>	
• ntgHad_ <i>[content type]</i> ntgHad_ <i>[content type]</i> _ <i>[setting]</i>	(created)	For each grade level [9-13 and ungraded], if student had courses in content types—overall and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> 1 Yes 0 No</p> <p><b>Notes</b> Content types are academic, vocational, or other</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and</p>	

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
<p><b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b></p> <p><b>Content Type Courses</b> (overall and by general or special education setting)</p> <p>ntgHad_Acad [_GPI,_SPI] Had academic courses [overall and by general or special education setting]</p> <p>ntgHad_AnyV [_GPI,_SPI] Had vocational courses [overall and by general or special education setting]</p> <p>ntgHad_OthC [_GPI,_SPI] Had other types of courses [overall and by general or special education setting]</p> <p>ntgHad_AltAc [_GPI,_SPI] Alternate coding: academics [overall and by general or special education setting]</p> <p>ntgHad_AltV [_GPI,_SPI] Alternate coding: vocational [overall and by general or special education setting]</p> <p>ntgHad_AltOthC [_GPI,_SPI] Alternate coding: other [overall and by general or special education setting]</p>			<p>content type</p> <p>Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic</p> <p>Setting is by general or special education; general ed setting is indicated by the "<i>GPI</i>" suffix, special by "<i>SPI</i>," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p>	<p>13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<ul style="list-style-type: none"> <li>ntgHad_[content area]</li> <li>ntgHad_[content area]_[setting]</li> </ul>	(created)	For each grade level [9-13 and ungraded], if student had courses in content types—overall and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b></p> <p>1 Yes</p> <p>0 No</p> <p><b>Notes</b></p> <p>Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.</p> <p>Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic</p> <p>Setting is by general or special education; general ed setting is indicated by the "<i>GPI</i>" suffix, special by "<i>SPI</i>," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p>	<p><b>Base</b></p> <p>All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<p><b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b></p> <p><b>Content Area Courses</b> (overall and by general or special education setting)</p> <p>Had academic courses (see ntgHad_Acad under content types)</p> <p>ntgHad_Arts [_GPI,_SPI] Had fine or performing arts courses [overall and by general or special education setting]</p> <p>ntgHad_PE [_GPI,_SPI] Had physical education courses [overall and by general or special education setting]</p> <p>ntgHad_OccV [_GPI,_SPI] Had occupational vocational courses [overall and by general or special education setting]</p> <p>ntgHad_WS [_GPI,_SPI] Had /cooperative education courses [overall and by general or special education setting]</p> <p>ntgHad_PreV [_GPI,_SPI] Had prevocational courses [overall and by general or special education setting]</p> <p>ntgHad_LS [_GPI,_SPI] Had life skills courses [overall and by general or special education setting]</p>				

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgHad_Sup [_GPI,_SPI]		Had learning supports courses [overall and by general or special education setting]		
ntgHad_Oth [_GPI,_SPI]		Had other courses [overall and by general or special education setting]		
		Alternate coding: academic (see ntgHad_AltAc under content types)		
ntgHad_AltOV [_GPI,_SPI]		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntgHad_AltLS [_GPI,_SPI]		Alternate coding: life skills [overall and by general or special education setting]		
• ntgHad_ <i>[academic subject area]</i> ntgHad_ <i>[academic subject area]</i> _ <i>[setting]</i>	(created)	For each grade level [9-13 and ungraded], if student had courses in academic subject areas—overall and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b></p> <p>1 Yes 0 No</p> <p><b>Notes</b></p> <p>Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified</p> <p>Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general ed setting is indicated by the "<i>GPI</i>" suffix, special by "<i>SPI</i>," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p>	<p><b>Base</b></p> <p>All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntgHad_Eng [_GPI,_SPI]		Had English courses [overall and by general or special education setting]		
ntgHad_Math [_GPI,_SPI]		Had math courses [overall and by general or special education setting]		
ntgHad_MaBas [_GPI,_SPI]		Had basic-level math courses [overall and by general or special education setting]		
ntgHad_MaMid [_GPI,_SPI]		Had mid-level math courses [overall and by general or special education setting]		
ntgHad_MaAdv [_GPI,_SPI]		Had advanced-level math courses [overall and by general or special education setting]		
ntgHad_Sci [_GPI,_SPI]		Had science courses [overall and by general or special education setting]		
ntgHad_Soc [_GPI,_SPI]		Had social science courses [overall and by general or special education setting]		
ntgHad_Lang [_GPI,_SPI]		Had courses in foreign language courses [overall and by general or special education setting]		
ntgHad_AltMath		Alternate coding: math [overall and by general or special education setting]		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgHad_AltMaB [_GPI,_SPI]		Alternate coding: basic-level math [overall and by general or special education setting]		
ntgHad_AltEn [_GPI,_SPI]		Alternate coding: English [overall and by general or special education setting]		
ntgHad_UnkAc [_GPI,_SPI]		Had other/unspecified academic courses [overall and by general or special education setting]		
• ntgHad_ <i>[vocational subject area]</i> ntgHad_ <i>[vocational subject area]</i> _ <i>[setting]</i>	(created)	For each grade level [9-13 and ungraded], if student had courses in occupational vocational subject areas—overall and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> 1 Yes 0 No</p> <p><b>Notes</b> Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown</p> <p>Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general ed setting is indicated by the "<i>GPI</i>" suffix, special by "<i>SPI</i>," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntgHad_Agr [_GPI,_SPI]		Had agricultural related vocational courses [overall and by general or special education setting]		
ntgHad_Bus [_GPI,_SPI]		Had business related vocational courses [overall and by general or special education setting]		
ntgHad_Food [_GPI,_SPI]		Had food service and hospitality related vocational courses [overall and by general or special education setting]		
ntgHad_Hlth [_GPI,_SPI]		Had health related vocational courses [overall and by general or special education setting]		
ntgHad_Mktg [_GPI,_SPI]		Had marketing related vocational courses [overall and by general or special education setting]		
ntgHad_HmEc [_GPI,_SPI]		Had home economics related vocational courses [overall and by general or special education setting]		
ntgHad_Tech [_GPI,_SPI]		Had technology related vocational courses [overall and by general or special education setting]		
ntgHad_Trd		Had trade and industry related vocational		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]		courses [overall and by general or special education setting]		
ntgHad_Unk[_GPI,_SPI]		Had other/unspecified occupational vocational courses [overall and by general or special education setting]		
ntgHad_AltBus[_GPI,_SPI]		Alternate coding: business related vocational [overall and by general or special education setting]		
• ntgNbr_[content type] ntgNbr_[content type]_[setting]	(created)	For each grade level [9-13 and ungraded], number of courses in content types—overall, overall limited to those with a value for setting, and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b> Sum of courses in this grade in content type overall, overall limited to those with a value for setting, and by setting</p> <p>Content types are academic, vocational, or other content type</p> <p>Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic</p> <p>Setting is by general or special education; general setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntgNbr_Acad[_APL,_GPI,_SPI]		Number of academic courses [overall and by general or special education setting]		
ntgNbr_AnyV[_APL,_GPI,_SPI]		Number of vocational courses [overall and by general or special education setting]		
ntgNbr_OthC[_APL,_GPI,_SPI]		Number of other types of courses [overall and by general or special education setting]		
ntgNbr_AltAc[_APL,_GPI,_SPI]		Alternate coding: academics [overall and by general or special education setting]		
ntgNbr_AltV[_APL,_GPI,_SPI]		Alternate coding: vocational [overall and by general or special education setting]		
ntgNbr_AltOthC[_APL,_GPI,_SPI]		Alternate coding: other types of courses [overall and by general or special education setting]		
• ntgNbr_[content area] ntgNbr_[content area]_[setting]	(created)	For each grade level [9-13 and ungraded], number of courses in content areas—overall, overall limited to those with a value for setting, and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b> Sum of courses in this grade in content area overall, overall limited to those with a value for setting, and by setting</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left</p>

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>			<p>Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.</p> <p>Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic</p> <p>Setting is by general or special education; general ed setting is indicated by the "<i>GPI</i>" suffix, special by "<i>SPI</i>," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or <math>\neq 4</math> (setting other than special education) for each course</p>	secondary school at time of final transcript data collection]
<b>Content Area Courses (overall and by general or special education setting)</b>				
Number of academic courses (see ntgNbr_Acad under content types)				
ntgNbr_Arts [_APL,_GPI,_SPI]		Number of fine or performing arts courses [overall and by general or special education setting]		
ntgNbr_PE [_APL,_GPI,_SPI]		Number of physical education courses [overall and by general or special education setting]		
ntgNbr_OccV [_APL,_GPI,_SPI]		Number of occupational vocational courses [overall and by general or special education setting]		
ntgNbr_WS [_APL,_GPI,_SPI]		Number of work study/cooperative education courses [overall and by general or special education setting]		
ntgNbr_PreV [_APL,_GPI,_SPI]		Number of prevocational courses [overall and by general or special education setting]		
ntgNbr_LS [_APL,_GPI,_SPI]		Number of life skills courses [overall and by general or special education setting]		
ntgNbr_Sup [_APL,_GPI,_SPI]		Number of learning supports courses [overall and by general or special education setting]		
ntgNbr_Oth [_APL,_GPI,_SPI]		Number of other courses [overall and by general or special education setting]		
Alternate coding: academic (see ntgNbr_AltAc under content types)				
ntgNbr_AltOV [_APL,_GPI,_SPI]		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntgNbr_AltLS [_APL,_GPI,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntgNbr_[ <i>academic subject area</i> ] ntgNbr_[ <i>academic subject area</i> ][ <i>setting</i> ]	(created)	For each grade level [9-13 and ungraded], number of courses in academic subject areas—overall, overall limited to those with a value for setting, and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b> Sum of courses in this grade in academic subject area overall, overall limited to those with a value for setting, and by setting Academic subject areas are English, math—any level</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete<math>\neq</math> 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data</p>

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>			math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified  Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English  Setting is by general or special education; general ed setting is indicated by the " <i>GPI</i> " suffix, special by " <i>SPI</i> ," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	collection]
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntgNbr_Eng [_APL,_GPI,_SPI]	Number of English courses [overall and by general or special education setting]			
ntgNbr_Math [_APL,_GPI,_SPI]	Number of math courses [overall and by general or special education setting]			
ntgNbr_MaBas [_APL,_GPI,_SPI]	Number of basic-level math courses [overall and by general or special education setting]			
ntgNbr_MaMid [_APL,_GPI,_SPI]	Number of mid-level math courses [overall and by general or special education setting]			
ntgNbr_MaAdv [_APL,_GPI,_SPI]	Number of advanced-level math courses [overall and by general or special education setting]			
ntgNbr_Sci [_APL,_GPI,_SPI]	Number of science courses [overall and by general or special education setting]			
ntgNbr_Soc [_APL,_GPI,_SPI]	Number of social science courses [overall and by general or special education setting]			
ntgNbr_Lang [_APL,_GPI,_SPI]	Number of courses in foreign language courses [overall and by general or special education setting]			
ntgNbr_AltMath [_APL,_GPI,_SPI]	Alternate coding: math [overall and by general or special education setting]			
ntgNbr_AltMaB [_APL,_GPI,_SPI]	Alternate coding: basic-level math [overall and by general or special education setting]			
ntgNbr_AltEn [_APL,_GPI,_SPI]	Alternate coding: English [overall and by general or special education setting]			
ntgNbr_UnkAc [_APL,_GPI,_SPI]	Number of other/unspecified academic courses [overall and by general or special education setting]			
<ul style="list-style-type: none"> <li>ntgNbr_[<i>vocational subject area</i>] ntgNbr_[<i>vocational subject area</i>][_<i>setting</i>]</li> </ul>	(created)	For each grade level [9-13 and ungraded], number of courses in occupational vocational subject areas—overall, overall limited to those with a value for setting, and by general or special education setting—in this grade	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> Sum of courses in this grade in occupational vocational subject area overall, overall limited to those with a value for setting, and by setting  Occupational vocational subject areas are agricultural, business, food service and hospitality, health,	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING</b>				

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
<p><b>WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b></p> <p><b>Occupational Vocational Courses (overall and by general or special education setting)</b></p> <p>ntgNbr_Agr [_APL,_GPI,_SPI] Number of agricultural related vocational courses [overall and by general or special education setting]</p> <p>ntgNbr_Bus [_APL,_GPI,_SPI] Number of business related vocational courses [overall and by general or special education setting]</p> <p>ntgNbr_Food [_APL,_GPI,_SPI] Number of food service and hospitality related vocational courses [overall and by general or special education setting]</p> <p>ntgNbr_Hlth [_APL,_GPI,_SPI] Number of health related vocational courses [overall and by general or special education setting]</p> <p>ntgNbr_Mktg [_APL,_GPI,_SPI] Number of marketing related vocational courses [overall and by general or special education setting]</p> <p>ntgNbr_HmEc [_APL,_GPI,_SPI] Number of home economics related vocational courses [overall and by general or special education setting]</p> <p>ntgNbr_Tech [_APL,_GPI,_SPI] Number of technology related vocational courses [overall and by general or special education setting]</p> <p>ntgNbr_Trld [_APL,_GPI,_SPI] Number of trade and industry related vocational courses [overall and by general or special education setting]</p> <p>ntgNbr_Unk [_APL,_GPI,_SPI] Number of other/unspecified occupational vocational courses [overall and by general or special education setting]</p> <p>ntgNbr_AltBus [_APL,_GPI,_SPI] Alternate coding: business related vocational [overall and by general or special education setting]</p>			<p>marketing, home economics, technology, trade and industry, and other/unknown</p> <p>Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general ed setting is indicated by the "GPI" suffix, special by "SPI," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p>	
• ntgUnits	(created)	For each grade level [9-13 and ungraded], total number of Carnegie unit credits earned for courses in this grade	<p><b>Numeric Variable Values</b> Number of Carnegie unit credits</p> <p><b>Notes</b> Sum of credits (ntcUnits) earned in this grade in content type overall and by setting</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data]</p>

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Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
				collection]
<ul style="list-style-type: none"> <li>ntgUnits_API ntgUnits_GPI ntgUnits_SPL</li> </ul>	(created)	For each grade level [9-13 and ungraded], total number of Carnegie unit credits earned for courses in any setting (of those who have a value for general or special setting), general or special education setting in this grade	<p><b>Numeric Variable Values</b> Number of Carnegie unit credits</p> <p><b>Notes</b> Sum of credits (ntcUnits) earned in this grade in content type overall and by setting Use ntgUnits_API as denominator for percentage of units earned in general or special education setting Set ntgUnits_GPL to .s if ntgUnits_GPL is missing and ntg/Units_SPL &gt;= 0 Set ntgUnits_SPL to .s if ntgUnits_SPL is missing and ntg/Units_GPL &gt;= 0 Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.</p>	<p><b>Base</b> All Students with course level transcript data for this grade for both ntcUnits and ntcLevel Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<ul style="list-style-type: none"> <li>ntgUnits_[content type] ntgUnits_[content type]_[setting]</li> </ul>	(created)	For each grade level [9-13 and ungraded], number of Carnegie unit credits earned for courses in each content type—overall, overall limited to those with a value for setting, and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> Number of Carnegie unit credits</p> <p><b>Notes</b> Sum of credits (ntcUnits) earned in this grade in content type overall, overall limited to those with a value for setting, and by setting Content types are academic, vocational or other content area</p>	<p><b>Base</b> All Students with course level transcript data for this grade Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntgUnits_Acad [_API,_GPI,_SPL]	Credits earned in academic courses [overall and by general or special education setting]			
ntgUnits_AnyV [_API,_GPI,_SPL]	Credits earned in vocational courses [overall and by general or special education setting]		Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by	

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgUnits_OthC [_API,_GPI,_SPI]		Credits earned in other types of courses [overall and by general or special education setting]	"_SPI," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course Set to .s [skipped] if ntgHad_[type] = 0 [did not have this type of course] Set ntgUnits_[type]_GPI to .s if ntgHad_[type] > 0, ntgUnits_[type]_GPI is missing, and ntgUnits_[type]_SPI >= 0 Set ntgUnits_[type]_GPI to .s if ntgHad_[type] > 0, ntgUnits_[type]_SPI is missing, and ntgUnits_[type]_GPI >= 0 Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.	
ntgUnits_AltAc [_API,_GPI,_SPI]		Alternate coding: academic courses [overall and by general or special education setting]		
ntgUnits_AltV [_API,_GPI,_SPI]		Alternate coding: vocational courses [overall and by general or special education setting]		
ntgUnits_AltOthC [_API,_GPI,_SPI]		Alternate coding: other types of courses [overall and by general or special education setting]		
<ul style="list-style-type: none"> <li>ntgUnits_[content area]</li> <li>ntgUnits_[content area]_[setting]</li> </ul>	(created)	For each grade level [9-13 and ungraded], number of Carnegie unit credits earned for courses in each content area—overall, overall limited to those with a value for setting, and by general or special education setting—in this grade	<b>Numeric Variable Values</b> Number of Carnegie unit credits <b>Notes</b> Sum of credits (ntcUnits) earned in this grade in content area overall, overall limited to those with a value for setting, and by setting Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area. Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic Setting is by general or special education; general ed	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Credits earned in academic courses (see ntgUnits_Acad under content types)		
ntgUnits_Arts [_API,_GPI,_SPI]		Credits earned in fine or performing arts courses [overall and by general or special education setting]		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgUnits_PE		Credits earned in physical education courses [overall and by general or special education setting]	setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntgUnits_OccV [_API,_GPI,_SPI]		Credits earned in occupational vocational courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntgUnits_WS [_API,_GPI,_SPI]		Credits earned in work study/cooperative education courses [overall and by general or special education setting]	Set to .s [skipped] if ntgHad_[area] = 0 [did not have this area of course]	
ntgUnits_PreV [_API,_GPI,_SPI]		Credits earned in prevocational courses [overall and by general or special education setting]	Set ntgUnits_[area]_GPI to .s if ntgHad_[area] > 0, ntgUnits_[area]_GPI is missing, and ntgUnits_[area]_SPI >= 0	
ntgUnits_LS [_API,_GPI,_SPI]		Credits earned in life skills courses [overall and by general or special education setting]	Set ntgUnits_[area]_GPI to .s if ntgHad_[area] > 0, ntgUnits_[area]_SPI is missing, and ntgUnits_[area]_GPI >= 0	
ntgUnits_Sup [_API,_GPI,_SPI]		Credits earned in learning supports courses [overall and by general or special education setting]	Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this area of course but no units were earned and a value of ".s" means student did not take any courses of this area. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this area of course but did not earn any credits as well as those who did not take this area of course.	
ntgUnits_Oth [_API,_GPI,_SPI]		Credits earned in other types of courses [overall and by general or special education setting]		
ntgUnits_AltOV [_API,_GPI,_SPI]		Alternate coding: academic (see ntgUnits_AltAc under content types) Alternate coding: occupational vocational [overall and by general or special education setting]		
ntgUnits_AltLS [_API,_GPI,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntgUnits_[ <i>academic subject area</i> ] ntgUnits_[ <i>academic subject area</i> ][ <i>setting</i> ]	(created)	For each grade level [9-13 and ungraded], number of Carnegie unit credits earned for courses in each academic subject area—overall, overall limited to those with a value for setting, and by general or special education setting—in this grade	<b>Numeric Variable Values</b> Number of Carnegie unit credits  <b>Notes</b> Sum of credits (ntcUnits) earned in this grade in academic subject area overall, overall limited to those with a value for setting, and by setting  Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified  Subject areas are assigned using content areas from	
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b> <b>Academic Subjects Courses</b> <b>(overall and by general or special education setting)</b>				

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgUnits_Eng [_API,_GPI,_SPI]		Credits earned in English courses [overall and by general or special education setting]	ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course  Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this subject of course]  Set ntgUnits_[subject]_GPI to .s if ntgHad_[subject] > 0, ntgUnits_[subject]_GPI is missing, and ntgUnits_[subject]_SPI >= 0  Set ntgUnits_[subject]_GPI to .s if ntgHad_[subject] > 0, ntgUnits_[subject]_SPI is missing, and ntgUnits_[subject]_GPI >= 0  Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this subject of course but no units were earned and a value of ".s" means student did not take any courses of this subject. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this subject of course but did not earn any credits as well as those who did not take this subject of course.	
ntgUnits_Math [_API,_GPI,_SPI]		Credits earned in math courses [overall and by general or special education setting]		
ntgUnits_MaBas [_API,_GPI,_SPI]		Credits earned in basic-level math courses [overall and by general or special education setting]		
ntgUnits_MaMid [_API,_GPI,_SPI]		Credits earned in mid-level math courses [overall and by general or special education setting]		
ntgUnits_MaAdv [_API,_GPI,_SPI]		Credits earned in advanced-level math courses [overall and by general or special education setting]		
ntgUnits_Sci [_API,_GPI,_SPI]		Credits earned in science courses [overall and by general or special education setting]		
ntgUnits_Soc [_API,_GPI,_SPI]		Credits earned in social science courses [overall and by general or special education setting]		
ntgUnits_Lang [_API,_GPI,_SPI]		Credits earned in foreign language courses [overall and by general or special education setting]		
ntgUnits_AltMath [_API,_GPI,_SPI]		Alternate coding: math [overall and by general or special education setting]		
ntgUnits_AltMaB [_API,_GPI,_SPI]		Alternate coding: basic-level math [overall and by general or special education setting]		
ntgUnits_AltEn [_API,_GPI,_SPI]		Alternate coding: English [overall and by general or special education setting]		
ntgUnits_UnkAc [_API,_GPI,_SPI]		Credits earned in other/unspecified academic courses [overall and by general or special education setting]		
<ul style="list-style-type: none"> <li>ntgUnits_[vocational subject area]</li> <li>ntgUnits_[vocational subject area]_[setting]</li> </ul>	(created)	For each grade level [9-13 and ungraded], number of Carnegie unit credits earned for courses in each vocational subject area—overall, overall limited to those with a value for setting, and by general or	<b>Numeric Variable Values</b> Number of Carnegie unit credits  <b>Notes</b> Sum of credits (ntcUnits) earned in this grade in occupational vocational subject area overall, overall limited to those with a value for setting, and by	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		special education setting—in this grade	setting	secondary school at time of final transcript data collection]
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>			Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown	
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>			Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English	
ntgUnits_Agr [_API,_GPI,_SPI]	Credits earned in agricultural related vocational courses [overall and by general or special education setting]		Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntgUnits_Bus [_API,_GPI,_SPI]	Credits earned in business related vocational courses [overall and by general or special education setting]		General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntgUnits_Food [_API,_GPI,_SPI]	Credits earned in food service and hospitality related vocational courses [overall and by general or special education setting]		Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this subject of course]	
ntgUnits_Hlth [_API,_GPI,_SPI]	Credits earned in health related vocational courses [overall and by general or special education setting]		Set ntgUnits_[subject]_GPI to .s if ntgHad_[subject] > 0, ntgUnits_[subject]_GPI is missing, and ntgUnits_[subject]_SPI >= 0	
ntgUnits_Mktg [_API,_GPI,_SPI]	Credits earned in marketing related vocational courses [overall and by general or special education setting]		Set ntgUnits_[subject]_GPI to .s if ntgHad_[subject] > 0, ntgUnits_[subject]_SPI is missing, and ntgUnits_[subject]_GPI >= 0	
ntgUnits_HmEc [_API,_GPI,_SPI]	Credits earned in home economics related vocational courses [overall and by general or special education setting]		Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this subject of course but no units were earned and a value of ".s" means student did not take any courses of this subject. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this subject of course but did not earn any credits as well as those who did not take this subject of course.	
ntgUnits_Tech [_API,_GPI,_SPI]	Credits earned in technology related vocational courses [overall and by general or special education setting]			
ntgUnits_Trd [_API,_GPI,_SPI]	Credits earned in trade and industry related vocational courses [overall and by general or special education setting]			
ntgUnits_Unk [_API,_GPI,_SPI]	Credits earned in other/unspecified occupational vocational courses [overall and by general or special education setting]			
ntgUnits_AltBus [_API,_GPI,_SPI]	Alternate coding: business related vocational [overall and by general or special education setting]			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
<ul style="list-style-type: none"> <li>ntgPctUnits_GPI ntgPctUnits_SPI</li> </ul>	(created)	For each grade level [9-13 and ungraded], percentage of Carnegie unit credits youth earned for courses in general or special education setting in this grade	<p><b>Numeric Variable Values</b> Overall percentage of Carnegie unit credits earned in this grades</p> <p><b>Notes</b> Calculated as sum of all credits earned in [general/special] setting divided by sum of all credits with a value for setting earned in these grades (ntgUnits_[GPL/SPL]) / ntgUnits_API X 100 General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course Set ntgPctUnits_GPL to .s if ntgUnit_GPL is missing and ntgUnit_SPL &gt;= 0 Set ntgPctUnits_SPL to .s if ntgUnit_SPL is missing and ntgUnit_GPL &gt;= 0 Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
ntgPctUnits_GPI	Percentage of units earned in general education setting			
ntgPctUnits_SPI	Percentage of units earned in special education setting			
<ul style="list-style-type: none"> <li>ntgPctUnit_[content type] ntgPctUnit_[content type]_[setting]</li> </ul>	(created)	For each grade level [9-13 and ungraded], percentage of Carnegie unit credits earned for courses in each content type—overall and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in this grade</p> <p><b>Notes</b> Sum of credits earned in content type overall divided by sum of all credits earned (ntgUnits_[type] / ntgUnits_API) X 100 Sum of credits earned in content type in each setting (general or special education) divided by sum of all credits earned with a value for setting (ntgUnits_[type]_[GPL/SPL] / ntgUnits_API) X 100 Content types are academic, vocational or other content area</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntgPctUnit_Acad [_GPI,_SPI]	Percentage of credits earned in academic courses [overall and by general or special education setting]			
ntgPctUnit_AnyV	Percentage of credits earned in vocational			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]	courses [overall and by general or special education setting]		<p>Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p> <p>Set to .s [skipped] if ntgHad_[type] = 0 [did not have this type of course]</p> <p>Set ntgPctUnit_[type]_GPI to .s if ntgHad_[type] &gt; 0, ntgPctUnit_[type]_GPI is missing, and ntgPctUnit_[type]_SPI &gt;= 0</p> <p>Set ntgPctUnit_[type]_GPI to .s if ntgHad_[type] &gt; 0, ntgPctUnit_[type]_SPI is missing, and ntgPctUnit_[type]_GPI &gt;= 0</p> <p>Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.</p>	
ntgPctUnit_OthC [_GPI,_SPI]	Percentage of credits earned in other types of courses [overall and by general or special education setting]			
ntgPctUnit_AltAc [_GPI,_SPI]	Alternate coding: academic courses [overall and by general or special education setting]			
ntgPctUnit_AltV [_GPI,_SPI]	Alternate coding: vocational courses [overall and by general or special education setting]			
ntgPctUnit_AltOthC [_GPI,_SPI]	Alternate coding: other types of courses [overall and by general or special education setting]			
• ntgPctUnit_[content type]_W_[setting]	(created)	For each grade level [9-13 and ungraded], percentage of Carnegie unit credits earned in general or special education setting within each content type in this grade	<p><b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in this setting</p> <p><b>Notes</b> Sum of credits earned in each setting (general or special education) within content type divided by sum of credits earned with a value for setting within content type (ntgUnits_[type]_[GPL/SPL] / ntgUnits_[type]_API) X 100</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntgPctUnit_Acad_W_	Of those in academic courses, percentage of			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[GPI/SPI]		credits earned in general and special setting	Content types are academic, vocational or other content area	
ntgPctUnit_AnyV_W _ [GPI/SPI]		Of those in vocational courses, percentage of credits earned in general and special setting	Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic	
ntgPctUnit_OthC_W_ [GPI/SPI]		Of those in other types of courses, percentage of credits earned in general and special setting	Setting is by general or special education; general setting is indicated by the "_GPI" suffix, special by "_SPL"	
ntgPctUnit_AltAc_W _ [GPI/SPI]		Alternate coding: academic courses [overall and by general or special setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntgPctUnit_AltV_W_ [GPI/SPI]		Alternate coding: vocational courses [overall and by general or special setting]	Set ntgPctUnit_[type]_W_GPL to .s if ntgPctUnit_[type]_W_GPL is missing and ntgPctUnit_[type]_W_SPL >= 0	
ntgPctUnit_AltOthC_ W_ [GPI/SPI]		Alternate coding: other types of courses [overall and by general or special setting]	Set ntgPctUnit_[type]_W_SPL to .s if ntgPctUnit_[type]_W_SPL is missing and ntgPctUnit_[type]_W_GPL >= 0	
			Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.  ntgPctUnit_[type]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntgPctUnit_[type] for items overall (not by setting)	
• ntgPctUnit_[content area] ntgPctUnit_[content area]_[setting]	(created)	For each grade level [9-13 and ungraded], percentage of Carnegie unit credits earned for courses in each content area—overall and by general or special education setting—	<b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in this grade  <b>Notes</b> Sum of credits earned in content area overall divided	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		in this grade	by sum of all credits earned (ntgUnits_ <i>area</i> / ntgUnits_API) X 100	13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Percentage of credits earned in academic courses (see ntgPctUnit_Acad under content types)	Sum of credits earned in content area in each setting (general or special education) divided by sum of all credits earned with a value for setting (ntgUnits_ <i>area</i> _[GPL/SPL] / ntgUnits_API) X 100	
ntgPctUnit_Arts [_GPL,_SPI]		Percentage of credits earned in fine or performing arts courses [overall and by general or special education setting]	Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.	
ntgPctUnit_PE [_GPL,_SPI]		Percentage of credits earned in physical education courses [overall and by general or special education setting]	Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic	
ntgPctUnit_OccV [_GPL,_SPI]		Percentage of credits earned in occupational vocational courses [overall and by general or special education setting]	Setting is by general or special education; general setting is indicated by the "_GPL" suffix, special by "_SPI," and overall has no variable suffix.	
ntgPctUnit_WS [_GPL,_SPI]		Percentage of credits earned in work study/cooperative education courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntgPctUnit_PreV [_GPL,_SPI]		Percentage of credits earned in prevocational courses [overall and by general or special education setting]	Set to .s [skipped] if ntgHad_ <i>area</i> = 0 [did not have this type of course]	
ntgPctUnit_LS [_GPL,_SPI]		Percentage of credits earned in life skills courses [overall and by general or special education setting]	Set ntgPctUnit_ <i>area</i> _GPL to .s if ntgHad_ <i>area</i> > 0, ntgPctUnit_ <i>area</i> _GPL is missing, and ntgPctUnit_ <i>area</i> _SPI >= 0	
ntgPctUnit_Sup [_GPL,_SPI]		Percentage of credits earned in learning supports courses [overall and by general or special education setting]	Set ntgPctUnit_ <i>area</i> _GPL to .s if ntgHad_ <i>area</i> > 0, ntgPctUnit_ <i>area</i> _SPI is missing, and ntgPctUnit_ <i>area</i> _GPL >= 0	
ntgPctUnit_Oth [_GPL,_SPI]		Percentage of credits earned in other types of courses [overall and by general or special education setting]	Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as	
		Alternate coding: academic (see ntgPctUnit_AltAc under content types)		
ntgPctUnit_AltOV [_GPL,_SPI]		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntgPctUnit_AltLS [_GPL,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			those who did not take this type of course.	
• ntgPctUnit_ <i>[content area]</i> _W_ <i>[setting]</i>	(created)	For each grade level [9-13 and ungraded], percentage of Carnegie unit credits earned in general or special education setting within each content area in this grade	<p><b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in this setting</p> <p><b>Notes</b> Sum of credits earned in each setting (general or special education) within content area divided by sum of credits earned with a value for setting within content area (ntgUnits_<i>[area]</i>_[GPL/SPL] / ntgUnits_<i>[area]</i>_API) X 100</p> <p>Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.</p> <p>Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPL".</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p> <p>Set ntgPctUnit_<i>[area]</i>_W_GPL to .s if ntgPctUnit_<i>[area]</i>_W_GPL is missing and ntgPctUnit_<i>[area]</i>_W_SPL &gt;= 0</p> <p>Set ntgPctUnit_<i>[area]</i>_W_SPL to .s if ntgPctUnit_<i>[area]</i>_W_SPL is missing and ntgPctUnit_<i>[area]</i>_W_GPL &gt;= 0</p> <p>Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Of those in academic courses, percentage of credits earned in general and special setting		
ntgPctUnit_Art_W_[GPI/SPI]		Of those in fine or performing arts courses, percentage of credits earned in general and special setting		
ntgPctUnit_PE_W_[GPI/SPI]		Of those in physical education courses, percentage of credits earned in general and special setting		
ntgPctUnit_OccV_W_[GPI/SPI]		Percentage of credits earned in occupational vocational courses [overall and by general or special setting]		
ntgPctUnit_WS_W_[GPI/SPI]		Of those in work study/cooperative education courses, percentage of credits earned in general and special setting		
ntgPctUnit_PreV_W_[GPI/SPI]		Of those in prevocational courses, percentage of credits earned in general and special setting		
ntgPctUnit_LS_W_[GPI/SPI]		Of those in life skills courses, percentage of credits earned in general and special setting		
ntgPctUnit_Sup_W_[GPI/SPI]		Of those in learning supports courses, percentage of credits earned in general and special setting		
ntgPctUnit_Oth_W_[GPI/SPI]		Of those in other types of courses, percentage of credits earned in general and special setting		
		Alternate coding: academic (see ntgPctUnit_AltAc under content types)		
ntgPctUnit_AltOV_W_[GPI/SPI]		Alternate coding: occupational vocational [overall and by general or special setting]		
ntgPctUnit_AltLS_W		Alternate coding: life skills courses [overall		

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Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.  ntgPctUnit_[area] _w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntgPctUnit_[area] for items overall (not by setting)	
<ul style="list-style-type: none"> <li>ntgPctUnit_[<i>academic subject area</i>]</li> <li>ntgPctUnit_[<i>academic subject area</i>][_setting]</li> </ul>	(created)	For each grade level [9-13 and ungraded], percentage of Carnegie unit credits earned for courses in each academic subject area—overall and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in this grade</p> <p><b>Notes</b> Sum of credits earned in subject area overall divided by sum of all credits earned (ntgUnits_[<i>subject</i>] / ntgUnits_API) X 100</p> <p>Sum of credits earned in subject area in each setting (general or special education) divided by sum of all credits earned with a value for setting (ntgUnits_[<i>subject</i>][_GPL/SPL] / ntgUnits_API) X 100</p> <p>Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified</p> <p>Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPL," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p> <p>Set to .s [skipped] if</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntgPctUnit_Eng[_GPI,_SPL]	Percentage of credits earned in English courses [overall and by general or special education setting]			
ntgPctUnit_Math[_GPI,_SPL]	Percentage of credits earned in math courses [overall and by general or special education setting]			
ntgPctUnit_MaBas[_GPI,_SPL]	Percentage of credits earned in basic-level math courses [overall and by general or special education setting]			
ntgPctUnit_MaMid[_GPI,_SPL]	Percentage of credits earned in mid-level math courses [overall and by general or special education setting]			
ntgPctUnit_MaAdv[_GPI,_SPL]	Percentage of credits earned in advanced-level math courses [overall and by general or special education setting]			
ntgPctUnit_Sci[_GPI,_SPL]	Percentage of credits earned in science courses [overall and by general or special education setting]			
ntgPctUnit_Soc[_GPI,_SPL]	Percentage of credits earned in social science courses [overall and by general or special education setting]			
ntgPctUnit_Lang[_GPI,_SPL]	Percentage of credits earned in foreign language courses [overall and by general or			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgPctUnit_AltMath [_GPI,_SPI]	special education setting]	Alternate coding: math [overall and by general or special education setting]	ntgHad_[ <i>subject</i> ] = 0 [did not have this type of course]	
ntgPctUnit_AltMaB [_GPI,_SPI]	Alternate coding: basic-level math [overall and by general or special education setting]	Alternate coding: English [overall and by general or special education setting]	Set ntgPctUnit_[ <i>subject</i> ] <sub>GPI</sub> to .s if ntgHad_[ <i>subject</i> ] > 0, ntgPctUnit_[ <i>subject</i> ] <sub>GPI</sub> is missing, and ntgPctUnit_[ <i>subject</i> ] <sub>SPI</sub> >= 0	
ntgPctUnit_AltEn [_GPI,_SPI]	Alternate coding: English [overall and by general or special education setting]	Alternate coding: English [overall and by general or special education setting]	Set ntgPctUnit_[ <i>subject</i> ] <sub>GPI</sub> to .s if ntgHad_[ <i>subject</i> ] > 0, ntgPctUnit_[ <i>subject</i> ] <sub>SPI</sub> is missing, and ntgPctUnit_[ <i>subject</i> ] <sub>GPI</sub> >= 0	
ntgPctUnit_UnkAc [_GPI,_SPI]	Percentage of credits earned in other/unspecified courses [overall and by general or special education setting]	Percentage of credits earned in other/unspecified courses [overall and by general or special education setting]	Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.	
• ntgPctUnit_[ <i>academic subject area</i> ] <sub>W</sub> _[ <i>setting</i> ]	(created)	For each grade level [9-13 and ungraded], percentage of Carnegie unit credits earned in general or special education setting within each academic subject area in this grade	<b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in this setting	<b>Base</b> All Students with course level transcript data for this grade
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>			<b>Notes</b> Sum of credits earned in each setting (general or special education) within subject area divided by sum of credits earned with a value for setting within subject area (ntgUnits_[ <i>subject</i> ] <sub>[GPL/SPL]</sub> / ntgUnits_[ <i>subject</i> ] <sub>[API]</sub> ) X 100  Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified  Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English	Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntgPctUnit_Eng_W_[GPI/SPI]	Of those in English courses, percentage of credits earned in general and special setting			
ntgPctUnit_Math_W_[GPI/SPI]	Of those in math courses, percentage of credits earned in general and special setting			
ntgPctUnit_MaBas_W_[GPI/SPI]	Of those in basic-level math courses, percentage of credits earned in general and special setting			
ntgPctUnit_MaMid_W_[GPI/SPI]	Of those in mid-level math courses, percentage of credits earned in general and special setting			
ntgPctUnit_MaAdv_W_[GPI/SPI]	Of those in advanced-level math courses, percentage of credits earned in general and			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgPctUnit_Sci_W_[GPI/SPI]	special setting Of those in science courses, percentage of credits earned in general and special setting	Setting is by general or special education; general setting is indicated by the "_GPI" suffix, special by "_SPI"		
ntgPctUnit_Soc_W_[GPI/SPI]	Of those in social science courses, percentage of credits earned in general and special setting	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course		
ntgPctUnit_Lang_W_[GPI/SPI]	Of those in foreign language courses, percentage of credits earned in general and special setting	Set ntgPctUnit_[subject]_W_GPL to .s if ntgPctUnit_[subject]_W_GPL is missing and ntgPctUnit_[subject]_W_SPL >= 0		
ntgPctUnit_AltMath_W_[GPI/SPI]	Alternate coding: math [overall and by general or special education setting]	Set ntgPctUnit_[subject]_W_SPL to .s if ntgPctUnit_[subject]_W_SPL is missing and ntgPctUnit_[subject]_W_GPL >= 0		
ntgPctUnit_AltMaB_W_[GPI/SPI]	Alternate coding: basic-level math [overall and by general or special education setting]	Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.		
ntgPctUnit_AltEn_W_[GPI/SPI]	Alternate coding: English [overall and by general or special education setting]	ntgPctUnit_[subject]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntgPctUnit_[subject] for items overall (not by setting)		
ntgPctUnit_UnkAc_W_[GPI/SPI]	Of those in other/unspecified courses, percentage of credits earned in general and special setting			
• ntgPctUnit_[vocational subject area] ntgPctUnit_[vocational subject area]_[setting]	(created)	For each grade level [9-13 and ungraded], percentage of Carnegie unit credits earned for courses in each vocational subject area—overall and by general or special education setting—in this grade	<b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in this grade  <b>Notes</b> Sum of credits earned in subject area overall divided by sum of all credits earned (ntgUnits_[subject] / ntgUnits_API) X 100  Sum of credits earned in subject area in each setting (general or special education) divided by sum of all credits earned with a value for setting (ntgUnits_[subject]_[GPL/SPL] / ntgUnits_API) X 100	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntgPctUnit_Agr[_GPI,_SPI]	Percentage of credits earned in agricultural related vocational courses [overall and by			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgPctUnit_Bus [_GPI,_SPI]		general or special education setting] Percentage of credits earned in business related vocational courses [overall and by general or special education setting]	Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown	
ntgPctUnit_Food [_GPI,_SPI]		Percentage of credits earned in food service and hospitality related vocational courses [overall and by general or special education setting]	Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English	
ntgPctUnit_Hlth [_GPI,_SPI]		Percentage of credits earned in health related vocational courses [overall and by general or special education setting]	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntgPctUnit_Mktg [_GPI,_SPI]		Percentage of credits earned in marketing related vocational courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntgPctUnit_HmEc [_GPI,_SPI]		Percentage of credits earned in home economics related vocational courses [overall and by general or special education setting]	Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this type of course]	
ntgPctUnit_Tech [_GPI,_SPI]		Percentage of credits earned in technology related vocational courses [overall and by general or special education setting]	Set ntgPctUnit_[subject]_GPI to .s if ntgHad_[subject] > 0, ntgPctUnit_[subject]_GPI is missing, and ntgPctUnit_[subject]_SPI >= 0	
ntgPctUnit_Trd [_GPI,_SPI]		Percentage of credits earned in trade and industryrelated vocational courses [overall and by general or special education setting]	Set ntgPctUnit_[subject]_GPI to .s if ntgHad_[subject] > 0, ntgPctUnit_[subject]_SPI is missing, and ntgPctUnit_[subject]_GPI >= 0	
ntgPctUnit_Unk [_GPI,_SPI]		Percentage of credits earned in other/unspecified occupational vocational courses [overall and by general or special education setting]	Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.	
ntgPctUnit_AltBus [_GPI,_SPI]		Alternate coding: business related vocational [overall and by general or special education setting]		
• ntgPctUnit_[occupatio nal vocational subject	(created)	For each grade level [9-13 and ungraded], percentage of	<b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in this	<b>Base</b> All Students with course level transcript data for this

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
area]_W_[setting]		Carnegie unit credits earned in general or special education setting within each occupational vocational subject area in this grade	setting  <b>Notes</b> Sum of credits earned in each setting (general or special education) within subject area divided by sum of credits earned with a value for setting within subject area (ntgUnits_[subject]_[GPL/SPL] / ntgUnits_[subject]_API) X 100	grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntgPctUnit_Agr_W_[GPI/SPI]	Of those in agricultural related vocational courses, percentage of credits earned in general and special setting	Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown		
ntgPctUnit_Bus_W_[GPI/SPI]	Of those in business related vocational courses, percentage of credits earned in general and special setting	Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English		
ntgPctUnit_Food_W_[GPI/SPI]	Of those in food service and hospitality related vocational courses, percentage of credits earned in general and special setting	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPL"		
ntgPctUnit_Hlth_W_[GPI/SPI]	Of those in health related vocational courses, percentage of credits earned in general and special setting	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course		
ntgPctUnit_Mktg_W_[GPI/SPI]	Of those in marketing related vocational courses, percentage of credits earned in general and special setting	Set ntgPctUnit_[subject]_W_GPL to .s if ntgPctUnit_[subject]_W_GPL is missing and ntgPctUnit_[subject]_W_SPL >= 0		
ntgPctUnit_HmEc_W_[GPI/SPI]	Of those in home economics related vocational courses, percentage of credits earned in general and special setting	Set ntgPctUnit_[subject]_W_SPL to .s if ntgPctUnit_[subject]_W_SPL is missing and ntgPctUnit_[subject]_W_GPL >= 0		
ntgPctUnit_Tech_W_[GPI/SPI]	Of those in technology related vocational courses, percentage of credits earned in general and special setting	Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have		
ntgPctUnit_Trd_W_[GPI/SPI]	Of those in trade and industry courses, percentage of credits earned in general and special setting Percentage of credits earned in related vocational courses [overall and by general or special education setting]			
ntgPctUnit_Unk_W_[GPI/SPI]	Of those in other/unspecified occupational vocational courses, percentage of credits earned in general and special setting			
ntgPctUnit_AltBus_W_[GPI/SPI]	Alternate coding: business related vocational [overall and by general or special education			

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Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		setting]	a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.  ntgPctUnit_[subject] _w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntgPctUnit_[subject] for items overall (not by setting)	
• ntgHrs	(created)	For each grade level [9-13 and ungraded], total number of course hours in this grade	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> Sum of ntcHrs (hours) in this grade	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
• ntgHrs_API ntgHrs_GPI ntgHrs_SPI	(created)	For each grade level [9-13 and ungraded], total number of course hours in any setting (of those who have a value for general or special setting), and in general and special education setting in this grade	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> Sum of ntcHrs (hours) in this grade  Use ntgHrs_API as denominator for percentage of time in general or special education setting	<b>Base</b> All Students with course level transcript data for this grade for both ntcHrs and ntcLevel  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
• ntgHrs_GPI_ZF ntgHrs_SPI_ZF	(created)	For each grade level [9-13 and ungraded], total number of course hours in each setting in this grade; zero filled for calculating means	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> ntgHrs_[setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing  Set ntgHrs_GPI_ZF to 0 if ntgHrs_GPI is missing and ntgHrs_SPI >= 0  Set ntgHrs_GPI_ZF to 0 if ntgHrs_SPI is missing and ntgHrs_GPI >= 0	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
• ntgHrs_[content type] ntgHrs_[content type]_[setting]	(created)	For each grade level [9-13 and ungraded], number of course hours in content types—overall, overall limited to those with a value for setting,	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> Sum of ntcHrs (hours) in this grade in content type	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		and by general or special education setting—in this grade	overall, overall limited to those with a value for setting, and by setting Content types are academic, vocational, or other content type	[transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntgHrs_Acad [_API,_GPI,_SPI]	Hours in academic courses [overall and by general or special education setting]		Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic	
ntgHrs_AnyV [_API,_GPI,_SPI]	Hours in vocational courses [overall and by general or special education setting]		Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntgHrs_OthC [_API,_GPI,_SPI]	Hours in other types of courses [overall and by general or special education setting]		General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntgHrs_AltAc [_API,_GPI,_SPI]	Alternate coding: academics [overall and by general or special education setting]		Set to .s [skipped] if ntgHad_ <i>[type]</i> = 0 [did not have this type of course]	
ntgHrs_AltV [_API,_GPI,_SPI]	Alternate coding: vocational [overall and by general or special education setting]			
ntgHrs_AltOthC [_API,_GPI,_SPI]	Alternate coding: other types of courses [overall and by general or special education setting]			
• ntgHrs_ <i>[content type]</i> _ZF ntgHrs_ <i>[content type]</i> _ <i>[setting]</i> _ZF	(created)	For each grade level [9-13 and ungraded], number of course hours in content types—overall and by general or special education setting—in this grade; zero filled for calculating means	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> ntgHrs_ <i>[content type]</i> _ <i>[setting]</i> zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing Set ntgHrs_ <i>[content type]</i> _ZF and ntgHrs_ <i>[content type]</i> _ <i>[setting]</i> _ZF to 0 if ntgUnits > 0 and ntgHad_ <i>[content type]</i> = 0 (reported units but did not have this type of course) Set ntgHrs_ <i>[content type]</i> _GPI_ZF to 0 if ntgHad_ <i>[content type]</i> , ntgHrs_ <i>[content type]</i> _GPI is missing, and ntgHrs_ <i>[content type]</i> _SPI >= 0 Set ntgHrs_ <i>[content type]</i> _GPI_ZF to 0 if ntgHad_ <i>[content type]</i> > 0, ntgHrs_ <i>[content type]</i> _SPI is missing, and ntgHrs_ <i>[content type]</i> _GPI >= 0	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntgHrs_Acad [_GPI,_SPI]_ZF	Hours in academic courses [overall and by general or special education setting]			
ntgHrs_AnyV [_GPI,_SPI]_ZF	Hours in vocational courses [overall and by general or special education setting]			
ntgHrs_OthC [_GPI,_SPI]_ZF	Hours in other types of courses [overall and by general or special education setting]			
ntgHrs_AltAc [_GPI,_SPI]_ZF	Alternate coding: academics [overall and by general or special education setting]			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgHrs_AltV [_GPI,_SPI]_ZF		Alternate coding: vocational [overall and by general or special education setting]		
ntgHrs_AltOthC [_GPI,_SPI]_ZF		Alternate coding: other types of courses [overall and by general or special education setting]		
• ntgHrs_[content area] ntgHrs_[content area]_[setting]	(created)	For each grade level [9-13 and ungraded], number of course hours in content areas—overall, overall limited to those with a value for setting, and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b> Sum of ntcHrs (hours) in this grade in content area overall, overall limited to those with a value for setting, and by setting Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area. Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic Setting is by general or special education; general setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course Set to .s [skipped] if ntgHad_[area] = 0 [did not have this type of course]</p>	<p><b>Base</b> All Students with course level transcript data for this grade Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Hours in academic courses (see ntgHrs_Acad under content types)		
ntgHrs_Arts [_API,_GPI,_SPI]		Hours in fine or performing arts courses [overall and by general or special education setting]		
ntgHrs_PE [_API,_GPI,_SPI]		Hours in physical education courses [overall and by general or special education setting]		
ntgHrs_OccV [_API,_GPI,_SPI]		Hours in occupational vocational courses [overall and by general or special education setting]		
ntgHrs_WS [_API,_GPI,_SPI]		Hours in work study/cooperative education courses [overall and by general or special education setting]		
ntgHrs_PreV [_API,_GPI,_SPI]		Hours in prevocational courses [overall and by general or special education setting]		
ntgHrs_LS [_API,_GPI,_SPI]		Hours in life skills courses [overall and by general or special education setting]		
ntgHrs_Sup [_API,_GPI,_SPI]		Hours in learning supports courses [overall and by general or special education setting]		
ntgHrs_Oth [_API,_GPI,_SPI]		Hours in other courses [overall and by general or special education setting]		
		Alternate coding: academic (see		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgHrs_AltOV [_API,_GPI,_SPI]	ntgHrs_AltAc under content types)	Alternate coding: occupational vocational [overall and by general or special education setting]		
ntgHrs_AltLS [_API,_GPI,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntgHrs_ <i>content area</i> _ZF ntgHrs_ <i>content area</i> [_ <i>setting</i> ] <sub>ZF</sub>	(created)	For each grade level [9-13 and ungraded], number of course hours in content areas—overall and by general or special education setting—in this grade; zero filled for calculating means	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b> ntgHrs_<i>content area</i>[_<i>setting</i>] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing</p> <p>Set ntgHrs_<i>Content area</i>_ZF and ntgHrs_<i>Content area</i>[_<i>setting</i>]<sub>ZF</sub> to 0 if ntgUnits &gt; 0 and ntgHad_<i>Content area</i> = 0 (reported units but did not have this type of course)</p> <p>Set ntgHrs_<i>content area</i>_GPI_ZF to 0 if ntgHad_<i>Content area</i> &gt; 0, ntgHrs_<i>content area</i>_GPI is missing, and ntgHrs_<i>content area</i>_SPI &gt;= 0</p> <p>Set ntgHrs_<i>content area</i>_GPI_ZF to 0 if ntgHad_<i>Content area</i> &gt; 0, ntgHrs_<i>content area</i>_SPI is missing, and ntgHrs_<i>content area</i>_GPI &gt;= 0</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Hours in academic courses (see ntgHrs_Acad under content types)		
ntgHrs_Arts [_GPI,_SPI] <sub>ZF</sub>		Hours in fine or performing arts courses [overall and by general or special education setting]		
ntgHrs_PE [_GPI,_SPI] <sub>ZF</sub>		Hours in physical education courses [overall and by general or special education setting]		
ntgHrs_OccV [_GPI,_SPI] <sub>ZF</sub>		Hours in occupational vocational courses [overall and by general or special education setting]		
ntgHrs_WS [_GPI,_SPI] <sub>ZF</sub>		Hours in work study/cooperative education courses [overall and by general or special education setting]		
ntgHrs_PreV [_GPI,_SPI] <sub>ZF</sub>		Hours in prevocational courses [overall and by general or special education setting]		
ntgHrs_LS [_GPI,_SPI] <sub>ZF</sub>		Hours in life skills courses [overall and by general or special education setting]		
ntgHrs_Sup [_GPI,_SPI] <sub>ZF</sub>		Hours in learning supports courses [overall and by general or special education setting]		
ntgHrs_Oth [_GPI,_SPI] <sub>ZF</sub>		Hours in other courses [overall and by general or special education setting]		
		Alternate coding: academic (see Hrs_AltAc under content types)		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgHrs_AltOV [_GPI,_SPI]_ZF		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntgHrs_AltLS [_GPI,_SPI]_ZF		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntgHrs_ <i>[academic subject area]</i> ntgHrs_ <i>[academic subject area]_[setting]</i>	(created)	For each grade level [9-13 and ungraded], number of course hours in academic subject areas—overall, overall limited to those with a value for setting, and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b> Sum of ntcHrs (hours) in this grade in academic subject area overall, overall limited to those with a value for setting, and by setting Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course Set to .s [skipped] if ntgHad_<i>[subject]</i> = 0 [did not have this type of course]</p>	<p><b>Base</b> All Students with course level transcript data for this grade Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntgHrs_Eng [_API,_GPI,_SPI]		Hours in English courses [overall and by general or special education setting]		
ntgHrs_Math [_API,_GPI,_SPI]		Hours in math courses [overall and by general or special education setting]		
ntgHrs_MaBas [_API,_GPI,_SPI]		Hours in basic-level math courses [overall and by general or special education setting]		
ntgHrs_MaMid [_API,_GPI,_SPI]		Hours in mid-level math courses [overall and by general or special education setting]		
ntgHrs_MaAdv [_API,_GPI,_SPI]		Hours in advanced-level math courses [overall and by general or special education setting]		
ntgHrs_Sci [_API,_GPI,_SPI]		Hours in science courses [overall and by general or special education setting]		
ntgHrs_Soc [_API,_GPI,_SPI]		Hours in social science courses [overall and by general or special education setting]		
ntgHrs_Lang [_API,_GPI,_SPI]		Hours in courses in foreign language courses [overall and by general or special education setting]		
ntgHrs_AltMath [_API,_GPI,_SPI]		Alternate coding: math [overall and by general or special education setting]		
ntgHrs_AltMaB [_API,_GPI,_SPI]		Alternate coding: basic-level math [overall and by general or special education setting]		
ntgHrs_AltEn		Alternate coding: English [overall and by		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_API,_GPI,_SPI]		general or special education setting]		
ntgHrs_UnkAc [_API,_GPI,_SPI]		Hours in other/unspecified courses [overall and by general or special education setting]		
• ntgHrs_ <i>[academic subject area]</i> _ZF ntgHrs_ <i>[academic subject area]</i> _ <i>[setting]</i> _ZF	(created)	For each grade level [9-13 and ungraded], number of course hours in academic subject areas—overall and by general or special education setting—in this grade; zero filled for calculating means	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b> ntgHrs_<i>[academic subject area]</i>_<i>[setting]</i> zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing</p> <p>Set ntgHrs_<i>[academic subject area]</i>_ZF and ntgHrs_<i>[academic subject area]</i>_<i>[setting]</i>_ZF to 0 if ntgUnits &gt; 0 and ntgHad_<i>[academic subject area]</i> = 0 (reported units but did not have this type of course)</p> <p>ntgUnits &gt; 0 and ntgHad_<i>[academic subject area]</i> = 0 (reported units but did not have this type of course)</p> <p>Set ntgHrs_<i>[academic subject area]</i>_GPI_ZF to 0 if ntgHad_<i>[academic subject area]</i>&gt; 0, ntgHrs_<i>[academic subject area]</i>_GPI is missing, and ntgHrs_<i>[academic subject area]</i>_SPI &gt;= 0</p> <p>Set ntgHrs_<i>[academic subject area]</i>_GPI_ZF to 0 if ntgHad_<i>[academic subject area]</i> &gt; 0, ntgHrs_<i>[academic subject area]</i>_SPI is missing, and ntgHrs_<i>[academic subject area]</i>_GPI &gt;= 0</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntgHrs_Eng [_GPI,_SPI]_ZF		Hours in English courses [overall and by general or special education setting]		
ntgHrs_Math [_GPI,_SPI]_ZF		Hours in math courses [overall and by general or special education setting]		
ntgHrs_MaBas [_GPI,_SPI]_ZF		Hours in basic-level math courses [overall and by general or special education setting]		
ntgHrs_MaMid [_GPI,_SPI]_ZF		Hours in mid-level math courses [overall and by general or special education setting]		
ntgHrs_MaAdv [_GPI,_SPI]_ZF		Hours in advanced-level math courses [overall and by general or special education setting]		
ntgHrs_Sci [_GPI,_SPI]_ZF		Hours in science courses [overall and by general or special education setting]		
ntgHrs_Soc [_GPI,_SPI]_ZF		Hours in social science courses [overall and by general or special education setting]		
ntgHrs_Lang [_GPI,_SPI]_ZF		Hours in courses in foreign language courses [overall and by general or special education setting]		
ntgHrs_AltMath [_GPI,_SPI]_ZF		Alternate coding: math [overall and by general or special education setting]		
ntgHrs_AltMaB [_GPI,_SPI]_ZF		Alternate coding: basic-level math [overall and by general or special education setting]		
ntgHrs_AltEn [_GPI,_SPI]_ZF		Alternate coding: English [overall and by general or special education setting]		
ntgHrs_UnkAc		Hours in other/unspecified courses [overall		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]_ZF	and by general or special education setting]			
<ul style="list-style-type: none"> <li>ntgHrs_<i>[vocational subject area]</i> ntgHrs_<i>[vocational subject area]</i>[_setting]</li> </ul>	(created)	For each grade level [9-13 and ungraded], number of course hours in occupational vocational subject areas—overall, overall limited to those with a value for setting, and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b> Sum of ntcHrs (hours) in this grade in occupational vocational subject area overall, overall limited to those with a value for setting, and by setting Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course Set to .s [skipped] if ntgHad_<i>[subject]</i> = 0 [did not have this type of course]</p>	<p><b>Base</b> All Students with course level transcript data for this grade Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntgHrs_Agr [_API,_GPI,_SPI]	Hours in agricultural related vocational courses [overall and by general or special education setting]			
ntgHrs_Bus [_API,_GPI,_SPI]	Hours in business related vocational courses [overall and by general or special education setting]			
ntgHrs_Food [_API,_GPI,_SPI]	Hours in food service and hospitality related vocational courses [overall and by general or special education setting]			
ntgHrs_Hlth [_API,_GPI,_SPI]	Hours in health related vocational courses [overall and by general or special education setting]			
ntgHrs_Mktg [_API,_GPI,_SPI]	Hours in marketing related vocational courses [overall and by general or special education setting]			
ntgHrs_HmEc [_API,_GPI,_SPI]	Hours in home economics related vocational courses [overall and by general or special education setting]			
ntgHrs_Tech [_API,_GPI,_SPI]	Hours in technology related vocational courses [overall and by general or special education setting]			
ntgHrs_Trđ [_API,_GPI,_SPI]	Hours in trade and industry related vocational courses [overall and by general or special education setting]			
ntgHrs_Unk [_API,_GPI,_SPI]	Hours in other/unspecified occupational vocational courses [overall and by general or special education setting]			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgHrs_AltBus [_API,_GPI,_SPI]		Alternate coding: business related vocational [overall and by general or special education setting]		
• ntgHrs_ <i>[vocational subject area]</i> _ZF ntgHrs_ <i>[vocational subject area]</i> [_setting]_ZF	(created)	For each grade level [9-13 and ungraded], number of course hours in occupational vocational subject areas—overall and by general or special education setting—in this grade; zero filled for calculating means	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b> ntgHrs_<i>[occupational vocational subject area]</i>[_setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing</p> <p>Set ntgHrs_<i>[vocational subject area]</i>_ZF and ntgHrs_<i>[vocational subject area]</i>[_setting]_ZF to 0 if ntgUnits &gt; 0 and ntgHad_<i>[vocational subject area]</i> = 0 (reported units but did not have this type of course)</p> <p>Set ntgHrs_<i>[vocational subject area]</i>_GPI_ZF to 0 if ntgHad_<i>[vocational subject area]</i> &gt; 0, ntgHrs_<i>[vocational subject area]</i>_GPI is missing, and ntgHrs_<i>[vocational subject area]</i>_SPI &gt;= 0</p> <p>Set ntgHrs_<i>[vocational subject area]</i>_GPI_ZF to 0 if ntgHad_<i>[vocational subject area]</i> &gt; 0, ntgHrs_<i>[vocational subject area]</i>_SPI is missing, and ntgHrs_<i>[vocational subject area]</i>_GPI &gt;= 0</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<p><b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b></p> <p><b>Occupational Vocational Courses (overall and by general or special education setting)</b></p>				
ntgHrs_Agr [_GPI,_SPI]_ZF		Hours in agricultural related vocational courses [overall and by general or special education setting]		
ntgHrs_Bus [_GPI,_SPI]_ZF		Hours in business related vocational courses [overall and by general or special education setting]		
ntgHrs_Food [_GPI,_SPI]_ZF		Hours in food service and hospitality related vocational courses [overall and by general or special education setting]		
ntgHrs_Hlth [_GPI,_SPI]_ZF		Hours in health related vocational courses [overall and by general or special education setting]		
ntgHrs_Mktg [_GPI,_SPI]_ZF		Hours in marketing related vocational courses [overall and by general or special education setting]		
ntgHrs_HmEc [_GPI,_SPI]_ZF		Hours in home economics related vocational courses [overall and by general or special education setting]		
ntgHrs_Tech [_GPI,_SPI]_ZF		Hours in technology related vocational courses [overall and by general or special education setting]		
ntgHrs_Trd [_GPI,_SPI]_ZF		Hours in trade and industry related vocational courses [overall and by general or special education setting]		
ntgHrs_Unk [_GPI,_SPI]_ZF		Hours in other/unspecified occupational vocational courses [overall and by general or		

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Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgHrs_AltBus [_GPI,_SPI]_ZF		special education setting] Alternate coding: business related vocational [overall and by general or special education setting]		
• ntgPctHrs_GPI ntgPctHrs_SPI	(created)	For each grade level [9-13 and ungraded], percentage of time in general or special education setting in this grade level	<b>Numeric Variable Values</b> Overall percentage of hours in this grade in general or special education setting  <b>Notes</b> Calculated as sum of all hours earned in [general/special] setting divided by sum of all hours earned in these grades (ntgHrs) / ntgHrs_API) X 100 _API,  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
ntgPctHrs_GPI	Percentage of hours in general setting			
ntgPctHrs_SPI	Percentage of hours in special setting			
• ntgPctHrs_GPI_ZF ntgPctHrs_SPI_ZF	(created)	For each grade level [9-13 and ungraded], percentage of time in general or special education setting in this grade level; zero filled for calculating means	<b>Numeric Variable Values</b> Overall percentage of hours in this grade in general or special education setting  <b>Notes</b> ntgPctHrs_[ <i>setting</i> ] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing Set ntgPctHrs_GPI_ZF to 0 if ntgHrs_ntgPctHrs_GPI is missing and ntgHrs_ntgPctHrs_SPI >= 0 Set ntgPctHrs_SPI_ZF to 0 if ntgHrs_ntgPctHrs_SPI is missing and ntgHrs_ntgPctHrs_GPI >= 0	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
• ntgPctHrs_[ <i>content type</i> ] ntgPctHrs_[ <i>content type</i> ]_ [ <i>setting</i> ]	(created)	For each grade level [9-13 and ungraded], percentage of time in content types overall and by general or special education setting in this grade	<b>Numeric Variable Values</b> Percentage of hours in this grade  <b>Notes</b> Sum of hours earned in content type overall divided by sum of all hours earned (ntgHrs_[ <i>type</i> ] / ntgHrs_API) X 100  Sum of hours earned in content type in each setting (general or special education) divided by sum of all	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntgPctHrs_Acad	Percentage of time in academic courses			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]	[overall and by general or special education setting]		hours earned with a value for setting (ntgHrs_ <i>[type]</i> [_GPI/SPL] / ntgHrs_API) X 100	
ntgPctHrs_AnyV [_GPI,_SPI]	Percentage of time in vocational courses [overall and by general or special education setting]		Content types are academic, vocational, or other content type	
ntgPctHrs_OthC [_GPI,_SPI]	Percentage of time in other types of courses [overall and by general or special education setting]		Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic	
ntgPctHrs_AltAc [_GPI,_SPI]	Alternate coding: academics [overall and by general or special education setting]		Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntgPctHrs_AltV [_GPI,_SPI]	Alternate coding: vocational [overall and by general or special education setting]		General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntgPctHrs_AltOthC [_GPI,_SPI]	Alternate coding: other types of courses [overall and by general or special education setting]		Set to .s [skipped] if ntgHad_ <i>[type]</i> = 0 [did not have this type of course]	
• ntgPctHrs_ <i>[content type]</i> _ZF ntgPctHrs_ <i>[content type]</i> _ <i>[setting]</i> _ZF	(created)	For each grade level [9-13 and ungraded], percentage of time in content types overall and by general or special education setting in this grade; zero filled for calculating means	<b>Numeric Variable Values</b> Percentage of hours in this grade  <b>Notes</b> ntgPctHrs_ <i>[content type]</i> _ <i>[setting]</i> zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing Set ntgPctHrs_ <i>[content type]</i> _ZF and ntgPctHrs_ <i>[content type]</i> _ <i>[setting]</i> _ZF to 0 if ntgUnits > 0 and ntgHad_ <i>[content type]</i> = 0 (reported units but did not have this type of course) Set ntgPctHrs_ <i>[content type]</i> _GPI_ZF to 0 if ntgHad_ <i>[content type]</i> > 0, ntgPctHrs_ <i>[content type]</i> _GPI is missing, and ntgPctHrs_ <i>[content type]</i> _SPI >= 0 Set ntgPctHrs_ <i>[content type]</i> _GPI_ZF to 0 if ntgHad_ <i>[content type]</i> > 0, ntgPctHrs_ <i>[content type]</i> _SPI is missing, and ntgPctHrs_ <i>[content type]</i> _GPI >= 0	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntgPctHrs_Acad [_GPI,_SPI]_ZF	Percentage of time in academic courses [overall and by general or special education setting]			
ntgPctHrs_AnyV [_GPI,_SPI]_ZF	Percentage of time in vocational courses [overall and by general or special education setting]			
ntgPctHrs_OthC [_GPI,_SPI]_ZF	Percentage of time in other types of courses [overall and by general or special education setting]			
ntgPctHrs_AltAc [_GPI,_SPI]_ZF	Alternate coding: academics [overall and by general or special education setting]			
ntgPctHrs_AltV [_GPI,_SPI]_ZF	Alternate coding: vocational [overall and by general or special education setting]			

E2—NLTS2 Wave 5 Transcript Data

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgPctHrs_AltOthC [_GPI,_SPI]_ZF		Alternate coding: other types of courses [overall and by general or special education setting]		
• ntgPctHrs_[content type]_W_[setting]	(created)	For each grade level [9-13 and ungraded], percentage of time in general or special education setting within each content type in this grade	<p><b>Numeric Variable Values</b> Percentage of hours in this setting</p> <p><b>Notes</b> Sum of hours earned in each setting (general or special education) within content type divided by sum of hours earned with a value for setting within content type (ntgHrs_[type]_[GPL/SPL] / ntgHrs_[type]_API) X 100</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntgPctHrs_Acad_W_[GPI/SPI]		Of those in academic courses, percentage of time in general and special setting	Content types are academic, vocational, or other content type	
ntgPctHrs_AnyV_W_[GPI/SPI]		Of those in vocational courses, percentage of time in general and special setting	Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic	
ntgPctHrs_OthC_W_[GPI/SPI]		Of those in other types of courses, percentage of time in general and special setting	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI"	
ntgPctHrs_AltAc_W_[GPI/SPI]		Alternate coding: academics [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntgPctHrs_AltV_W_[GPI/SPI]		Alternate coding: vocational [overall and by general or special education setting]	ntgPctHrs_[type]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntgPctHrs_[type] for items overall (not by setting)	
ntgPctHrs_AltOthC_W_[GPI/SPI]		Alternate coding: other types of courses [overall and by general or special education setting]		
• ntgPctHrs_[content type]_W_[setting]_ZF	(created)	For each grade level [9-13 and ungraded], percentage of time in general or special education setting within each content type in this grade; zero filled for calculating means	<p><b>Numeric Variable Values</b> Percentage of hours in this setting</p> <p><b>Notes</b> Set ntgPctHrs_[content type]_W_GPI_ZF to 0 if ntgPctHrs_[content type]_W_GPI is missing and ntgPctHrs_[content type]_W_SPI &gt;= 0 Set ntgPctHrs_[content type]_W_GPI_ZF to 0 if ntgPctHrs_[content type]_W_SPI is missing and ntgPctHrs_[content type]_W_GPI &gt;= 0 ntgPctHrs_[type]_w_[GPI/SPL]_ZF contain the</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntgPctHrs_Acad_W_[GPI/SPI]		Of those in academic courses, percentage of time in general and special setting		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[GPI/SPI]_ZF ntgPctHrs_AnyV_W_ [GPI/SPI]_ZF ntgPctHrs_OthC_W_ [GPI/SPI]_ZF ntgPctHrs_AltAc_W_ [GPI/SPI]_ZF ntgPctHrs_AltV_W_ [GPI/SPI]_ZF ntgPctHrs_AltOthC_ W_ [GPI/SPI]_ZF		Of those in vocational courses, percentage of time in general and special setting Of those in other types of courses, percentage of time in general and special setting Alternate coding: academics [overall and by general or special education setting] Alternate coding: vocational [overall and by general or special education setting] Alternate coding: other types of courses [overall and by general or special education setting]	values within the specific content or subject area for setting; use ntgPctHrs_[type]_ZF for items overall (not by setting)	
• ntgPctHrs_[content area] ntgPctHrs_[content area]_[setting]	(created)	For each grade level [9-13 and ungraded], percentage of time in content areas overall and by general or special education setting in this grade	<b>Numeric Variable Values</b> Percentage of hours in this grade  <b>Notes</b> Sum of hours earned in content area overall divided by sum of all hours earned (ntgHrs_[area] / ntgHrs_API) X 100  Sum of hours earned in content area in each setting (general or special education) divided by sum of all hours earned with a value for setting (ntgHrs_[area]_[GPI/SPI] / ntgHrs_API) X 100  Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.  Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic  Setting is by general or special education; general setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course  Set to .s [skipped] if	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Percentage of time in academic courses (see ntgPctHrs_Acad under content types)		
ntgPctHrs_Arts [_GPI,_SPI]		Percentage of time in fine or performing arts courses [overall and by general or special education setting]		
ntgPctHrs_PE [_GPI,_SPI]		Percentage of time in physical education courses [overall and by general or special education setting]		
ntgPctHrs_OccV [_GPI,_SPI]		Percentage of time in occupational vocational courses [overall and by general or special education setting]		
ntgPctHrs_WS [_GPI,_SPI]		Percentage of time in work study/cooperative education courses [overall and by general or special education setting]		
ntgPctHrs_PreV [_GPI,_SPI]		Percentage of time in prevocational courses [overall and by general or special education setting]		
ntgPctHrs_LS [_GPI,_SPI]		Percentage of time in life skills courses [overall and by general or special education setting]		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgPctHrs_Sup [_GPI,_SPI]		Percentage of time in learning supports courses [overall and by general or special education setting]	ntgHad_ <i>[area]</i> = 0 [did not have this type of course]	
ntgPctHrs_Oth [_GPI,_SPI]		Percentage of time in other courses [overall and by general or special education setting]		
		Alternate coding: academic (see ntgPctHrs_AltAc under content types)		
ntgPctHrs_AltOV [_GPI,_SPI]		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntgPctHrs_AltLS [_GPI,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntgPctHrs_ <i>[content area]</i> _ZF ntgPctHrs_ <i>[content area]</i> _ <i>[setting]</i> _ZF	(created)	For each grade level [9-13 and ungraded], percentage of time in content areas overall and by general or special education setting in this grade; zero filled for calculating means	<p><b>Numeric Variable Values</b> Percentage of hours in this grade</p> <p><b>Notes</b> ntgPctHrs_<i>[content area]</i>_<i>[setting]</i> zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing</p> <p>Set ntgPctHrs_<i>[academic subject area]</i>_ZF and ntgPctHrs_<i>[academic subject area]</i>_<i>[setting]</i>_ZF to 0 if</p> <p>ntgUnits &gt; 0 and ntgHad_<i>academic subject area</i>] = 0 (reported units but did not have this type of course)</p> <p>Set ntgPctHrs_<i>[content area]</i>_GPI_ZF to 0 if ntgHad_<i>academic subject area</i>] &gt; 0, ntgPctHrs_<i>[content area]</i>_GPI is missing, and ntgPctHrs_<i>[content area]</i>_SPI &gt;= 0</p> <p>Set ntgPctHrs_<i>[content area]</i>_GPI_ZF to 0 if ntgHad_<i>academic subject area</i>] &gt; 0, ntgPctHrs_<i>[content area]</i>_SPI is missing and ntgPctHrs_<i>[content area]</i>_GPI &gt;= 0</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Percentage of time in academic courses (see ntgPctHrs_Acad under content types)		
ntgPctHrs_Arts [_GPI,_SPI]_ZF		Percentage of time in fine or performing arts courses [overall and by general or special education setting]		
ntgPctHrs_PE [_GPI,_SPI]_ZF		Percentage of time in physical education courses [overall and by general or special education setting]		
ntgPctHrs_OccV [_GPI,_SPI]_ZF		Percentage of time in occupational vocational courses [overall and by general or special education setting]		
ntgPctHrs_WS [_GPI,_SPI]_ZF		Percentage of time in work study/cooperative education courses [overall and by general or special education setting]		
ntgPctHrs_PreV [_GPI,_SPI]_ZF		Percentage of time in prevocational courses [overall and by general or special education setting]		
ntgPctHrs_LS [_GPI,_SPI]_ZF		Percentage of time in life skills courses [overall and by general or special education		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgPctHrs_Sup [_GPI,_SPI]_ZF	setting] Percentage of time in learning supports courses [overall and by general or special education setting]			
ntgPctHrs_Oth [_GPI,_SPI]_ZF	Percentage of time in other courses [overall and by general or special education setting]			
ntgPctHrs_AltOV [_GPI,_SPI]_ZF	Alternate coding: academic (see Hrs_AltAc under content types) Alternate coding: occupational vocational [overall and by general or special education setting]			
ntgPctHrs_AltLS [_GPI,_SPI]_ZF	Alternate coding: life skills courses [overall and by general or special education setting]			
• ntgPctHrs_ <i>[content area]_W_</i> [ <i>setting</i> ]	(created)	For each grade level [9-13 and ungraded], percentage of time in general or special education setting within each content area in this grade	<b>Numeric Variable Values</b> Percentage of hours in this grade  <b>Notes</b> Sum of hours earned in each setting (general or special education) within content area divided by sum of hours earned with a value for setting within content area (ntgHrs_ <i>[area]_</i> [GPL/SPL] / ntgHrs_ <i>[area]_</i> API) X 100 Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.  Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic  Setting is by general or special education; general setting is indicated by the "_GPI" suffix, special by "_SPI"  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course  ntgPctHrs_ <i>[subject]_w_</i> [GPI/SPL] contain the values within the specific content or subject area for setting; use ntgPctHrs_ <i>[subject]</i> for items overall (not by	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended between grades 10 and 12 (excludes 9th, 13th, and ungraded)  ntcGrLevel = 10-12, Tr_LvStat = 1 or 2, and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended between grades 10 and 12]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
ntgPctHrs_Art_W_ [GPI/SPI]	Of those in academic courses, percentage of credits earned in general and special setting Of those in fine or performing arts courses, percentage of credits earned in general and special setting			
ntgPctHrs_PE_W_ [GPI/SPI]	Of those in physical education courses, percentage of credits earned in general and special setting			
ntgPctHrs_OccV_W_ [GPI/SPI]	Percentage of credits earned in occupational vocational courses [overall and by general or special setting]			
ntgPctHrs_WS_W_ [GPI/SPI]	Of those in work study/cooperative education courses, percentage of credits earned in general and special setting			
ntgPctHrs_PreV_W_ [GPI/SPI]	Of those in prevocational courses, percentage of credits earned in general and special setting			
ntgPctHrs_LS_W_ [GPI/SPI]	Of those in life skills courses, percentage of			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[GPI/SPI]		credits earned in general and special setting	setting)	
ntgPctHrs_Sup_W_ [GPI/SPI]		Of those in learning supports courses, percentage of credits earned in general and special setting		
ntgPctHrs_Oth_W_ [GPI/SPI]		Of those in other types of courses, percentage of credits earned in general and special setting		
		Alternate coding: academic (see ntgPctHrs_AltAc under content types)		
ntgPctHrs_AltOV_W_ [GPI/SPI]		Alternate coding: occupational vocational [overall and by general or special setting]		
ntgPctHrs_AltLS_W_ [GPI/SPI]		Alternate coding: life skills courses [overall and by general or special setting]		
• ntgPctHrs_[content area]_W_[setting]_ZF	(created)	Percentage of Carnegie unit credits earned for courses within each content area—overall and by general or special setting—in these grades; zero filled for calculating means	<b>Numeric Variable Values</b> Percentage of hours in this setting <b>Notes</b> Set ntgPctHrs_[academic subject area]content area_GPI_ZF to 0 if ntgPctHrs_[academic subject area]content area_GPI is missing and ntgPctHrs_[academic subject area]content area_SPI >= 0 Set ntgPctHrs_[academic subject area]content area_GPI_ZF to 0 if ntgPctHrs_[academic subject area]content area_SPI is missing and ntgPctHrs_[academic subject area]content area_GPI >= 0 ntgPctHrs_[subject]_w_[GPI/SPL]_ZF contain the values within the specific content or subject area for setting; use ntgPctHrs_[subject]_ZF for items overall (not by setting)	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Of those in academic courses, percentage of time in general and special setting		
ntgPctHrs_Arts_W_ [GPI/SPI]_ZF		Of those in fine or performing arts courses, percentage of time in general and special setting		
ntgPctHrs_PE_W_ [GPI/SPI]_ZF		Of those in physical education courses, percentage of time in general and special setting		
ntgPctHrs_OccV_W_ [GPI/SPI]_ZF		Percentage of time in occupational vocational courses [overall and by general or special setting]		
ntgPctHrs_WS_W_ [GPI/SPI]_ZF		Of those in work study/cooperative education courses, percentage of time in general and special setting		
ntgPctHrs_PreV_W_ [GPI/SPI]_ZF		Of those in prevocational courses, percentage of time in general and special setting		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgPctHrs_LS_W_[GPI/SPI]_ZF		Of those in life skills courses, percentage of time in general and special setting		
ntgPctHrs_Sup_W_[GPI/SPI]_ZF		Of those in learning supports courses, percentage of time in general and special setting		
ntgPctHrs_Oth_W_[GPI/SPI]_ZF		Of those in other types of courses, percentage of time in general and special setting		
		Alternate coding: academic (see ntgPctHrs_AltAc under content types)		
ntgPctHrs_AltOV_W_[GPI/SPI]_ZF		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntgPctHrs_AltLS_W_[GPI/SPI]_ZF		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntgPctHrs_[ <i>academic subject area</i> ] ntgPctHrs_[ <i>academic subject area</i> ]_[ <i>setting</i> ]	(created)	For each grade level [9-13 and ungraded], percentage of time in academic subject areas overall and by general or special education setting in this grade	<b>Numeric Variable Values</b> Percentage of hours in this grade  <b>Notes</b> Sum of hours earned in subject area overall divided by sum of all hours earned (ntgHrs_[ <i>subject</i> ] / ntgHrs_API) X 100  Sum of hours earned in subject area in each setting (general or special education) divided by sum of all hours earned with a value for setting (ntgHrs_[ <i>subject</i> ]_[GPI/SPL] / ntgHrs_API) X 100  Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified  Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntgPctHrs_Eng[_GPI,_SPI]		Percentage of time in English courses [overall and by general or special education setting]		
ntgPctHrs_Math[_GPI,_SPI]		Percentage of time in math courses [overall and by general or special education setting]		
ntgPctHrs_MaBas[_GPI,_SPI]		Percentage of time in basic-level math courses [overall and by general or special education setting]		
ntgPctHrs_MaMid[_GPI,_SPI]		Percentage of time in mid-level math courses [overall and by general or special education setting]		
ntgPctHrs_MaAdv[_GPI,_SPI]		Percentage of time in advanced-level math courses [overall and by general or special education setting]		
ntgPctHrs_Sci[_GPI,_SPI]		Percentage of time in science courses [overall and by general or special education setting]		
ntgPctHrs_Soc		Percentage of time in social science courses		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI] ntgPctHrs_Lang [_GPI,_SPI] ntgPctHrs_AltMath [_GPI,_SPI] ntgPctHrs_AltMaB [_GPI,_SPI] ntgPctHrs_AltEn [_GPI,_SPI] ntgPctHrs_UnkAc [_GPI,_SPI]		[overall and by general or special education setting] Percentage of time in courses in foreign language courses [overall and by general or special education setting] Alternate coding: math [overall and by general or special education setting] Alternate coding: basic-level math [overall and by general or special education setting] Alternate coding: English [overall and by general or special education setting] Percentage of time in other/unspecified courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course Set to .s [skipped] if ntgHad_ <i>[subject]</i> = 0 [did not have this type of course]	
• ntgPctHrs_ <i>[academic subject area]</i> _ZF ntgPctHrs_ <i>[academic subject area]</i> _ <i>[setting]</i> _ZF	(created)	For each grade level [9-13 and ungraded], percentage of time in academic subject areas overall and by general or special education setting in this grade; zero filled for calculating means	<b>Numeric Variable Values</b> Percentage of hours in this grade <b>Notes</b> ntgPctHrs_ <i>[academic subject area]</i> _ <i>[setting]</i> zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing Set ntgPctHrs_ <i>[academic subject area]</i> _ZF and ntgPctHrs_ <i>[academic subject area]</i> _ <i>[setting]</i> _ZF to 0 if ntgUnits > 0 and ntgHad_ <i>[academic subject area]</i> = 0 (reported units but did not have this type of course) Set ntgPctHrs_ <i>[academic subject area]</i> _GPI_ZF to 0 if ntgHad_ <i>[academic subject area]</i> > 0, ntgPctHrs_ <i>[academic subject area]</i> _GPI is missing, and ntgPctHrs_ <i>[academic subject area]</i> _SPI >= 0 Set ntgPctHrs_ <i>[academic subject area]</i> _GPI_ZF to 0 if ntgHad_ <i>[academic subject area]</i> > 0, ntgPctHrs_ <i>[academic subject area]</i> _SPI is missing, and ntgPctHrs_ <i>[academic subject area]</i> _GPI >= 0	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b> <b>Academic Subjects Courses</b> <b>(overall and by general or special education setting)</b>				
ntgPctHrs_Eng [_GPI,_SPI]_ZF		Percentage of time in English courses [overall and by general or special education setting]		
ntgPctHrs_Math [_GPI,_SPI]_ZF		Percentage of time in math courses [overall and by general or special education setting]		
ntgPctHrs_MaBas [_GPI,_SPI]_ZF		Percentage of time in basic-level math courses [overall and by general or special education setting]		
ntgPctHrs_MaMid [_GPI,_SPI]_ZF		Percentage of time in mid-level math courses [overall and by general or special education setting]		
ntgPctHrs_MaAdv [_GPI,_SPI]_ZF		Percentage of time in advanced-level math courses [overall and by general or special education setting]		
ntgPctHrs_Sci [_GPI,_SPI]_ZF		Percentage of time in science courses [overall and by general or special education setting]		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgPctHrs_Soc [_GPI,_SPI]_ZF		Percentage of time in social science courses [overall and by general or special education setting]		
ntgPctHrs_Lang [_GPI,_SPI]_ZF		Percentage of time in courses in foreign language courses [overall and by general or special education setting]		
ntgPctHrs_AltMath [_GPI,_SPI]_ZF		Alternate coding: math [overall and by general or special education setting]		
ntgPctHrs_AltMaB [_GPI,_SPI]_ZF		Alternate coding: basic-level math [overall and by general or special education setting]		
ntgPctHrs_AltEn [_GPI,_SPI]_ZF		Alternate coding: English [overall and by general or special education setting]		
ntgPctHrs_UnkAc [_GPI,_SPI]_ZF		Percentage of time in other/unspecified courses [overall and by general or special education setting]		
• ntgPctHrs_[ <i>academic subject area</i> ]_W_[ <i>setting</i> ]	(created)	For each grade level [9-13 and ungraded], percentage of time in general or special education setting within each academic subject area in this grade	<b>Numeric Variable Values</b> Percentage of hours in this setting  <b>Notes</b> Sum of hours earned in each setting (general or special education) within subject area divided by sum of hours earned with a value for setting within subject area (ntgHrs_[ <i>subject</i> ]_[GPL/SPL] / ntgHrs_[ <i>subject</i> ]_APL) X 100	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntgPctHrs_Eng_W_[GPI/SPI]		Of those in English courses, percentage of time in general and special setting	Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified  Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI"	
ntgPctHrs_Math_W_[GPI/SPI]		Of those in math courses, percentage of time in general and special setting		
ntgPctHrs_MaBas_W_[GPI/SPI]		Of those in basic-level math courses, percentage of time in general and special setting		
ntgPctHrs_MaMid_W_[GPI/SPI]		Of those in mid-level math courses, percentage of time in general and special setting		
ntgPctHrs_MaAdv_W_[GPI/SPI]		Of those in advanced-level math courses, percentage of time in general and special setting		
ntgPctHrs_Sci_W_[GPI/SPI]		Of those in science courses, percentage of time in general and special setting		
ntgPctHrs_Soc_W_[GPI/SPI]		Of those in social science courses, percentage		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[GPI/SPI] ntgPctHrs_Lang_W_ [GPI/SPI] ntgPctHrs_AltMath_W_ [GPI/SPI] ntgPctHrs_AltMaB_W_ [GPI/SPI] ntgPctHrs_AltEn_W_ [GPI/SPI] ntgPctHrs_UnkAc_W_ [GPI/SPI]	of time in general and special setting Of those in foreign language courses, percentage of time in general and special setting Alternate coding: math [overall and by general or special education setting] Alternate coding: basic-level math [overall and by general or special education setting] Alternate coding: English [overall and by general or special education setting] Of those in other/unspecified courses, percentage of time in general and special setting	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course ntgPctHrs_[subject]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntgPctHrs_[subject] for items overall (not by setting)		
• ntgPctHrs_[ <i>academic subject area</i> ] _W_[ <i>setting</i> ] _ZF	(created)	For each grade level [9-13 and ungraded], percentage of time in general or special education setting within each academic subject area in this grade; zero filled for calculating means	<b>Numeric Variable Values</b> Percentage of hours in this setting <b>Notes</b> Set ntgPctHrs_[ <i>academic subject area</i> ] _W_GPI_ZF to 0 if ntgPctHrs_[ <i>academic subject area</i> ] _W_GPI is missing and ntgPctHrs_[ <i>academic subject area</i> ] _W_SPI >= 0 Set ntgPctHrs_[ <i>academic subject area</i> ] _W_GPI_ZF to 0 if ntgPctHrs_[ <i>academic subject area</i> ] _W_SPI is missing and ntgPctHrs_[ <i>academic subject area</i> ] _W_GPI >= 0 ntgPctHrs_[subject]_w_[GPI/SPL] _ZF contain the values within the specific content or subject area for setting; use ntgPctHrs_[subject] _ZF for items overall (not by setting)	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses</b> <b>(overall and by general or special education setting)</b>				
ntgPctHrs_Eng_W_ [GPI/SPI] _ZF	Of those in English courses, percentage of time in general and special setting			
ntgPctHrs_Math_W_ [GPI/SPI] _ZF	Of those in math courses, percentage of time in general and special setting			
ntgPctHrs_MaBas_W_ [GPI/SPI] _ZF	Of those in basic-level math courses, percentage of time in general and special setting			
ntgPctHrs_MaMid_W_ [GPI/SPI] _ZF	Of those in mid-level math courses, percentage of time in general and special setting			
ntgPctHrs_MaAdv_W_ [GPI/SPI] _ZF	Of those in advanced-level math courses, percentage of time in general and special setting			
ntgPctHrs_Sci_W_ [GPI/SPI] _ZF	Of those in science courses, percentage of time in general and special setting			
ntgPctHrs_Soc_W_ [GPI/SPI] _ZF	Of those in social science courses, percentage of time in general and special setting			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgPctHrs_Lang_W_[GPI/SPI]_ZF		Of those in foreign language courses, percentage of time in general and special setting		
ntgPctHrs_AltMath_W_[GPI/SPI]_ZF		Alternate coding: math [overall and by general or special education setting]		
ntgPctHrs_AltMaB_W_[GPI/SPI]_ZF		Alternate coding: basic-level math [overall and by general or special education setting]		
ntgPctHrs_AltEn_W_[GPI/SPI]_ZF		Alternate coding: English [overall and by general or special education setting]		
ntgPctHrs_UnkAc_W_[GPI/SPI]_ZF		Of those in other/unspecified courses, percentage of time in general and special setting		
• ntgPctHrs_[ <i>vocational subject area</i> ] ntgPctHrs_[ <i>vocational subject area</i> ]_[ <i>setting</i> ]	(created)	For each grade level [9-13 and ungraded], percentage of time in occupational vocational subject areas overall and by general or special education setting in this grade	<p><b>Numeric Variable Values</b> Percentage of hours in this grade</p> <p><b>Notes</b> Sum of hours earned in subject area overall divided by sum of all hours earned (ntgHrs_[<i>subject</i>] / ntgHrs_API) X 100</p> <p>Sum of hours earned in subject area in each setting (general or special education) divided by sum of all hours earned with a value for setting (ntgHrs_[<i>subject</i>]_[GPL/SPL] / ntgHrs_API) X 100</p> <p>Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown</p> <p>Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntgPctHrs_Agr[_GPI,_SPI]		Percentage of time in agricultural related vocational courses [overall and by general or special education setting]		
ntgPctHrs_Bus[_GPI,_SPI]		Percentage of time in business related vocational courses [overall and by general or special education setting]		
ntgPctHrs_Food[_GPI,_SPI]		Percentage of time in food service and hospitality related vocational courses [overall and by general or special education setting]		
ntgPctHrs_Hlth[_GPI,_SPI]		Percentage of time in health related vocational courses [overall and by general or special education setting]		
ntgPctHrs_Mktg[_GPI,_SPI]		Percentage of time in marketing related vocational courses [overall and by general or special education setting]		
ntgPctHrs_HmEc[_GPI,_SPI]		Percentage of time in home economics related vocational courses [overall and by general or special education setting]		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgPctHrs_Tech [_GPI,_SPI]		Percentage of time in technology related vocational courses [overall and by general or special education setting]	Set to .s [skipped] if ntgHad_[ <i>subject</i> ] = 0 [did not have this type of course]	
ntgPctHrs_Trd [_GPI,_SPI]		Percentage of time in trade and industry related vocational courses [overall and by general or special education setting]		
ntgPctHrs_Unk [_GPI,_SPI]		Percentage of time in other/unspecified occupational vocational courses [overall and by general or special education setting]		
ntgPctHrs_AltBus [_GPI,_SPI]		Alternate coding: business related vocational [overall and by general or special education setting]		
• ntgPctHrs_[ <i>vocational subject area</i> ] _ZF ntgPctHrs_[ <i>vocational subject area</i> ] _[ <i>setting</i> ] _ZF	(created)	For each grade level [9-13 and ungraded], percentage of time in occupational vocational subject areas overall and by general or special education setting in this grade; zero filled for calculating means	<b>Numeric Variable Values</b> Percentage of hours in this grade  <b>Notes</b> ntgPctHrs_[ <i>occupational vocational subject area</i> ] _[ <i>setting</i> ] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntgPctHrs_Agr [_GPI,_SPI] _ZF		Percentage of time in agricultural related vocational courses [overall and by general or special education setting]	Set ntgPctHrs_[ <i>vocational subject area</i> ] _ZF and ntgPctHrs_[ <i>vocational subject area</i> ] _[ <i>setting</i> ] _ZF to 0 if ntgUnits > 0 and ntgHad_[ <i>vocational subject area</i> ] = 0 (reported units but did not have this type of course)	
ntgPctHrs_Bus [_GPI,_SPI] _ZF		Percentage of time in business related vocational courses [overall and by general or special education setting]	Set ntgPctHrs_[ <i>vocational subject area</i> ] _GPI_ZF to 0 if ntgHad_[ <i>vocational subject area</i> ] > 0, ntgPctHrs_[ <i>vocational subject area</i> ] _GPI is missing, and ntgPctHrs_[ <i>vocational subject area</i> ] _SPI >= 0	
ntgPctHrs_Food [_GPI,_SPI] _ZF		Percentage of time in food service and hospitality related vocational courses [overall and by general or special education setting]	Set ntgPctHrs_[ <i>vocational subject area</i> ] _GPI_ZF to 0 if ntgHad_[ <i>vocational subject area</i> ] > 0, ntgPctHrs_[ <i>vocational subject area</i> ] _SPI is missing and ntgPctHrs_[ <i>vocational subject area</i> ] _GPI >= 0	
ntgPctHrs_Hlth [_GPI,_SPI] _ZF		Percentage of time in health related vocational courses [overall and by general or special education setting]		
ntgPctHrs_Mktg [_GPI,_SPI] _ZF		Percentage of time in marketing related vocational courses [overall and by general or special education setting]		
ntgPctHrs_HmEc [_GPI,_SPI] _ZF		Percentage of time in home economics related vocational courses [overall and by general or special education setting]		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgPctHrs_Tech [_GPI,_SPI]_ZF		Percentage of time in technology related vocational courses [overall and by general or special education setting]		
ntgPctHrs_Trd [_GPI,_SPI]_ZF		Percentage of time in trade and industry related vocational courses [overall and by general or special education setting]		
ntgPctHrs_Unk [_GPI,_SPI]_ZF		Percentage of time in other/unspecified occupational vocational courses [overall and by general or special education setting]		
ntgPctHrs_AltBus [_GPI,_SPI]_ZF		Alternate coding: business related vocational [overall and by general or special education setting]		
• ntgPctHrs_[ <i>vocational subject area</i> ]_W_[ <i>setting</i> ]	(created)	For each grade level [9-13 and ungraded], percentage of time in general or special education setting within each occupational vocational subject area in this grade	<p><b>Numeric Variable Values</b> Percentage of hours in this setting</p> <p><b>Notes</b> Sum of hours earned in each setting (general or special education) within subject area divided by sum of hours earned with a value for setting within subject area (ntgHrs_[<i>subject</i>]_[GPL/SPL] / ntgHrs_[<i>subject</i>]_API) X 100</p> <p>Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown</p> <p>Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general setting is indicated by the "_GPI" suffix, special by "_SPI"</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p> <p>ntgPctHrs_[<i>subject</i>]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntgPctHrs_[<i>subject</i>] for items overall (not by</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntgPctHrs_Agr_W_[GPI/SPI]		Of those in agricultural related vocational courses, percentage of time in general and special setting		
ntgPctHrs_Bus_W_[GPI/SPI]		Of those in business related vocational courses, percentage of time in general and special setting		
ntgPctHrs_Food_W_[GPI/SPI]		Of those in food service and hospitality related vocational courses, percentage of time in general and special setting		
ntgPctHrs_Hlth_W_[GPI/SPI]		Of those in health related vocational courses, percentage of time in general and special setting		
ntgPctHrs_Mktg_W_[GPI/SPI]		Of those in marketing related vocational courses, percentage of time in general and special setting		
ntgPctHrs_HmEc_W_[GPI/SPI]		Of those in home economics related vocational courses, percentage of time in general and special setting		
ntgPctHrs_Tech_W_		Of those in technology related vocational		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[GPI/SPI] ntgPctHrs_Trld_W_ [GPI/SPI] ntgPctHrs_Unk_W_ [GPI/SPI] ntgPctHrs_AltBus_W_ _[GPI/SPI]	courses, percentage of time in general and special setting Of those in trade and industry courses, percentage of time in general and special setting Of those in other/unspecified occupational vocational courses courses, percentage of time in general and special setting Alternate coding: business related vocational [overall and by general or special education setting]		setting)	
• ntgPctHrs_[ <i>vocational subject area</i> ] _W_ <i>[setting]</i> _ZF	(created)	For each grade level [9-13 and ungraded], percentage of time in general or special education setting within each occupational vocational subject area in this grade; zero filled for calculating means	<b>Numeric Variable Values</b> Percentage of hours in this setting <b>Notes</b> Set ntgPctHrs_[ <i>vocational subject area</i> ] _W_GPI_ZF to 0 if ntgPctHrs_[ <i>vocational subject area</i> ] _W_GPI is missing and ntgPctHrs_[ <i>vocational subject area</i> ] _W_SPI >= 0 Set ntgPctHrs_[ <i>vocational subject area</i> ] _W_GPI_ZF to 0 if ntgPctHrs_[ <i>vocational subject area</i> ] _W_SPI is missing and ntgPctHrs_[ <i>vocational subject area</i> ] _W_GPI >= 0 ntgPctHrs_[ <i>subject</i> ] _w_[GPI/SPL]_ZF contain the values within the specific content or subject area for setting; use ntgPctHrs_[ <i>subject</i> ] _ZF for items overall (not by setting)	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntgPctHrs_Agr_W_ [GPI/SPI]_ZF	Of those in agricultural related vocational courses, percentage of time in general and special setting			
ntgPctHrs_Bus_W_ [GPI/SPI]_ZF	Of those in business related vocational courses, percentage of time in general and special setting			
ntgPctHrs_Food_W_ [GPI/SPI]_ZF	Of those in food service and hospitality related vocational courses, percentage of time in general and special setting			
ntgPctHrs_Hlth_W_ [GPI/SPI]_ZF	Of those in health related vocational courses, percentage of time in general and special setting			
ntgPctHrs_Mktg_W_ [GPI/SPI]_ZF	Of those in marketing related vocational courses, percentage of time in general and special setting			
ntgPctHrs_HmEc_W_ [GPI/SPI]_ZF	Of those in home economics related vocational courses, percentage of time in general and special setting			
ntgPctHrs_Tech_W_ [GPI/SPI]_ZF	Of those in technology related vocational			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[GPI/SPI]_ZF		courses, percentage of time in general and special setting		
ntgPctHrs_Trld_W_[GPI/SPI]_ZF		Of those in trade and industry courses, percentage of time in general and special setting		
ntgPctHrs_Unk_W_[GPI/SPI]_ZF		Percentage of time in related vocational courses [overall and by general or special education setting]		
ntgPctHrs_AltBus_W_[GPI/SPI]_ZF		Of those in other/unspecified occupational vocational courses courses, percentage of time in general and special setting		
ntgPctHrs_AltBus_W_[GPI/SPI]_ZF		Alternate coding: business related vocational [overall and by general or special education setting]		
<ul style="list-style-type: none"> <li>ntgGPA</li> <li>ntgGPA_GPI</li> <li>ntgGPA_SPI</li> </ul>	(created)	For each grade level [9-13 and ungraded], weighted grade point average for courses overall and by general or special education setting in this grade	<p><b>Numeric Variable Values</b> Weighted grade point average</p> <p><b>Notes</b> Weighted grade point average in this grade overall and by setting.</p> <p>Grade point weighted by hours for each course: Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is calculated as sum of weighted grade points ÷ sum of hours</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<ul style="list-style-type: none"> <li>ntgGPA_[content type]</li> <li>ntgGPA_[content type]_[setting]</li> </ul>	(created)	For each grade level [9-13 and ungraded], weighted grade point average for courses in each content type—overall and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> Weighted grade point average</p> <p><b>Notes</b> Weighted grade point average in this grade in content type overall and by setting.</p> <p>Grade point weighted by hours for each course: Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses</b>				

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
<b>(overall and by general or special education setting)</b> ntgGPA_Acad[_GPI,_SPI] GPA in academic courses [overall and by general or special education setting] ntgGPA_AnyV[_GPI,_SPI] GPA in vocational courses [overall and by general or special education setting] ntgGPA_OthC[_GPI,_SPI] GPA in other types of courses [overall and by general or special education setting] ntgGPA_AltAc[_GPI,_SPI] Alternate coding: academics [overall and by general or special education setting] ntgGPA_AltV[_GPI,_SPI] Alternate coding: vocational [overall and by general or special education setting] ntgGPA_AltOthC[_GPI,_SPI] Alternate coding: other types of courses [overall and by general or special education setting]			calculated as sum of weighted grade points ÷ sum of hours Content types are academic, vocational, or other content type Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic Setting is by general or special education; general setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course Set to .s [skipped] if ntgHad_[type] = 0 [did not have this type of course]	
• ntgGPA_[content area] ntgGPA_[content area]_[setting]	(created)	For each grade level [9-13 and ungraded], weighted grade point average for courses in content areas—overall and by general or special education setting—in this grade	<b>Numeric Variable Values</b> Weighted grade point average <b>Notes</b> Weighted grade point average in this grade in content area overall and by setting Grade point weighted by hours for each course: Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is calculated as sum of weighted grade points ÷ sum of hours Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area. Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic Setting is by general or special education; general ed	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses</b>				
<b>(overall and by general or special education setting)</b>				
GPA in academic courses(see ntgGPA_Acad under content types)				
ntgGPA_Arts[_GPI,_SPI]		GPA in fine or performing arts courses [overall and by general or special education setting]		
ntgGPA_PE[_GPI,_SPI]		GPA in physical education courses [overall and by general or special education setting]		
ntgGPA_OccV[_GPI,_SPI]		GPA in occupational vocational courses [overall and by general or special education setting]		
ntgGPA_WS		GPA in work study/cooperative education courses [overall and by general or special		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]	education setting]		setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntgGPA_PreV [_GPI,_SPI]	GPA in prevocational courses [overall and by general or special education setting]		General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntgGPA_LS [_GPI,_SPI]	GPA in life skills courses [overall and by general or special education setting]		Set to .s [skipped] if ntgHad_[area] = 0 [did not have this type of course]	
ntgGPA_Sup [_GPI,_SPI]	GPA in learning supports courses [overall and by general or special education setting]			
ntgGPA_Oth [_GPI,_SPI]	GPA in other courses [overall and by general or special education setting]			
	Alternate coding: academic (see ntgGPA_AltAc under content types)			
ntgGPA_AltOV [_GPI,_SPI]	Alternate coding: occupational vocational [overall and by general or special education setting]			
ntgGPA_AltLS [_GPI,_SPI]	Alternate coding: life skills courses [overall and by general or special education setting]			
• ntgGPA_[ <i>academic subject area</i> ] ntgGPA_[ <i>academic subject area</i> ][ <i>setting</i> ]	(created)	For each grade level [9-13 and ungraded], weighted grade point average for courses in academic subject areas—overall and by general or special education setting—in this grade	<b>Numeric Variable Values</b> Weighted grade point average  <b>Notes</b> Weighted grade point average in this grade in academic subject area overall and by setting Grade point weighted by hours for each course: Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is calculated as sum of weighted grade points ÷ sum of hours  Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified  Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntgGPA_Eng [_GPI,_SPI]	GPA in English courses [overall and by general or special education setting]			
ntgGPA_Math [_GPI,_SPI]	GPA in math courses [overall and by general or special education setting]			
ntgGPA_MaBas [_GPI,_SPI]	GPA in basic-level math courses [overall and by general or special education setting]			
ntgGPA_MaMid [_GPI,_SPI]	GPA in mid-level math courses [overall and by general or special education setting]			
ntgGPA_MaAdv [_GPI,_SPI]	GPA in advanced-level math courses [overall and by general or special education setting]			
ntgGPA_Sci [_GPI,_SPI]	GPA in science courses [overall and by general or special education setting]			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgGPA_Soc [_GPI,_SPI]		GPA in social science courses [overall and by general or special education setting]	Setting is by general or special education; general setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course  Set to .s [skipped] if ntgHad_[ <i>subject</i> ] = 0 [did not have this type of course]	
ntgGPA_Lang [_GPI,_SPI]		GPA in courses in foreign language courses [overall and by general or special education setting]		
ntgGPA_AltMath [_GPI,_SPI]		Alternate coding: math [overall and by general or special education setting]		
ntgGPA_AltMaB [_GPI,_SPI]		Alternate coding: basic-level math [overall and by general or special education setting]		
ntgGPA_AltEn [_GPI,_SPI]		Alternate coding: English [overall and by general or special education setting]		
ntgGPA_UnkAc [_GPI,_SPI]		GPA in other/unspecified courses [overall and by general or special education setting]		
• ntgGPA_[ <i>vocational subject area</i> ] ntgGPA_[ <i>vocational subject area</i> ][_setting]	(created)	For each grade level [9-13 and ungraded], weighted grade point average for courses in occupational vocational subject areas—overall and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> Weighted grade point average</p> <p><b>Notes</b> Weighted grade point average in this grade in occupational vocational subject area overall and by setting  Grade point weighted by hours for each course: Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is calculated as sum of weighted grade points ÷ sum of hours</p> <p>Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown  Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English  Setting is by general or special education; general setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4</p>	<p><b>Base</b> All Students with course level transcript data for this grade  Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntgGPA_Agr [_GPI,_SPI]		GPA in agricultural related vocational courses [overall and by general or special education setting]		
ntgGPA_Bus [_GPI,_SPI]		GPA in business related vocational courses [overall and by general or special education setting]		
ntgGPA_Food [_GPI,_SPI]		GPA in food service and hospitality related vocational courses [overall and by general or special education setting]		
ntgGPA_Hlth [_GPI,_SPI]		GPA in health related vocational courses [overall and by general or special education setting]		
ntgGPA_Mktg [_GPI,_SPI]		GPA in marketing related vocational courses [overall and by general or special education setting]		
ntgGPA_HmEc		GPA in home economics related vocational		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]		courses [overall and by general or special education setting]	(special education) or ≠ 4 (setting other than special education) for each course	
ntgGPA_Tech [_GPI,_SPI]		GPA in technology related vocational courses [overall and by general or special education setting]	Set to .s [skipped] if ntgHad_[ <i>subject</i> ] = 0 [did not have this type of course]	
ntgGPA_Trđ [_GPI,_SPI]		GPA in trade and industry related vocational courses [overall and by general or special education setting]		
ntgGPA_Unk [_GPI,_SPI]		GPA in other/unspecified occupational vocational courses [overall and by general or special education setting]		
ntgGPA_AltBus [_GPI,_SPI]		Alternate coding: business related vocational [overall and by general or special education setting]		
• ntgFail ntgFail_[ <i>setting</i> ]	(created)	For each grade level [9-13 and ungraded], if youth had any failing grades for evaluated courses—overall and by general or special education setting—in this grade	<b>Numeric Variable Values</b> 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed <b>Notes</b> Sum if any ntcPassFail = 2 (failed) for courses in this grade in content type overall and by setting Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
• ntgFail_[ <i>content type</i> ] ntgFail_[ <i>content type</i> ] ntgFail_[ <i>content type</i> ] ntgFail_[ <i>content type</i> ] ntgFail_Acad [_GPI,_SPI]	(created)	For each grade level [9-13 and ungraded], if youth had any failing grades for evaluated courses in each content type—overall and by general or special education setting—in this grade	<b>Numeric Variable Values</b> 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed <b>Notes</b> Sum if any ntcPassFail = 2 (failed) for courses in this grade in content type overall and by setting Content types are academic, vocational, or other content type Content types are assigned using course types from ntcType for each course. An alternate coding	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntgFail_Acad [_GPI,_SPI]	Had a failing grade in academic courses [overall and by general or special education			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgFail_AnyV [_GPI,_SPI]	setting] Had a failing grade in vocational courses [overall and by general or special education setting]		ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic	
ntgFail_OthC [_GPI,_SPI]	Had a failing grade in other types of courses [overall and by general or special education setting]		Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntgFail_AltAc [_GPI,_SPI]	Alternate coding: academics [overall and by general or special education setting]		General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntgFail_AltV [_GPI,_SPI]	Alternate coding: vocational [overall and by general or special education setting]		Set to .s [skipped] if ntgHad_[type] = 0 [did not have this type of course]	
ntgFail_AltOthC [_GPI,_SPI]	Alternate coding: other types of courses [overall and by general or special education setting]			
• ntgFail_[content area] ntgFail_[content area]_[setting]	(created)	For each grade level [9-13 and ungraded], if youth had any failing grades for evaluated courses in each content area— overall and by general or special education setting—in this grade	<b>Numeric Variable Values</b> 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed <b>Notes</b> Sum if any ntcPassFail = 2 (failed) for courses in this grade in content area overall and by setting Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area. Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course Set to .s [skipped] if	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
	Had a failing grade in academic courses (see ntgFail_Acad under content types)			
ntgFail_Arts [_GPI,_SPI]	Had a failing grade in fine or performing arts courses [overall and by general or special education setting]			
ntgFail_PE [_GPI,_SPI]	Had a failing grade in physical education courses [overall and by general or special education setting]			
ntgFail_OccV [_GPI,_SPI]	Had a failing grade in occupational vocational courses [overall and by general or special education setting]			
ntgFail_WS [_GPI,_SPI]	Had a failing grade in work study/cooperative education courses [overall and by general or special education setting]			
ntgFail_PreV	Had a failing grade in prevocational courses			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]		[overall and by general or special education setting]	ntgHad_[area] = 0 [did not have this type of course]	
ntgFail_LS [_GPI,_SPI]		Had a failing grade in life skills courses [overall and by general or special education setting]		
ntgFail_Sup [_GPI,_SPI]		Had a failing grade in learning supports courses [overall and by general or special education setting]		
ntgFail_Oth [_GPI,_SPI]		Had a failing grade in other courses [overall and by general or special education setting] Alternate coding: academic (see ntgFail_AltAc under content types)		
ntgFail_AltOV [_GPI,_SPI]		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntgFail_AltLS [_GPI,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntgFail_[ <i>academic subject area</i> ] ntgFail_[ <i>academic subject area</i> ][_setting]	(created)	For each grade level [9-13 and ungraded], if youth had any failing grades for evaluated courses in each academic subject area—overall and by general or special education setting—in this grade	<b>Numeric Variable Values</b> 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed <b>Notes</b> Sum if any ntcPassFail = 2 (failed) for courses in this grade in academic subject area overall and by setting Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English Setting is by general or special education; general setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntgFail_Eng [_GPI,_SPI]		Had a failing grade in English courses [overall and by general or special education setting]		
ntgFail_Math [_GPI,_SPI]		Had a failing grade in math courses [overall and by general or special education setting]		
ntgFail_MaBas [_GPI,_SPI]		Had a failing grade in basic-level math courses [overall and by general or special education setting]		
ntgFail_MaMid [_GPI,_SPI]		Had a failing grade in mid-level math courses [overall and by general or special education setting]		
ntgFail_MaAdv [_GPI,_SPI]		Had a failing grade in advanced-level math courses [overall and by general or special		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgFail_Sci [_GPI,_SPI]	education setting]	Had a failing grade in science courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course  Set to .s [skipped] if ntgHad_[ <i>subject</i> ] = 0 [did not have this type of course]	
ntgFail_Soc [_GPI,_SPI]		Had a failing grade in social science courses [overall and by general or special education setting]		
ntgFail_Lang [_GPI,_SPI]		Had a failing grade in courses in foreign language courses [overall and by general or special education setting]		
ntgFail_AltMath [_GPI,_SPI]		Alternate coding: math [overall and by general or special education setting]		
ntgFail_AltMaB [_GPI,_SPI]		Alternate coding: basic-level math [overall and by general or special education setting]		
ntgFail_AltEn [_GPI,_SPI]		Alternate coding: English [overall and by general or special education setting]		
ntgFail_UnkAc [_GPI,_SPI]		Had a failing grade in other/unspecified courses [overall and by general or special education setting]		
• ntgFail_[ <i>vocational subject area</i> ] ntgFail_[ <i>vocational subject area</i> ][_setting]	(created)	For each grade level [9-13 and ungraded], if youth had any failing grades for evaluated courses in each vocational subject area—overall and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed</p> <p><b>Notes</b> Sum if any ntcPassFail = 2 (failed) for courses in this grade in occupational vocational subject area overall and by setting</p> <p>Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown</p> <p>Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by</p>	<p><b>Base</b> All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntgFail_Agr [_GPI,_SPI]		Had a failing grade in agricultural related vocational courses [overall and by general or special education setting]		
ntgFail_Bus [_GPI,_SPI]		Had a failing grade in business related vocational courses [overall and by general or special education setting]		
ntgFail_Food [_GPI,_SPI]		Had a failing grade in food service and hospitality related vocational courses [overall and by general or special education setting]		
ntgFail_Hlth		Had a failing grade in health related		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI] ntgFail_Mktg [_GPI,_SPI] ntgFail_HmEc [_GPI,_SPI] ntgFail_Tech [_GPI,_SPI] ntgFail_Trd [_GPI,_SPI] ntgFail_Unk [_GPI,_SPI] ntgFail_AltBus [_GPI,_SPI]		vocational courses [overall and by general or special education setting] Had a failing grade in marketing related vocational courses [overall and by general or special education setting] Had a failing grade in home economics related vocational courses [overall and by general or special education setting] Had a failing grade in technology related vocational courses [overall and by general or special education setting] Had a failing grade in trade and industry related vocational courses [overall and by general or special education setting] Had a failing grade in other/unspecified occupational vocational courses [overall and by general or special education setting] Alternate coding: business related vocational [overall and by general or special education setting]	"_SPI," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course Set to .s [skipped] if ntgHad_ <i>[subject]</i> = 0 [did not have this type of course]	
• ntgPctFail_ <i>[content type]</i> _W ntgPctFail_ <i>[content type]</i> _W_ <i>[setting]</i>	(created)	For each grade level [9-13 and ungraded], percentage of courses failed within each content type—overall and by general or special education setting—in this grade	<b>Numeric Variable Values</b> Percentage of courses failed within content type <b>Notes</b> Percentage of courses failed in this grade within content type overall and by setting Percentage calculated as sum of ntcHrs (hours) in content type where ntcPassFail = 2 (failed) ÷ sum of ntcHrs (hours) in content type X 100 Content types are academic, vocational, or other content type Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI"	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntgPctFail_Acad_W [_GPI,_SPI]		Percentage of courses failed within academic courses [overall and by general or special education setting]		
ntgPctFail_AnyV_W [_GPI,_SPI]		Percentage of courses failed within vocational courses [overall and by general or special education setting]		
ntgPctFail_OthC_W [_GPI,_SPI]		Percentage of courses failed within other types of courses [overall and by general or special education setting]		
ntgPctFail_AltAc_W [_GPI,_SPI]		Alternate coding: academics [overall and by general or special education setting]		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgPctFail_AltV_W [_GPI,_SPI]		Alternate coding: vocational [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course  ntgPctFail_[type] _w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntgPctFail_[type] for items overall (not by setting)	
ntgPctFail_AltOthC_W [_GPI,_SPI]		Alternate coding: other types of courses [overall and by general or special education setting]		
• ntgPctFail_[content area]_W ntgPctFail_[content area]_W_[setting]	(created)	For each grade level [9-13 and ungraded], percentage of courses failed within each content area—overall and by general or special education setting—in this grade	<p><b>Numeric Variable Values</b> Percentage of courses failed within content area</p> <p><b>Notes</b> Percentage of courses failed in this grade in content area overall and by setting  Percentage calculated as sum of ntcHrs (hours) in content area where ntcPassFail = 2 (failed) ÷ sum of ntcHrs (hours) in content area X 100  Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.  Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI".  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course  ntgPctFail_[area] _w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntgPctFail_[area] for items overall (not by setting)</p>	<p><b>Base</b> All Students with course level transcript data for this grade  Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Percentage of courses failed within academic courses(see ntgPctFail_Acad under content types)		
ntgPctFail_Arts_W [_GPI,_SPI]		Percentage of courses failed within fine or performing arts courses [overall and by general or special education setting]		
ntgPctFail_PE_W [_GPI,_SPI]		Percentage of courses failed within physical education courses [overall and by general or special education setting]		
ntgPctFail_OccV_W [_GPI,_SPI]		Percentage of courses failed within occupational vocational courses [overall and by general or special education setting]		
ntgPctFail_WS_W [_GPI,_SPI]		Percentage of courses failed within work study/cooperative education courses [overall and by general or special education setting]		
ntgPctFail_PreV_W [_GPI,_SPI]		Percentage of courses failed within prevocational courses [overall and by general or special education setting]		
ntgPctFail_LS_W [_GPI,_SPI]		Percentage of courses failed within life skills courses [overall and by general or special education setting]		
ntgPctFail_Sup_W [_GPI,_SPI]		Percentage of courses failed within learning supports courses [overall and by general or		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgPctFail_Oth_W [_GPI,_SPI]		special education setting] Percentage of courses failed within other courses [overall and by general or special education setting]		
ntgPctFail_AltOV_W [_GPI,_SPI]		Alternate coding: academic (see ntgPctFail_AltAc under content types) Alternate coding: occupational vocational [overall and by general or special education setting]		
ntgPctFail_AltLS_W [_GPI,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntgPctFail_[ <i>academic subject area</i> ] _W ntgPctFail_[ <i>academic subject area</i> ] _W_[ <i>setting</i> ]	(created)	For each grade level [9-13 and ungraded], percentage of courses failed within each academic subject area—overall and by general or special education setting—in this grade	<b>Numeric Variable Values</b> Percentage of courses failed within subject area  <b>Notes</b> Percentage of courses failed in this grade in academic subject area overall and by setting  Percentage calculated as sum of ntcHrs (hours) in subject area where ntcPassFail = 2 (failed) ÷ sum of ntcHrs (hours) in subject area X 100  Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified  Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI"  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course  ntgPctFail_[subject] _w_[GPI/SPL] contain the values	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntgPctFail_Eng_W [_GPI,_SPI]		Percentage of courses failed within English courses [overall and by general or special education setting]		
ntgPctFail_Math_W [_GPI,_SPI]		Percentage of courses failed within math courses [overall and by general or special education setting]		
ntgPctFail_MaBas_W [_GPI,_SPI]		Percentage of courses failed within basic-level math courses [overall and by general or special education setting]		
ntgPctFail_MaMid_W [_GPI,_SPI]		Percentage of courses failed within mid-level math courses [overall and by general or special education setting]		
ntgPctFail_MaAdv_W [_GPI,_SPI]		Percentage of courses failed within advanced-level math courses [overall and by general or special education setting]		
ntgPctFail_Sci_W [_GPI,_SPI]		Percentage of courses failed within science courses [overall and by general or special education setting]		
ntgPctFail_Soc_W		Percentage of courses failed within social		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]		science courses [overall and by general or special education setting]	within the specific content or subject area for setting; use ntgPctFail_[subject] for items overall (not by setting)	
ntgPctFail_Lang_W [_GPI,_SPI]		Percentage of courses failed within courses in foreign language courses [overall and by general or special education setting]		
ntgPctFail_AltMath_W [_GPI,_SPI]		Alternate coding: math [overall and by general or special education setting]		
ntgPctFail_AltMaB_W [_GPI,_SPI]		Alternate coding: basic-level math [overall and by general or special education setting]		
ntgPctFail_AltEn_W [_GPI,_SPI]		Alternate coding: English [overall and by general or special education setting]		
ntgPctFail_UnkAc_W [_GPI,_SPI]		Percentage of courses failed within other/unspecified courses [overall and by general or special education setting]		
<ul style="list-style-type: none"> <li>ntgPctFail_[<i>vocational subject area</i>]<sub>W</sub> ntgPctFail_[<i>vocational subject area</i>]<sub>W</sub>[<i>setting</i>]</li> </ul>	(created)	For each grade level [9-13 and ungraded], percentage of courses failed within each vocational subject area—overall and by general or special education setting—in this grade	<b>Numeric Variable Values</b> Percentage of courses failed within subject area  <b>Notes</b> Percentage of courses failed in this grade in occupational vocational subject area overall and by setting  Percentage calculated as sum of ntcHrs (hours) in subject area where ntcPassFail = 2 (failed) ÷ sum of ntcHrs (hours) in subject area X 100  Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown  Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI".  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special	<b>Base</b> All Students with course level transcript data for this grade  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>  <b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntgPctFail_Agr_W [_GPI,_SPI]		Percentage of courses failed within agricultural related vocational courses [overall and by general or special education setting]		
ntgPctFail_Bus_W [_GPI,_SPI]		Percentage of courses failed within business related vocational courses [overall and by general or special education setting]		
ntgPctFail_Food_W [_GPI,_SPI]		Percentage of courses failed within food service and hospitality related vocational courses [overall and by general or special education setting]		
ntgPctFail_Hlth_W [_GPI,_SPI]		Percentage of courses failed within health related vocational courses [overall and by general or special education setting]		
ntgPctFail_Mktg_W		Percentage of courses failed within marketing		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI] ntgPctFail_HmEc_W [_GPI,_SPI] ntgPctFail_Tech_W [_GPI,_SPI] ntgPctFail_Trd_W [_GPI,_SPI] ntgPctFail_Unk_W [_GPI,_SPI] ntgPctFail_AltBus_W [_GPI,_SPI]		related vocational courses [overall and by general or special education setting] Percentage of courses failed within home economics related vocational courses [overall and by general or special education setting] Percentage of courses failed within technology related vocational courses [overall and by general or special education setting] Percentage of courses failed within trade and industry related vocational courses [overall and by general or special education setting] Percentage of courses failed within other/unspecified occupational vocational courses [overall and by general or special education setting] Alternate coding: business related vocational [overall and by general or special education setting]	education) for each course ntgPctFail_[subject] _w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntgPctFail_[subject] for items overall (not by setting)	
<ul style="list-style-type: none"> <li>ntgVocInvlv</li> </ul>	(created)	For each grade level [9-13 and ungraded], scale describing extent of vocational involvement within an occupational area in this grade	<p><b>Numeric Variable Values</b></p> <ol style="list-style-type: none"> <li>No vocational courses</li> <li>Prevocational/career education</li> <li>One or more occupational vocational classes—occupational area(s) unidentified</li> <li>Survey of vocational (1-3 courses in one occupational area)</li> <li>Sequence of vocational (4 or more courses in one occupational area)</li> </ol> <p><b>Notes</b></p> <p>Set to 1 [no voc] if                      ntgHad_OccV and ntgHad_PreV = 0 [no classes in prevocational or occupational vocational]</p> <p>Set 2 [prevocational] if                      ntgHad_OccV = 0 and ntgHad_PreV = 1 [courses in prevocational but no classes in occupational vocational]</p> <p>Set 3 [unidentified occupational vocational] if                      ntgNbr_Unk &gt;= 1 and all other ntgNbr_[voc subject areas] are missing [had courses in occupational voc but subject areas unidentified]</p>	<p><b>Base</b></p> <p>All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			<p>Set 4 [survey of occupational vocational] if sum of ntgNbr_[single voc subject area] = 1-3 [had 1-3 courses in a single occupational voc area]</p> <p>Set 5 [sequence of occupational vocational] if sum of ntgNbr_[single voc subject area] = &gt;= 4 [had 4 or more courses in a single occupational voc area]</p>	
• ntgVocScale	(created)	For each grade level [9-13 and ungraded], scale describing the extent of vocational involvement and work experience within an occupational area	<p><b>Numeric Variable Values</b></p> <p>1 No vocational courses</p> <p>2 No vocational courses but had work experience</p> <p>3 Prevocational/career education</p> <p>4 Prevocational/career education and work experience</p> <p>5 One or more occupational vocational classes— occupational area(s) unidentified</p> <p>6 One or more occupational vocational classes— occupational area(s) unidentified—and work experience</p> <p>7 Survey of vocational (1-3 courses in one occupational area)</p> <p>8 Survey of vocational (1-3 courses in one occupational area) and work experience</p> <p>9 Sequence of vocational (4 or more courses in one occupational area)</p> <p>10 Sequence of vocational (4 or more courses in one occupational area) and work experience in sped setting</p> <p>11 Sequence of vocational (4 or more courses in one occupational area) and work experience in general setting</p> <p><b>Notes</b></p> <p>Set to 1 [no voc] if ntgVocInvlv = 1 and ntgVocHad_WS ne 1 [had no voc or work study]</p> <p>Set to 2 [no voc but had work study] if ntgVocInvlv and ntgVocHad_WS = 1 [had no voc but had work study]</p> <p>Set to 3 [prevocational] if ntgVocInvlv = 2 and ntgVocHad_WS ne 1 [courses in prevocational but no work study]</p>	<p><b>Base</b></p> <p>All Students with course level transcript data for this grade</p> <p>Excludes 12<sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12<sup>th</sup> grade] and 13<sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]</p>

E2—NLTS2 Wave 5 Transcript Data

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			<p>Set to 4 [prevocational and work study] if ntgVocInvlv = 2 and ntgVocHad_WS = 1 [courses in prevocational and work study]</p> <p>Set to 5 [unidentified occupational vocational] if ntgVocInvlv = 3 and ntgVocHad_WS ne 1 [had courses in occupational voc but subject areas unidentified and no work study]</p> <p>Set to 6 [unidentified occupational vocational and work study] if ntgVocInvlv = 3 and ntgVocHad_WS = 1 [had courses in occupational voc but subject areas unidentified and work study]</p> <p>Set to 7 [survey of occupational vocational] if ntgVocInvlv = 4 and ntgVocHad_WS ne 1 [had 1-3 courses in a single occupational voc area but no work study]</p> <p>Set to 8 [survey of occupational vocational and work study] if ntgVocInvlv = 4 and ntgVocHad_WS = 1 [had 1-3 courses in a single occupational voc area and work study]</p> <p>Set 9 [sequence of occupational vocational] if ntgVocInvlv = 5 and ntgVocHad_WS ne 1 [had 4 or more courses in a single occupational voc area but no work study]</p> <p>Set 10 [sequence of occupational vocational and work study in special setting only] if ntgVocInvlv = 5, ntgVocHad_WS_Spl = 1, and ntgVocHad_WS_GPl ne 1 [had 4 or more courses in a single occupational voc area and work study in special setting only]</p> <p>Set 11 [sequence of occupational vocational and work study in general setting] if ntgVocInvlv = 5 and ntgVocHad_WS_GPl = 1 [had 4 or more courses in a single occupational voc area and work study in general setting]</p>	
• ntgGrdFirstYr	Transcript	For each grade level [9-13 and ungraded], earliest school year	<p><b>Numeric Variable Values</b></p> <p>1 1996-1997</p>	<p><b>Base</b></p> <p>All Students with course level transcript data for this</p>

E2—NLTS2 Wave 5 Transcript Data

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		enrolled in this grade level	2 1997-1998 3 1998-1999 4 1999-2000 5 2000-2001 6 2001-2002 7 2006-2003 8 2007-2004 9 2008-2005 10 2009-2006 11 1997-2007 12 1998-2008	grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
• ntgGrdLastYr	Transcript	For each grade level [9-13 and ungraded], latest school year enrolled in this grade level	<b>Numeric Variable Values</b> 1 1996-1997 2 1997-1998 3 1998-1999 4 1999-2000 5 2000-2001 6 2001-2002 7 2006-2003 8 2007-2004 9 2008-2005 10 2009-2006 11 1997-2007 12 1998-2008	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
• ntgYrsInGrade	(created)	For each grade level [9-13 and ungraded], number of school years enrolled in this grade level	<b>Numeric Variable Values</b> Number of school years <hr/> <b>Notes</b> Calculated as (ntgGrdLastYr-ntgGrdFirstYr) + 1	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
• Tr_IncomeByGrade	(created)	For each grade level [9-13 and ungraded], most recently reported parent/guardian household income in this grade	<b>Numeric Variable Values</b> 1 \$25,000 or less 2 \$25,001 - \$50,000 3 More than \$50,000 <hr/> <b>Notes</b> Set to value of W1_IncomeHdr2001 if ntcGrdFirstyr = 1-7 (1996/97-2002/03)	<b>Base</b> All Students with course level transcript data for this grade Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]

E2—NLTS2 Wave 5 Transcript Data

Course taking Summary by Grade Level [File N2Trans_GradeLvl]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			Set to value of W2_IncomeHdr2003 if ntcGrdFirstyr = 8-9 (2003/04-2004/05) Set to value of W3_IncomeHdr2005 if ntcGrdFirstyr = 10-11 (2005/06-2006/07) Set to value of W4_IncomeHdr2007 if ntcGrdFirstyr = 12 (2007/08) Set to value of income from next nearest Parent/Guardian Interview wave if income variable nearest the leave date as noted above is missing [use next closest from W1_IncomeHdr2001, W2_IncomeHdr2003, W3_IncomeHdr2005 W4_IncomeHdr2007, or W5_IncomeHdr2009]	

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
<i>One Record per student of those who left secondary school and had course-level transcript data for grades attended</i>				
• ID	ID	Individual youth ID	<b>Numeric Variable Values</b> 5-digit ID number <b>Notes</b> Randomly generated for public use data	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
• ntsHad_[content type] ntsHad_[content type]_[setting]	(created)	If youth ever had courses in content types—overall and by general or special education setting—when he/she was in secondary school	<b>Numeric Variable Values</b> 1 Yes 0 No <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended Content types are academic, vocational, or other	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses</b>				
<b>(overall and by general or special education setting)</b>				
ntsHad_Acad	Had academic courses [overall and by			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]		general or special education setting]	content type	
ntsHad_AnyV [_GPI,_SPI]		Had vocational courses [overall and by general or special education setting]	Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsHad_OthC [_GPI,_SPI]		Had other types of courses [overall and by general or special education setting]		
ntsHad_AltAc [_GPI,_SPI]		Alternate coding: academics [overall and by general or special education setting]		
ntsHad_AltV [_GPI,_SPI]		Alternate coding: vocational [overall and by general or special education setting]		
ntsHad_AltOthC [_GPI,_SPI]		Alternate coding: other types of courses [overall and by general or special education setting]		
• ntsHad_ <i>[content area]</i> ntsHad_ <i>[content area]</i> _ <i>[setting]</i>	(created)	If youth ever had courses in content areas—overall and by general or special education setting—when he/she was in secondary school	<b>Numeric Variable Values</b> 1 Yes 0 No  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended  Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.  Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Had academic courses (see ntsHad_Acad under content types)		
ntsHad_Arts [_GPI,_SPI]		Had fine or performing arts courses [overall and by general or special education setting]		
ntsHad_PE [_GPI,_SPI]		Had physical education courses [overall and by general or special education setting]		
ntsHad_OccV [_GPI,_SPI]		Had occupational vocational courses [overall and by general or special education setting]		
ntsHad_WS [_GPI,_SPI]		Had work study/cooperative education courses [overall and by general or special education setting]		
ntsHad_PreV [_GPI,_SPI]		Had prevocational courses [overall and by general or special education setting]		
ntsHad_LS [_GPI,_SPI]		Had life skills courses [overall and by general or special education setting]		
ntsHad_Sup [_GPI,_SPI]		Had learning supports courses [overall and by general or special education setting]		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsHad_Oth [_GPI,_SPI]		Had other courses [overall and by general or special education setting]		
		Alternate coding: academic (see ntsHad_AltAc under content types)		
ntsHad_AltOV [_GPI,_SPI]		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntsHad_AltLS [_GPI,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntsHad_[ <i>academic subject area</i> ] ntsHad_[ <i>academic subject area</i> ][_setting]	(created)	If youth ever had courses in academic subject areas—overall and by general or special education setting—when he/she was in secondary school	<p><b>Numeric Variable Values</b></p> <p>1 Yes 0 No</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsHad_Eng [_GPI,_SPI]		Had English courses [overall and by general or special education setting]	Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified	
ntsHad_Math [_GPI,_SPI]		Had math courses [overall and by general or special education setting]	Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English	
ntsHad_MaBas [_GPI,_SPI]		Had basic-level math courses [overall and by general or special education setting]		
ntsHad_MaMid [_GPI,_SPI]		Had mid-level math courses [overall and by general or special education setting]		
ntsHad_MaAdv [_GPI,_SPI]		Had advanced-level math courses [overall and by general or special education setting]		
ntsHad_Sci [_GPI,_SPI]		Had science courses [overall and by general or special education setting]	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntsHad_Soc [_GPI,_SPI]		Had social science courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsHad_Lang [_GPI,_SPI]		Had courses in foreign language courses [overall and by general or special education setting]		
ntsHad_AltMath [_GPI,_SPI]		Alternate coding: math [overall and by general or special education setting]		
ntsHad_AltMaB		ntsHad_AltMaB [_GPI,_SPI]		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]				
ntsHad_AltEn [_GPI,_SPI]	Alternate coding: English [overall and by general or special education setting]			
ntsHad_UnkAc [_GPI,_SPI]	Had other/unspecified courses [overall and by general or special education setting]			
• ntsHad_ <i>[vocational subject area]</i> ntsHad_ <i>[vocational subject area]</i> [_setting]	(created)	If youth ever had courses in occupational vocational subject areas—overall and by general or special education setting—when he/she was in secondary school	<p><b>Numeric Variable Values</b></p> <p>1 Yes 0 No</p> <p><b>Notes</b></p> <p>Calculated for students who left secondary school and have course level transcript data for all grades attended</p>	<p><b>Base</b></p> <p>Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntsHad_Agr [_GPI,_SPI]	Had agricultural related vocational courses [overall and by general or special education setting]		Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown	
ntsHad_Bus [_GPI,_SPI]	Had business related vocational courses [overall and by general or special education setting]		Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English	
ntsHad_Food [_GPI,_SPI]	Had food service and hospitality related vocational courses [overall and by general or special education setting]		Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntsHad_Hlth [_GPI,_SPI]	Had health related vocational courses [overall and by general or special education setting]		General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsHad_Mktg [_GPI,_SPI]	Had marketing related vocational courses [overall and by general or special education setting]			
ntsHad_HmEc [_GPI,_SPI]	Had home economics related vocational courses [overall and by general or special education setting]			
ntsHad_Tech [_GPI,_SPI]	Had technology related vocational courses [overall and by general or special education setting]			
ntsHad_Trd [_GPI,_SPI]	Had trade and industry related vocational courses [overall and by general or special education setting]			
ntsHad_Unk [_GPI,_SPI]	Had other/unspecified occupational vocational courses [overall and by general or			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsHad_AltBus [_GPI,_SPI]	special education setting] Alternate coding: business related vocational [overall and by general or special education setting]			
• ntsNbr_[content type] ntsNbr_[content type]_[setting]	(created)	Number of courses youth had in content types—overall, overall limited to those with a value for setting, and by general or special education setting—while in secondary school	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>			Sum of courses in content type overall, overall limited to those with a value for setting, and by setting Content types are academic, vocational, or other content type  Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntsNbr_Acad [_APL,_GPI,_SPI]	Number of academic courses [overall and by general or special education setting]			
ntsNbr_AnyV [_APL,_GPI,_SPI]	Number of vocational courses [overall and by general or special education setting]			
ntsNbr_OthC [_APL,_GPI,_SPI]	Number of other types of courses [overall and by general or special education setting]			
ntsNbr_AltAc [_APL,_GPI,_SPI]	Alternate coding: academics [overall and by general or special education setting]			
ntsNbr_AltV [_APL,_GPI,_SPI]	Alternate coding: vocational [overall and by general or special education setting]			
ntsNbr_AltOthC [_APL,_GPI,_SPI]	Alternate coding: other types of courses [overall and by general or special education setting]			
• ntsNbr_[content area] ntsNbr_[content area]_[setting]	(created)	Number of courses youth had in content areas—overall, overall limited to those with a value for setting, and by general or special education setting—while in secondary school	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>			Sum of courses in content area overall, overall limited to those with a value for setting, and by setting Content areas are academic, fine and performing arts, physical education, occupational vocational, work	
<b>Content Area Courses (overall and by general or special education setting)</b> Number of academic courses (see				

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsNbr_Arts [_APL,_GPI,_SPI]		ntsNbr_Acad under content types) Number of fine or performing arts courses [overall and by general or special education setting]	study/cooperative education, prevocational, life skills, learning supports, or other content area.  Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsNbr_PE [_APL,_GPI,_SPI]		Number of physical education courses [overall and by general or special education setting]		
ntsNbr_OccV [_APL,_GPI,_SPI]		Number of occupational vocational courses [overall and by general or special education setting]		
ntsNbr_WS [_APL,_GPI,_SPI]		Number of work study/cooperative education courses [overall and by general or special education setting]		
ntsNbr_PreV [_APL,_GPI,_SPI]		Number of prevocational courses [overall and by general or special education setting]		
ntsNbr_LS [_APL,_GPI,_SPI]		Number of life skills courses [overall and by general or special education setting]		
ntsNbr_Sup [_APL,_GPI,_SPI]		Number of learning supports courses [overall and by general or special education setting]		
ntsNbr_Oth [_APL,_GPI,_SPI]		Number of other courses [overall and by general or special education setting]		
		Alternate coding: academic (see Hrs_AltAc under content types)		
ntsNbr_AltOV [_APL,_GPI,_SPI]		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntsNbr_AltLS [_APL,_GPI,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntsNbr_[ <i>academic subject area</i> ] ntsNbr_[ <i>academic subject area</i> ][_setting]	(created)	Number of courses youth had in academic subject areas—overall, overall limited to those with a value for setting, and by general or special education setting—while in secondary school	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>			Sum of courses in academic subject area overall, overall limited to those with a value for setting, and by setting  Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level	
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsNbr_Eng		Number of English courses [overall and by general or special education setting]		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_APL,_GPI,_SPI]			math—science, social science, foreign language, or other/unspecified	
ntsNbr_Math [_APL,_GPI,_SPI]		Number of math courses [overall and by general or special education setting]	Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsNbr_MaBas [_APL,_GPI,_SPI]		Number of basic-level math courses [overall and by general or special education setting]		
ntsNbr_MaMid [_APL,_GPI,_SPI]		Number of mid-level math courses [overall and by general or special education setting]		
ntsNbr_MaAdv [_APL,_GPI,_SPI]		Number of advanced-level math courses [overall and by general or special education setting]		
ntsNbr_Sci [_APL,_GPI,_SPI]		Number of science courses [overall and by general or special education setting]		
ntsNbr_Soc [_APL,_GPI,_SPI]		Number of social science courses [overall and by general or special education setting]		
ntsNbr_Lang [_APL,_GPI,_SPI]		Number of courses in foreign language courses [overall and by general or special education setting]		
ntsNbr_AltMath [_APL,_GPI,_SPI]		Alternate coding: math [overall and by general or special education setting]		
ntsNbr_AltMaB [_APL,_GPI,_SPI]		Alternate coding: basic-level math [overall and by general or special education setting]		
ntsNbr_AltEn [_APL,_GPI,_SPI]		Alternate coding: English [overall and by general or special education setting]		
ntsNbr_UnkAc [_APL,_GPI,_SPI]		Number of other/unspecified courses [overall and by general or special education setting]		
• ntsNbr_ <i>[vocational subject area]</i> ntsNbr_ <i>[vocational subject area]</i> [_setting]	(created)	Number of courses youth had in occupational vocational subject areas—overall, overall limited to those with a value for setting, and by general or special education setting—while in secondary school	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>			Sum of courses in occupational vocational subject area overall, overall limited to those with a value for setting, and by setting  Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown	
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntsNbr_Agr [_APL,_GPI,_SPI]		Number of agricultural related vocational courses [overall and by general or special education setting]		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsNbr_Bus [_APL,_GPI,_SPI]		Number of business related vocational courses [overall and by general or special education setting]	Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsNbr_Food [_APL,_GPI,_SPI]		Number of food service and hospitality related vocational courses [overall and by general or special education setting]		
ntsNbr_Hlth [_APL,_GPI,_SPI]		Number of health related vocational courses [overall and by general or special education setting]		
ntsNbr_Mktg [_APL,_GPI,_SPI]		Number of marketing related vocational courses [overall and by general or special education setting]		
ntsNbr_HmEc [_APL,_GPI,_SPI]		Number of home economics related vocational courses [overall and by general or special education setting]		
ntsNbr_Tech [_APL,_GPI,_SPI]		Number of technology related vocational courses [overall and by general or special education setting]		
ntsNbr_Trde [_APL,_GPI,_SPI]		Number of trade and industry related vocational courses [overall and by general or special education setting]		
ntsNbr_Unk [_APL,_GPI,_SPI]		Number of other/unspecified occupational vocational courses [overall and by general or special education setting]		
ntsNbr_AltBus [_APL,_GPI,_SPI]		Alternate coding: business related vocational [overall and by general or special education setting]		
• ntsUnits	(created)	Total number of Carnegie unit credits earned for courses while in secondary school	<b>Numeric Variable Values</b> Number of Carnegie unit credits  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended  Sum of credits (ntsUnits) earned for all grades attended in content type overall and by setting	<b>Base</b> All Students with course level transcript data for all grades attended  Excludes 12 <sup>th</sup> grade courses if ntaComplete≠ 1 [transcript is not complete through 12 <sup>th</sup> grade] and 13 <sup>th</sup> grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
• ntsUnits_API ntsUnits_GPI ntsUnits_SPI	(created)	Total number of Carnegie unit credits earned for courses in any setting (of those who have a value for general or special setting), general or special	<b>Numeric Variable Values</b> Number of Carnegie unit credits  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended for both ntcUnits and ntcLevel  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		education setting while in secondary school	<p>attended</p> <p>Sum of credits (ntsUnits) earned for all grades attended in content type overall, overall limited to those with a value for setting, and by setting</p> <p>Use ntsUnits_API as denominator for percentage of units earned in general or special education setting</p> <p>Set ntsUnits_GPL to .s if ntsUnits_GPL is missing and nts/Units_SPL &gt;= 0</p> <p>Set ntsUnits_SPL to .s if ntsUnits_SPL is missing and nts/Units_GPL &gt;= 0</p> <p>Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.</p>	secondary school and appears to have complete transcript data for grades attended]
<ul style="list-style-type: none"> <li>ntsUnits_[content type]</li> <li>ntsUnits_[content type]_[setting]</li> </ul>	(created)	Total number of Carnegie unit credits youth earned for courses in each content type—overall, overall limited to those with a value for setting, and by general or special education setting—while in secondary school	<p><b>Numeric Variable Values</b> Number of Carnegie unit credits</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Sum of all credits (ntsUnits) earned in content type overall, overall limited to those with a value for setting, and by setting</p> <p>Content types are academic, vocational or other content area</p> <p>Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPL" suffix, special by</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntsUnits_Acad [_API,_GPL,_SPI]	Credits earned in academic courses [overall and by general or special education setting]			
ntsUnits_AnyV [_API,_GPL,_SPI]	Credits earned in vocational courses [overall and by general or special education setting]			
ntsUnits_OthC [_API,_GPL,_SPI]	Credits earned in other types of courses [overall and by general or special education setting]			
ntsUnits_AltAc	Alternate coding: academic courses [overall			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_API,_GPI,_SPI] ntsUnits_AltV [_API,_GPI,_SPI] ntsUnits_AltOthC [_API,_GPI,_SPI]	and by general or special education setting Alternate coding: vocational courses [overall and by general or special education setting] Alternate coding: other types of courses [overall and by general or special education setting]		<p>"_SPI," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p> <p>Set to .s [skipped] if ntsHad_[type] = 0 [did not have this type of course]</p> <p>Set ntsUnits_[type]_GPI to .s if ntsHad_[type] &gt; 0, ntsUnits_[type]_GPI is missing, and ntsUnits_[type]_SPI &gt;= 0</p> <p>Set ntsUnits_[type]_GPI to .s if ntsHad_[type] &gt; 0, ntsUnits_[type]_SPI is missing, and ntsUnits_[type]_GPI &gt;= 0</p> <p>Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.</p>	
<ul style="list-style-type: none"> <li>ntsUnits_[content area] ntsUnits_[content area]_[setting]</li> </ul>	(created)	Total number of Carnegie unit credits youth earned for courses in each content area—overall, overall limited to those with a value for setting, and by general or special education setting—while in secondary school	<p><b>Numeric Variable Values</b> Number of Carnegie unit credits</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Sum of all credits (ntcUnits) earned in content area overall, overall limited to those with a value for setting, and by setting</p> <p>Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.</p> <p>Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Credits earned in academic courses (see ntsUnits_Acad under content types)		
ntsUnits_Arts [_API,_GPI,_SPI]		Credits earned in fine or performing arts courses [overall and by general or special education setting]		
ntsUnits_PE		Credits earned in physical education courses		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		[overall and by general or special education setting]	English out of vocational and into academic and life skills math out of life skills and into academic	
ntsUnits_OccV [_API,_GPI,_SPI]		Credits earned in occupational vocational courses [overall and by general or special education setting]	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntsUnits_WS [_API,_GPI,_SPI]		Credits earned in work study/cooperative education courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsUnits_PreV [_API,_GPI,_SPI]		Credits earned in prevocational courses [overall and by general or special education setting]	Set to .s [skipped] if ntsHad_[area] = 0 [did not have this area of course]	
ntsUnits_LS [_API,_GPI,_SPI]		Credits earned in life skills courses [overall and by general or special education setting]	Set ntsUnits_[area]_GPI to .s if ntsHad_[area] > 0, ntsUnits_[area]_GPI is missing, and ntsUnits_[area]_SPI >= 0	
ntsUnits_Sup [_API,_GPI,_SPI]		Credits earned in learning supports courses [overall and by general or special education setting]	Set ntsUnits_[area]_GPI to .s if ntsHad_[area] > 0, ntsUnits_[area]_SPI is missing, and ntsUnits_[area]_GPI >= 0	
ntsUnits_Oth [_API,_GPI,_SPI]		Credits earned in other types of courses [overall and by general or special education setting]	Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this area of course but no units were earned and a value of ".s" means student did not take any courses of this area. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this area of course but did not earn any credits as well as those who did not take this area of course.	
		Alternate coding: academic (see ntsUnits_AltAc under content types)		
ntsUnits_AltOV [_API,_GPI,_SPI]		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntsUnits_AltLS [_API,_GPI,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntsUnits_[ <i>academic subject area</i> ] ntsUnits_[ <i>academic subject area</i> ][_setting]	(created)	Total number of Carnegie unit credits youth earned for courses in each academic subject area—overall, overall limited to those with a value for setting, and by general or special education setting—while in secondary school	<b>Numeric Variable Values</b> Number of Carnegie unit credits  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended  Sum of all credits (ntsUnits) earned in academic subject area overall, overall limited to those with a value for setting, and by setting  Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsUnits_Eng [_API,_GPI,_SPI]		Credits earned in English courses [overall and by general or special education setting]		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsUnits_Math [_API,_GPI,_SPI]		Credits earned in math courses [overall and by general or special education setting]	other/unspecified	
ntsUnits_MaBas [_API,_GPI,_SPI]		Credits earned in basic-level math courses [overall and by general or special education setting]	Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English	
ntsUnits_MaMid [_API,_GPI,_SPI]		Credits earned in mid-level math courses [overall and by general or special education setting]	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntsUnits_MaAdv [_API,_GPI,_SPI]		Credits earned in advanced-level math courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsUnits_Sci [_API,_GPI,_SPI]		Credits earned in science courses [overall and by general or special education setting]	Set to .s [skipped] if ntsHad_[subject] = 0 [did not have this subject of course]	
ntsUnits_Soc [_API,_GPI,_SPI]		Credits earned in social science courses [overall and by general or special education setting]	Set ntsUnits_[subject]_GPI to .s if ntsHad_[subject] > 0, ntsUnits_[subject]_GPI is missing, and ntsUnits_[subject]_SPI >= 0	
ntsUnits_Lang [_API,_GPI,_SPI]		Credits earned in foreign language courses [overall and by general or special education setting]	Set ntsUnits_[subject]_GPI to .s if ntsHad_[subject] > 0, ntsUnits_[subject]_SPI is missing, and ntsUnits_[subject]_GPI >= 0	
ntsUnits_AltMath [_API,_GPI,_SPI]		Alternate coding: math [overall and by general or special education setting]		
ntsUnits_AltMaB [_API,_GPI,_SPI]		Alternate coding: basic-level math [overall and by general or special education setting]		
ntsUnits_AltEn [_API,_GPI,_SPI]		Alternate coding: English [overall and by general or special education setting]		
ntsUnits_UnkAc [_API,_GPI,_SPI]		Credits earned in other/unspecified courses [overall and by general or special education setting]	Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this subject of course but no units were earned and a value of ".s" means student did not take any courses of this subject. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this subject of course but did not earn any credits as well as those who did not take this subject of course.	
• ntsUnits_[vocational subject area] ntsUnits_[vocational subject area]_[setting]	(created)	Total number of Carnegie unit credits youth earned for courses in each vocational subject area—overall, overall	<b>Numeric Variable Values</b> Number of Carnegie unit credits  <b>Notes</b>	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		limited to those with a value for setting, and by general or special education setting— while in secondary school	Calculated for students who left secondary school and have course level transcript data for all grades attended	Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntsUnits_Agr [_API,_GPI,_SPI]	Credits earned in agricultural related vocational courses [overall and by general or special education setting]	Credits earned in agricultural related vocational courses [overall and by general or special education setting]	Sum of all credits (ntsUnits) earned in occupational vocational subject area overall, overall limited to those with a value for setting, and by setting	
ntsUnits_Bus [_API,_GPI,_SPI]	Credits earned in business related vocational courses [overall and by general or special education setting]	Credits earned in business related vocational courses [overall and by general or special education setting]	Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown	
ntsUnits_Food [_API,_GPI,_SPI]	Credits earned in food service and hospitality related vocational courses [overall and by general or special education setting]	Credits earned in food service and hospitality related vocational courses [overall and by general or special education setting]	Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English	
ntsUnits_Hlth [_API,_GPI,_SPI]	Credits earned in health related vocational courses [overall and by general or special education setting]	Credits earned in health related vocational courses [overall and by general or special education setting]	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntsUnits_Mktg [_API,_GPI,_SPI]	Credits earned in marketing related vocational courses [overall and by general or special education setting]	Credits earned in marketing related vocational courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsUnits_HmEc [_API,_GPI,_SPI]	Credits earned in home economics related vocational courses [overall and by general or special education setting]	Credits earned in home economics related vocational courses [overall and by general or special education setting]	Set to .s [skipped] if ntsHad_[subject] = 0 [did not have this subject of course]	
ntsUnits_Tech [_API,_GPI,_SPI]	Credits earned in technology related vocational courses [overall and by general or special education setting]	Credits earned in technology related vocational courses [overall and by general or special education setting]	Set ntsUnits_[subject]_GPI to .s if ntsHad_[subject] > 0, ntsUnits_[subject]_GPI is missing, and ntsUnits_[subject]_SPI >= 0	
ntsUnits_Trd [_API,_GPI,_SPI]	Credits earned in trade and industry related vocational courses [overall and by general or special education setting]	Credits earned in trade and industry related vocational courses [overall and by general or special education setting]	Set ntsUnits_[subject]_GPI to .s if ntsHad_[subject] > 0, ntsUnits_[subject]_SPI is missing, and ntsUnits_[subject]_GPI >= 0	
ntsUnits_Unk [_API,_GPI,_SPI]	Credits earned in other/unspecified occupational vocational courses [overall and by general or special education setting]	Credits earned in other/unspecified occupational vocational courses [overall and by general or special education setting]	Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this subject of course but no units were earned and a value of ".s" means student did not take any courses of this subject. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those	
ntsUnits_AltBus [_API,_GPI,_SPI]	Alternate coding: business related vocational [overall and by general or special education setting]	Alternate coding: business related vocational [overall and by general or special education setting]		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			who had this subject of course but did not earn any credits as well as those who did not take this subject of course.	
<ul style="list-style-type: none"> <li>ntsPctUnits_GPI ntsPctUnits_SPI</li> </ul>	(created)	Percentage of Carnegie unit credits youth earned for courses in general or special education setting while in secondary school	<p><b>Numeric Variable Values</b> Overall percentage of Carnegie unit credits earned in these grades</p> <hr/> <p><b>Notes</b> Calculated as sum of all credits earned in [general/special] setting divided by sum of all credits with a value for setting earned in these grades (ntsUnits_[GPL/SPL]) / ntsUnits_API) X 100 General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course Set ntsPctUnits_GPL to .s if ntsUnit_GPL is missing and ntsUnit_SPL &gt;= 0 Set ntsPctUnits_SPL to .s if ntsUnit_SPL is missing and ntsUnit_GPL &gt;= 0 Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<ul style="list-style-type: none"> <li>ntsPctUnit_[content type] ntsPctUnit_[content type]_[setting]</li> </ul>	(created)	Percentage of Carnegie unit credits youth earned for courses in each content type—overall and by general or special education setting—while in secondary school	<p><b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in these grades</p> <hr/> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Sum of credits earned in content type overall divided by sum of all credits earned (ntsUnits_[type] /</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntsPctUnit_Acad		Percentage of credits earned in academic		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]	courses [overall and by general or special education setting]		ntsUnits_API) X 100	
ntsPctUnit_AnyV [_GPI,_SPI]	Percentage of credits earned in vocational courses [overall and by general or special education setting]		Sum of credits earned in content type in each setting (general or special education) divided by sum of all credits earned with a value for setting (ntsUnits_[type]_[GPL/SPL] / ntsUnits_API) X 100	
ntsPctUnit_OthC [_GPI,_SPI]	Percentage of credits earned in other types of courses [overall and by general or special education setting]		Content types are academic, vocational or other content area	
ntsPctUnit_AltAc [_GPI,_SPI]	Alternate coding: academic courses [overall and by general or special education setting]		Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic	
ntsPctUnit_AltV [_GPI,_SPI]	Alternate coding: vocational courses [overall and by general or special education setting]			
ntsPctUnit_AltOthC [_GPI,_SPI]	Alternate coding: other types of courses [overall and by general or special education setting]		Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
			General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
			Set to .s [skipped] if ntsHad_[type] = 0 [did not have this type of course]	
			Set ntsPctUnit_[type]_GPI to .s if ntsHad_[type] > 0, ntsPctUnit_[type]_GPI is missing, and ntsPctUnit_[type]_SPI >= 0	
			Set ntsPctUnit_[type]_GPI to .s if ntsHad_[type] > 0, ntsPctUnit_[type]_SPI is missing, and ntsPctUnit_[type]_GPI >= 0	
			Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.	
• ntsPctUnit_[content type]_W_[setting]	(created)	Percentage of Carnegie unit credits earned in general or special education setting	<b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in this	<b>Base</b> Students who left secondary school and have course

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		within each content typewhile in secondary school	setting	level transcript data for all grades attended
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntsPctUnit_Acad_W_ [GPI/SPI]	Of those in academic courses, percentage of credits earned in general and special setting		Sum of credits earned in each setting (general or special education) within content type divided by sum of credits earned with a value for setting within content type (ntsUnits_[type]_[GPL/SPL] / ntsUnits_[type]_[API] X 100	Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
ntsPctUnit_AnyV_W_ [GPI/SPI]	Of those in vocational courses, percentage of credits earned in general and special setting		Content types are academic, vocational or other content area	
ntsPctUnit_OthC_W_ [GPI/SPI]	Of those in other types of courses, percentage of credits earned in general and special setting		Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic	
ntsPctUnit_AltAc_W_ [GPI/SPI]	Alternate coding: academic courses [overall and by general or special setting]		Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI"	
ntsPctUnit_AltV_W_ [GPI/SPI]	Alternate coding: vocational courses [overall and by general or special setting]		General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsPctUnit_AltOthC_ W_ [GPI/SPI]	Alternate coding: other types of courses [overall and by general or special setting]		Set ntsPctUnit_[type]_W_GPL to .s if ntsPctUnit_[type]_W_GPL is missing and nts/PctUnit_[type]_W_SPL >= 0 Set ntsPctUnit_[type]_W_SPL to .s if ntsPctUnit_[type]_W_SPL is missing and nts/PctUnit_[type]_W_GPL >= 0	
			Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.	

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			ntsPctUnit_[type] _w_[GPL/SPL] contain the values within the specific content or subject area for setting; use ntsPctUnit_[type] for items overall (not by setting)	
<ul style="list-style-type: none"> <li>ntsPctUnit_[content area]</li> <li>ntsPctUnit_[content area]_[setting]</li> </ul>	(created)	Percentage of Carnegie unit credits youth earned for courses in each content area—overall and by general or special education setting—while in secondary school	<p><b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in these grades</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Percentage of credits earned in academic courses (see ntsPctUnit_Acad under content types)	Sum of credits earned in content area overall divided by sum of all credits earned (ntsUnits_[area] / ntsUnits_API) X 100	
ntsPctUnit_Arts [_GPL,_SPI]		Percentage of credits earned in fine or performing arts courses [overall and by general or special education setting]	Sum of credits earned in content area in each setting (general or special education) divided by sum of all credits earned with a value for setting (ntsUnits_[area]_[GPL/SPL] / ntsUnits_API) X 100	
ntsPctUnit_PE		Percentage of credits earned in physical education courses [overall and by general or special education setting]	Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.	
ntsPctUnit_OccV [_GPL,_SPI]		Percentage of credits earned in occupational vocational courses [overall and by general or special education setting]	Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic	
ntsPctUnit_WS [_GPL,_SPI]		Percentage of credits earned in work study/cooperative education courses [overall and by general or special education setting]	Setting is by general or special education; general ed setting is indicated by the "_GPL" suffix, special by "_SPI," and overall has no variable suffix.	
ntsPctUnit_PreV [_GPL,_SPI]		Percentage of credits earned in prevocational courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsPctUnit_LS [_GPL,_SPI]		Percentage of credits earned in life skills courses [overall and by general or special education setting]	Set to .s [skipped] if ntsHad_[area] = 0 [did not have this type of course]	
ntsPctUnit_Sup [_GPL,_SPI]		Percentage of credits earned in learning supports courses [overall and by general or special education setting]	Set ntsPctUnit_[area]_GPL to .s if ntsHad_[area] > 0, ntsPctUnit_[area]_GPL is	
ntsPctUnit_Oth [_GPL,_SPI]		Percentage of credits earned in other types of courses [overall and by general or special education setting]		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsPctUnit_AltOV [_GPI,_SPI]	Alternate coding: academic (see ntsPctUnit_AltAc under content types)	Alternate coding: occupational vocational [overall and by general or special education setting]	missing, and ntsPctUnit_[area]_SPI >= 0 Set ntsPctUnit_[area]_GPI to .s if ntsHad_[area] > 0, ntsPctUnit_[area]_SPI is missing, and ntsPctUnit_[area]_GPI >= 0	
ntsPctUnit_AltLS [_GPI,_SPI]	Alternate coding: life skills courses [overall and by general or special education setting]		Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.	
• ntsPctUnit_[content area]_W_[setting]	(created)	Percentage of Carnegie unit credits earned for courses in each content area—overall and by general or special setting—while in secondary school	<b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in this setting  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
ntsPctUnit_Art_W_ [GPI/SPI]	Of those in academic courses, percentage of credits earned in general and special setting	Of those in fine or performing arts courses, percentage of credits earned in general and special setting	Sum of credits earned in each setting (general or special education) within content area divided by sum of credits earned with a value for setting within content area (ntsUnits_[area]_[GPL/SPL] / ntsUnits_[area]_API) X 100	
ntsPctUnit_PE_W_ [GPI/SPI]	Of those in physical education courses, percentage of credits earned in general and special setting	Of those in physical education courses, percentage of credits earned in general and special setting	Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.	
ntsPctUnit_OccV_W_ [GPI/SPI]	Percentage of credits earned in occupational vocational courses [overall and by general or special setting]	Percentage of credits earned in occupational vocational courses [overall and by general or special setting]	Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic	
ntsPctUnit_WS_W_ [GPI/SPI]	Of those in work study/cooperative education courses, percentage of credits earned in general and special setting	Of those in work study/cooperative education courses, percentage of credits earned in general and special setting	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI".	
ntsPctUnit_PreV_W_ [GPI/SPI]	Of those in prevocational courses, percentage of credits earned in general and special	Of those in prevocational courses, percentage of credits earned in general and special	General or special setting is assigned by ntcLevel = 4	

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsPctUnit_LS_W_[GPI/SPI]	setting Of those in life skills courses, percentage of credits earned in general and special setting		(special education) or ≠ 4 (setting other than special education) for each course Set ntsPctUnit_[area]_W_GPL to .s if ntsPctUnit_[area]_W_GPL is missing and ntsPctUnit_[area]_W_SPL >= 0	
ntsPctUnit_Sup_W_[GPI/SPI]	Of those in learning supports courses, percentage of credits earned in general and special setting		Set ntsPctUnit_[area]_W_SPL to .s if ntsPctUnit_[area]_W_SPL is missing and ntsPctUnit_[area]_W_GPL >= 0	
ntsPctUnit_Oth_W_[GPI/SPI]	Of those in other types of courses, percentage of credits earned in general and special setting		Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.	
ntsPctUnit_AltOV_W_[GPI/SPI]	Alternate coding: academic (see ntsPctUnit_AltAc under content types) Alternate coding: occupational vocational [overall and by general or special setting]		ntsPctUnit_[area]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntsPctUnit_[area] for items overall (not by setting)	
ntsPctUnit_AltLS_W_[GPI/SPI]	Alternate coding: life skills courses [overall and by general or special setting]			
• ntsPctUnit_[academic subject area] ntsPctUnit_[academic subject area]_[setting]	(created)	Percentage of Carnegie unit credits youth earned for courses in each academic subject area—overall and by general or special education setting—while in secondary school	<b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in these grades <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended Sum of credits earned in subject area overall divided by sum of all credits earned (ntsUnits_[subject] / ntsUnits_API) X 100 Sum of credits earned in subject area in each setting (general or special education) divided by sum of all credits earned with a value for setting (ntsUnits_[subject]_[GPL/SPL] / ntsUnits_API) X 100 Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsPctUnit_Eng[_GPI,_SPI]	Percentage of credits earned in English courses [overall and by general or special education setting]			
ntsPctUnit_Math[_GPI,_SPI]	Percentage of credits earned in math courses [overall and by general or special education setting]			
ntsPctUnit_MaBas	Percentage of credits earned in basic-level math courses [overall and by general or			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]	special education setting]		math—science, social science, foreign language, or other/unspecified	
ntsPctUnit_MaMid [_GPI,_SPI]	Percentage of credits earned in mid-level math courses [overall and by general or special education setting]		Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English	
ntsPctUnit_MaAdv [_GPI,_SPI]	Percentage of credits earned in advanced-level math courses [overall and by general or special education setting]		Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntsPctUnit_Sci [_GPI,_SPI]	Percentage of credits earned in science courses [overall and by general or special education setting]		General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsPctUnit_Soc [_GPI,_SPI]	Percentage of credits earned in social science courses [overall and by general or special education setting]		Set to .s [skipped] if ntsHad_[subject] = 0 [did not have this type of course]	
ntsPctUnit_Lang [_GPI,_SPI]	Percentage of credits earned in foreign language courses [overall and by general or special education setting]		Set ntsPctUnit_[subject]_GPI to .s if ntsHad_[subject] > 0, ntsPctUnit_[subject]_GPI is missing, and ntsPctUnit_[subject]_SPI >= 0	
ntsPctUnit_AltMath [_GPI,_SPI]	Alternate coding: math [overall and by general or special education setting]		Set ntsPctUnit_[subject]_GPI to .s if ntsHad_[subject] > 0, ntsPctUnit_[subject]_SPI is missing, and ntsPctUnit_[subject]_GPI >= 0	
ntsPctUnit_AltMaB [_GPI,_SPI]	Alternate coding: basic-level math [overall and by general or special education setting]		Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.	
ntsPctUnit_AltEn [_GPI,_SPI]	Alternate coding: English [overall and by general or special education setting]			
ntsPctUnit_UnkAc [_GPI,_SPI]	Percentage of credits earned in other/unspecified courses [overall and by general or special education setting]			
• ntsPctUnit_[academic subject area]_W_[setting]	(created)	Percentage of Carnegie unit credits earned in general or special education setting within each academic subject	<b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in this setting	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		area while in secondary school	<b>Notes</b>	Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsPctUnit_Eng_W_[GPI/SPI]	Of those in English courses, percentage of credits earned in general and special setting		Calculated for students who left secondary school and have course level transcript data for all grades attended	
ntsPctUnit_Math_W_[GPI/SPI]	Of those in math courses, percentage of credits earned in general and special setting		Sum of credits earned in each setting (general or special education) within subject area divided by sum of credits earned with a value for setting within subject area (ntsUnits_[subject]_[GPL/SPL] / ntsUnits_[subject]_API) X 100	
ntsPctUnit_MaBas_W_[GPI/SPI]	Of those in basic-level math courses, percentage of credits earned in general and special setting		Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified	
ntsPctUnit_MaMid_W_[GPI/SPI]	Of those in mid-level math courses, percentage of credits earned in general and special setting		Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English	
ntsPctUnit_MaAdv_W_[GPI/SPI]	Of those in advanced-level math courses, percentage of credits earned in general and special setting		Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI"	
ntsPctUnit_Sci_W_[GPI/SPI]	Of those in science courses, percentage of credits earned in general and special setting		General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsPctUnit_Soc_W_[GPI/SPI]	Of those in social science courses, percentage of credits earned in general and special setting		Set ntsPctUnit_[subject]_W_GPL to .s if ntsPctUnit_[subject]_W_GPL is missing and ntsPctUnit_[subject]_W_SPL >= 0	
ntsPctUnit_Lang_W_[GPI/SPI]	Of those in foreign language courses, percentage of credits earned in general and special setting		Set ntsPctUnit_[subject]_W_SPL to .s if ntsPctUnit_[subject]_W_SPL is missing and ntsPctUnit_[subject]_W_GPL >= 0	
ntsPctUnit_AltMath_W_[GPI/SPI]	Alternate coding: math [overall and by general or special education setting]		Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled,	
ntsPctUnit_AltMaB_W_[GPI/SPI]	Alternate coding: basic-level math [overall and by general or special education setting]			
ntsPctUnit_AltEn_W_[GPI/SPI]	Alternate coding: English [overall and by general or special education setting]			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			<p>reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.</p> <p>ntsPctUnit_[subject]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntsPctUnit_[subject] for items overall (not by setting)</p>	
<ul style="list-style-type: none"> <li>ntsPctUnit_[<i>vocational subject area</i>]</li> <li>ntsPctUnit_[<i>vocational subject area</i>]_[<i>setting</i>]</li> </ul>	(created)	Percentage of Carnegie unit credits youth earned for courses in each vocational subject area—overall and by general or special education setting—while in secondary school	<p><b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in these grades</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Sum of credits earned in subject area overall divided by sum of all credits earned (ntsUnits_[<i>subject</i>] / ntsUnits_API) X 100</p> <p>Sum of credits earned in subject area in each setting (general or special education) divided by sum of all credits earned with a value for setting (ntsUnits_[<i>subject</i>]_[GPI/SPL] / ntsUnits_API) X 100</p> <p>Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown</p> <p>Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPL," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntsPctUnit_Agr[_GPI,_SPL]	Percentage of credits earned in agricultural related vocational courses [overall and by general or special education setting]			
ntsPctUnit_Bus[_GPI,_SPL]	Percentage of credits earned in business related vocational courses [overall and by general or special education setting]			
ntsPctUnit_Food[_GPI,_SPL]	Percentage of credits earned in food service and hospitality related vocational courses [overall and by general or special education setting]			
ntsPctUnit_Hlth[_GPI,_SPL]	Percentage of credits earned in health related vocational courses [overall and by general or special education setting]			
ntsPctUnit_Mktg[_GPI,_SPL]	Percentage of credits earned in marketing related vocational courses [overall and by general or special education setting]			
ntsPctUnit_HmEc[_GPI,_SPL]	Percentage of credits earned in home economics related vocational courses [overall and by general or special education setting]			
ntsPctUnit_Tech[_GPI,_SPL]	Percentage of credits earned in technology related vocational courses [overall and by			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsPctUnit_Trd [_GPI,_SPI]		general or special education setting] Percentage of credits earned in trade and industryrelated vocational courses [overall and by general or special education setting]	education) for each course Set to .s [skipped] if ntsHad_[subject] = 0 [did not have this type of course]	
ntsPctUnit_Unk [_GPI,_SPI]		Percentage of credits earned in other/unspecified occupational vocational courses [overall and by general or special education setting]	Set ntsPctUnit_[subject]_GPI to .s if ntsHad_[subject] > 0, ntsPctUnit_[subject]_GPI is missing, and ntsPctUnit_[subject]_SPI >= 0	
ntsPctUnit_AltBus [_GPI,_SPI]		Alternate coding: business related vocational [overall and by general or special education setting]	Set ntsPctUnit_[subject]_GPI to .s if ntsHad_[subject] > 0, ntsPctUnit_[subject]_SPI is missing, and ntsPctUnit_[subject]_GPI >= 0	
			Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.	
• ntsPctUnit_[occupational vocational subject area]_W_[setting]	(created)	Percentage of Carnegie unit credits earned in general or special education setting within each occupational vocational subject areawhile in secondary school	<b>Numeric Variable Values</b> Percentage of Carnegie unit credits earned in this setting  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended  Sum of credits earned in each setting (general or special education) within subject area divided by sum of credits earned with a value for setting within subject area (ntsUnits_[subject]_[GPL/SPL] / ntsUnits_[subject]_API) X 100  Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown Subject areas are assigned using content areas from	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntsPctUnit_Agr_W_[GPI/SPI]		Of those in agricultural related vocational courses, percentage of credits earned in general and special setting		
ntsPctUnit_Bus_W_[GPI/SPI]		Of those in business related vocational courses, percentage of credits earned in general and special setting		
ntsPctUnit_Food_W_[GPI/SPI]		Of those in food service and hospitality related vocational courses, percentage of credits earned in general and special setting		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsPctUnit_Hlth_W_[GPI/SPI]		Of those in health related vocational courses, percentage of credits earned in general and special setting	ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI".  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course  Set ntsPctUnit_[subject]_W_GPL to .s if ntsPctUnit_[subject]_W_GPL is missing and nts/PctUnit_[subject]_W_SPL >= 0  Set ntsPctUnit_[subject]_W_SPL to .s if ntsPctUnit_[subject]_W_SPL is missing and nts/PctUnit_[subject]_W_GPL >= 0  Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of ".s" (skipped). A value of "0" means that the student had this type of course but no units were earned and a value of ".s" means student did not take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have a double meaning and will include those who had this type of course but did not earn any credits as well as those who did not take this type of course.  ntsPctUnit_[subject]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntsPctUnit_[subject] for items overall (not by setting)	
ntsPctUnit_Mktg_W_[GPI/SPI]		Of those in marketing related vocational courses, percentage of credits earned in general and special setting		
ntsPctUnit_HmEc_W_[GPI/SPI]		Of those in home economics related vocational courses, percentage of credits earned in general and special setting		
ntsPctUnit_Tech_W_[GPI/SPI]		Of those in technology related vocational courses, percentage of credits earned in general and special setting		
ntsPctUnit_Trd_W_[GPI/SPI]		Of those in trade and industry courses, percentage of credits earned in general and special setting Percentage of credits earned in related vocational courses [overall and by general or special education setting]		
ntsPctUnit_Unk_W_[GPI/SPI]		Of those in other/unspecified occupational vocational courses courses, percentage of credits earned in general and special setting		
ntsPctUnit_AltBus_W_[GPI/SPI]		Alternate coding: business related vocational [overall and by general or special education setting]		
• ntsHrs	(created)	Total number of course hours while in secondary school	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			Sum of ntcHrs (hours) for all grades attended	
<ul style="list-style-type: none"> <li>ntsHrs_API ntsHrs_GPI ntsHrs_SPI</li> </ul>	(created)	Total number of course hours in any setting (of those who have a value for general or special setting), general and special education setting while in secondary school	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended Sum of ntcHrs (hours) for all grades attended Use ntsHrs_API as denominator for percentage of time in general or special education setting</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended for both ntcHrs and ntcLevel</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<ul style="list-style-type: none"> <li>ntsHrs_GPI_ZF ntsHrs_SPI_ZF</li> </ul>	(created)	Total number of course hours in any setting (of those who have a value for general or special setting), general and special education setting while in secondary school; zero filled for calculating means	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended ntsHrs_[<i>setting</i>] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing Set ntsHrs_GPI_ZF to 0 if ntsHrs_GPI is missing and ntsHrs_SPI &gt;= 0 Set ntsHrs_SPI_ZF to 0 if ntsHrs_SPI is missing and ntsHrs_GPI &gt;= 0</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended for both ntcHrs and ntcLevel</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<ul style="list-style-type: none"> <li>ntsHrs_[<i>content type</i>] ntsHrs_[<i>content type</i>][<i>setting</i>]</li> </ul>	(created)	Total number of course hours youth attended in content types—overall, overall limited to those with a value for setting, and by general or special education setting—while in secondary school	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>			Sum of ntcHrs (hours) in content type overall, overall limited to those with a value for setting, and by setting	
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntsHrs_Acad [_API,_GPI,_SPI]	Hours in academic courses [overall and by general or special education setting]	Content types are academic, vocational, or other content type		
ntsHrs_AnyV [_API,_GPI,_SPI]	Hours in vocational courses [overall and by general or special education setting]	Content types are assigned using course types from ntcType for each course. An alternate coding		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsHrs_OthC [_API,_GPI,_SPI]		Hours in other types of courses [overall and by general or special education setting]	ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course  Set to .s [skipped] if ntgHad_[type] = 0 [did not have this type of course]	
ntsHrs_AltAc [_API,_GPI,_SPI]		Alternate coding: academics [overall and by general or special education setting]		
ntsHrs_AltV [_API,_GPI,_SPI]		Alternate coding: vocational [overall and by general or special education setting]		
ntsHrs_AltOthC [_API,_GPI,_SPI]		Alternate coding: other types of courses [overall and by general or special education setting]		
• ntsHrs_[content type]_ZF ntsHrs_[content type]_[setting]_ZF	(created)	Total number of course hours youth attended in content types—overall and by general or special education setting—while in secondary school; zero filled for calculating means	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended  ntsHrs_[content type]_[setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing  Set ntsHrs_[content type]_ZF and ntsHrs_[content type]_[setting]_ZF to 0 if ntsUnits > 0 and ntsHad_[content type] = 0 (reported units but did not have this type of course)  Set ntsHrs_[content type]_GPI_ZF to 0 if ntsHad_[content type] > 0, ntsHrs_[content type]_GPI is missing, and ntsHrs_[content type]_SPI >= 0  Set ntsHrs_[content type]_GPI_ZF to 0 if ntsHad_[content type] > 0, ntsHrs_[content type]_SPI is missing, and ntsHrs_[content type]_GPI >= 0	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntsHrs_Acad [_GPI,_SPI]_ZF		Hours in academic courses [overall and by general or special education setting]		
ntsHrs_AnyV [_GPI,_SPI]_ZF		Hours in vocational courses [overall and by general or special education setting]		
ntsHrs_OthC [_GPI,_SPI]_ZF		Hours in other types of courses [overall and by general or special education setting]		
ntsHrs_AltAc [_GPI,_SPI]_ZF		Alternate coding: academics [overall and by general or special education setting]		
ntsHrs_AltV [_GPI,_SPI]_ZF		Alternate coding: vocational [overall and by general or special education setting]		
ntsHrs_AltOthC [_GPI,_SPI]_ZF		Alternate coding: other types of courses [overall and by general or special education setting]		
• ntsHrs_[content area] ntsHrs_[content area]_[setting]	(created)	Total number of course hours youth attended in content areas—overall, overall limited	<b>Numeric Variable Values</b> Number of hours	<b>Base</b> Students who left secondary school and have course

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		to those with a value for setting, and by general or special education setting— while in secondary school	<p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p>	level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Hours in academic courses (see ntsHrs_Acad under content types)	Sum of ntcHrs (hours) in content area overall, overall limited to those with a value for setting, and by setting	
ntsHrs_Arts [_API,_GPI,_SPI]		Hours in fine or performing arts courses [overall and by general or special education setting]	Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.	
ntsHrs_PE [_API,_GPI,_SPI]		Hours in physical education courses [overall and by general or special education setting]	Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic	
ntsHrs_OccV [_API,_GPI,_SPI]		Hours in occupational vocational courses [overall and by general or special education setting]	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntsHrs_WS [_API,_GPI,_SPI]		Hours in work study/cooperative education courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsHrs_PreV [_API,_GPI,_SPI]		Hours in prevocational courses [overall and by general or special education setting]	Set to .s [skipped] if ntgHad_[area] = 0 [did not have this type of course]	
ntsHrs_LS [_API,_GPI,_SPI]		Hours in life skills courses [overall and by general or special education setting]		
ntsHrs_Sup [_API,_GPI,_SPI]		Hours in learning supports courses [overall and by general or special education setting]		
ntsHrs_Oth [_API,_GPI,_SPI]		Hours in other courses [overall and by general or special education setting]		
		Alternate coding: academic (see Hrs_AltAc under content types)		
ntsHrs_AltOV [_API,_GPI,_SPI]		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntsHrs_AltLS [_API,_GPI,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntsHrs_[content area]_ZF ntsHrs_[content area]_[setting]_ZF	(created)	Total number of course hours youth attended in content areas—overall and by general or special education setting—	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b></p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p>

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		while in secondary school; zero filled for calculating means	Calculated for students who left secondary school and have course level transcript data for all grades attended	Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Hours in academic courses (see ntsHrs_Acad under content types)	ntsHrs_ <i>[content area]</i> _ <i>[setting]</i> zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing	
ntsHrs_Arts [_GPI,_SPI]_ZF		Hours in fine or performing arts courses [overall and by general or special education setting]	Set ntsHrs_ <i>[content area]</i> _ZF and ntsHrs_ <i>[content area]</i> _ <i>[setting]</i> _ZF to 0 if ntsUnits > 0 and ntsHad_ <i>[content area]</i> = 0 (reported units but did not have this type of course)	
ntsHrs_PE [_GPI,_SPI]_ZF		Hours in physical education courses [overall and by general or special education setting]	Set ntsHrs_ <i>[content area]</i> _GPI_ZF to 0 if ntsHad_ <i>[Content area]</i> > 0, ntsHrs_ <i>[content area]</i> _GPI is missing, and ntsHrs_ <i>[content area]</i> _SPI >= 0	
ntsHrs_OccV [_GPI,_SPI]_ZF		Hours in occupational vocational courses [overall and by general or special education setting]	Set ntsHrs_ <i>[content area]</i> _GPI_ZF to 0 if ntsHad_ <i>[Content area]</i> > 0, ntsHrs_ <i>[content area]</i> _SPI is missing, and ntsHrs_ <i>[content area]</i> _GPI >= 0	
ntsHrs_WS [_GPI,_SPI]_ZF		Hours in work study/cooperative education courses [overall and by general or special education setting]		
ntsHrs_PreV [_GPI,_SPI]_ZF		Hours in prevocational courses [overall and by general or special education setting]		
ntsHrs_LS [_GPI,_SPI]_ZF		Hours in life skills courses [overall and by general or special education setting]		
ntsHrs_Sup [_GPI,_SPI]_ZF		Hours in learning supports courses [overall and by general or special education setting]		
ntsHrs_Oth [_GPI,_SPI]_ZF		Hours in other courses [overall and by general or special education setting]		
		Alternate coding: academic (see Hrs_AltAc under content types)		
ntsHrs_AltOV [_GPI,_SPI]_ZF		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntsHrs_AltLS [_GPI,_SPI]_ZF		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntsHrs_ <i>[academic subject area]</i> ntsHrs_ <i>[academic subject area]</i> _ <i>[setting]</i>	(created)	Total number of course hours youth attended in academic subject areas—overall, overall limited to those with a value for setting, and by general or	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> Calculated for students who left secondary school and	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		special education setting— while in secondary school	have course level transcript data for all grades attended	secondary school and appears to have complete transcript data for grades attended]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsHrs_Eng [_API,_GPI,_SPI]	Hours in English courses [overall and by general or special education setting]	Hours in English courses [overall and by general or special education setting]	Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified	
ntsHrs_Math [_API,_GPI,_SPI]	Hours in math courses [overall and by general or special education setting]	Hours in math courses [overall and by general or special education setting]	Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic- level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English	
ntsHrs_MaBas [_API,_GPI,_SPI]	Hours in basic-level math courses [overall and by general or special education setting]	Hours in basic-level math courses [overall and by general or special education setting]	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntsHrs_MaMid [_API,_GPI,_SPI]	Hours in mid-level math courses [overall and by general or special education setting]	Hours in mid-level math courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsHrs_MaAdv [_API,_GPI,_SPI]	Hours in advanced-level math courses [overall and by general or special education setting]	Hours in advanced-level math courses [overall and by general or special education setting]	Set to .s [skipped] if ntgHad_[ <i>subject</i> ] = 0 [did not have this type of course]	
ntsHrs_Sci [_API,_GPI,_SPI]	Hours in science courses [overall and by general or special education setting]	Hours in science courses [overall and by general or special education setting]		
ntsHrs_Soc [_API,_GPI,_SPI]	Hours in social science courses [overall and by general or special education setting]	Hours in social science courses [overall and by general or special education setting]		
ntsHrs_Lang [_API,_GPI,_SPI]	Hours in courses in foreign language courses [overall and by general or special education setting]	Hours in courses in foreign language courses [overall and by general or special education setting]		
ntsHrs_AltMath [_API,_GPI,_SPI]	Alternate coding: math [overall and by general or special education setting]	Alternate coding: math [overall and by general or special education setting]		
ntsHrs_AltMaB [_API,_GPI,_SPI]	Alternate coding: basic-level math [overall and by general or special education setting]	Alternate coding: basic-level math [overall and by general or special education setting]		
ntsHrs_AltEn [_API,_GPI,_SPI]	Alternate coding: English [overall and by general or special education setting]	Alternate coding: English [overall and by general or special education setting]		
ntsHrs_UnkAc [_API,_GPI,_SPI]	Hours in courses in other/unspecified courses [overall and by general or special education setting]	Hours in courses in other/unspecified courses [overall and by general or special education setting]		
• ntsHrs_[ <i>academic subject area</i> ] <sub>ZF</sub> ntsHrs_[ <i>academic subject area</i> ] <sub>[setting]<sub>ZF</sub></sub>	(created)	Total number of course hours youth attended in academic subject areas—overall and by general or special education setting—while in secondary school; zero filled for calculating means	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>			<p>ntsHrs_<i>[academic subject area]</i>[_setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing</p> <p>Set ntsHrs_<i>[academic subject area]</i>_ZF and ntsHrs_<i>[academic subject area]</i>[_setting]_ZF to 0 if ntsUnits &gt; 0 and ntsHad_<i>[academic subject area]</i> = 0 (reported units but did not have this type of course)</p> <p>Set ntsHrs_<i>[academic subject area]</i>_GPI_ZF to 0 if ntsHad_<i>[academic subject area]</i>&gt; 0, ntsHrs_<i>[academic subject area]</i>_GPI is missing, and ntsHrs_<i>[academic subject area]</i>_SPI &gt; 0</p> <p>Set ntsHrs_<i>[academic subject area]</i>_GPI_ZF to 0 if ntsHad_<i>[academic subject area]</i>, ntsHrs_<i>[academic subject area]</i>_SPI is missing, and ntsHrs_<i>[academic subject area]</i>_GPI &gt; 0</p>	<b>Base: Which Students</b>
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsHrs_Eng [_GPI,_SPI]_ZF	Hours in English courses [overall and by general or special education setting]			
ntsHrs_Math [_GPI,_SPI]_ZF	Hours in math courses [overall and by general or special education setting]			
ntsHrs_MaBas [_GPI,_SPI]_ZF	Hours in basic-level math courses [overall and by general or special education setting]			
ntsHrs_MaMid [_GPI,_SPI]_ZF	Hours in mid-level math courses [overall and by general or special education setting]			
ntsHrs_MaAdv [_GPI,_SPI]_ZF	Hours in advanced-level math courses [overall and by general or special education setting]			
ntsHrs_Sci [_GPI,_SPI]_ZF	Hours in science courses [overall and by general or special education setting]			
ntsHrs_Soc [_GPI,_SPI]_ZF	Hours in social science courses [overall and by general or special education setting]			
ntsHrs_Lang [_GPI,_SPI]_ZF	Hours in courses in foreign language courses [overall and by general or special education setting]			
ntsHrs_AltMath [_GPI,_SPI]_ZF	Alternate coding: math [overall and by general or special education setting]			
ntsHrs_AltMaB [_GPI,_SPI]_ZF	Alternate coding: basic-level math [overall and by general or special education setting]			
ntsHrs_AltEn [_GPI,_SPI]_ZF	Alternate coding: English [overall and by general or special education setting]			
ntsHrs_UnkAc [_GPI,_SPI]_ZF	Hours in courses in other/unspecified courses [overall and by general or special education setting]			
<ul style="list-style-type: none"> <li>ntsHrs_<i>[vocational subject area]</i> ntsHrs_<i>[vocational subject area]</i>[_setting]</li> </ul>	(created)	Total number of course hours youth attended in occupational vocational subject areas—overall, , overall limited to those with a value for setting, and by general or special education setting—while in secondary school	<p><b>Numeric Variable Values</b> Number of hours</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Sum of ntcHrs (hours) in occupational vocational subject area overall, overall limited to those with a</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING</b>				

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
<b>WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>			value for setting, and by setting	
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>			Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown	
ntsHrs_Agr [_API,_GPI,_SPI]	Hours in agricultural related vocational courses [overall and by general or special education setting]		Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English	
ntsHrs_Bus [_API,_GPI,_SPI]	Hours in business related vocational courses [overall and by general or special education setting]		Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntsHrs_Food [_API,_GPI,_SPI]	Hours in food service and hospitality related vocational courses [overall and by general or special education setting]		General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsHrs_Hlth [_API,_GPI,_SPI]	Hours in health related vocational courses [overall and by general or special education setting]		Set to .s [skipped] if ntgHad_ <i>[subject]</i> = 0 [did not have this type of course]	
ntsHrs_Mktg [_API,_GPI,_SPI]	Hours in marketing related vocational courses [overall and by general or special education setting]			
ntsHrs_HmEc [_API,_GPI,_SPI]	Hours in home economics related vocational courses [overall and by general or special education setting]			
ntsHrs_Tech [_API,_GPI,_SPI]	Hours in technology related vocational courses [overall and by general or special education setting]			
ntsHrs_Trd [_API,_GPI,_SPI]	Hours in trade and industry related vocational courses [overall and by general or special education setting]			
ntsHrs_Unk [_API,_GPI,_SPI]	Hours in other/unspecified occupational vocational courses [overall and by general or special education setting]			
ntsHrs_AltBus [_API,_GPI,_SPI]	Alternate coding: business related vocational [overall and by general or special education setting]			
• ntsHrs_ <i>[vocational subject area]</i> _ZF ntsHrs_ <i>[vocational subject area]</i> _ <i>[setting]</i> _ZF	(created)	Total number of course hours youth attended in occupational vocational subject areas—overall and by general or special education setting—while in secondary school; zero filled for calculating means	<b>Numeric Variable Values</b> Number of hours  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended ntsHrs_ <i>[occupational vocational subject</i>	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b> <b>Occupational Vocational Courses (overall and by general or special education setting)</b>			<i>area</i> [_setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing  Set ntsHrs_[ <i>vocational subject area</i> ]._ZF and ntsHrs_[ <i>vocational subject area</i> ].[_setting]._ZF to 0 if ntsUnits > 0 and ntsHad_[ <i>vocational subject area</i> ] = 0 (reported units but did not have this type of course)  Set ntsHrs_[ <i>vocational subject area</i> ]._GPI_ZF to 0 if ntsHad_[ <i>vocational subject area</i> ] > 0, ntsHrs_[ <i>vocational subject area</i> ]._GPI is missing, and ntsHrs_[ <i>vocational subject area</i> ]._SPI >= 0  Set ntsHrs_[ <i>vocational subject area</i> ]._GPI_ZF to 0 if ntsHad_[ <i>vocational subject area</i> ] > 0, ntsHrs_[ <i>vocational subject area</i> ]._SPI is missing, and ntsHrs_[ <i>vocational subject area</i> ]._GPI >= 0	
ntsHrs_Agr [_GPI,_SPI]_ZF	Hours in agricultural related vocational courses [overall and by general or special education setting]			
ntsHrs_Bus [_GPI,_SPI]_ZF	Hours in business related vocational courses [overall and by general or special education setting]			
ntsHrs_Food [_GPI,_SPI]_ZF	Hours in food service and hospitality related vocational courses [overall and by general or special education setting]			
ntsHrs_Hlth [_GPI,_SPI]_ZF	Hours in health related vocational courses [overall and by general or special education setting]			
ntsHrs_Mktg [_GPI,_SPI]_ZF	Hours in marketing related vocational courses [overall and by general or special education setting]			
ntsHrs_HmEc [_GPI,_SPI]_ZF	Hours in home economics related vocational courses [overall and by general or special education setting]			
ntsHrs_Tech [_GPI,_SPI]_ZF	Hours in technology related vocational courses [overall and by general or special education setting]			
ntsHrs_Trd [_GPI,_SPI]_ZF	Hours in trade and industry related vocational courses [overall and by general or special education setting]			
ntsHrs_Unk [_GPI,_SPI]_ZF	Hours in other/unspecified occupational vocational courses [overall and by general or special education setting]			
ntsHrs_AltBus [_GPI,_SPI]_ZF	Alternate coding: business related vocational [overall and by general or special education setting]			
• ntsPctHrs_GPI ntsPctHrs_SPI	(created)	Percentage of time youth spent in general or special education setting while in secondary school		
ntsPctHrs_GPI	Percentage of hours in general setting			
ntsPctHrs_SPI	Percentage of hours in special setting			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			attended Calculated as sum of all hours in [general/special] setting divided by sum of all hours with a value for setting earned in these grades (ntsHrs_[GPL/SPL]) / ntsHrs_API X 100 General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	transcript data for grades attended]
<ul style="list-style-type: none"> <li>ntsPctHrs_GPI_ZF ntsPctHrs_SPI_ZF</li> </ul>	(created)	Percentage of time youth spent in general or special education setting while in secondary school; zero filled for calculating means	<p><b>Numeric Variable Values</b> Overall percentage of hours in these grades in general or special education setting</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended ntsPctHrs_[<i>setting</i>] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing Set ntsPctHrs_GPI_ZF to 0 if ntsHrs_ntsPctHrs_GPI is missing and ntsHrs_ntsPctHrs_SPI &gt;= 0 Set ntsPctHrs_SPI_ZF to 0 if ntsHrs_ntsPctHrs_SPI is missing and ntsHrs_ntsPctHrs_GPI &gt;= 0</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<ul style="list-style-type: none"> <li>ntsPctHrs_GPI_ZF ntsPctHrs_SPI_ZF</li> </ul>	Percentage of hours in general setting Percentage of hours in special setting			
<ul style="list-style-type: none"> <li>ntsPctHrs_[<i>content type</i>] ntsPctHrs_[<i>content type</i>][<i>setting</i>]</li> </ul>	(created)	Percentage of time youth spent in content types—overall and by general or special education setting—while in secondary school	<p><b>Numeric Variable Values</b> Percentage of hours in these grades</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended Sum of hours in content type overall divided by sum of all hours (ntsHrs_[<i>type</i>] / ntsHrs_API) X 100 Sum of hours in content type in each setting (general or special education) divided by sum of all hours with a value for setting (ntsHrs_[<i>type</i>][GPL/SPL] / ntsHrs_API) X 100 Content types are academic, vocational, or other content type Content types are assigned using course types from</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntsPctHrs_Acad [_GPI,_SPI]	Percentage of time in academic courses [overall and by general or special education setting]			
ntsPctHrs_AnyV [_GPI,_SPI]	Percentage of time in vocational courses [overall and by general or special education setting]			
ntsPctHrs_OthC [_GPI,_SPI]	Percentage of time in other types of courses [overall and by general or special education			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsPctHrs_AltAc [_GPI,_SPI]	setting] Alternate coding: academics [overall and by general or special education setting]		ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course  Set to .s [skipped] if ntgHad_[type] = 0 [did not have this type of course]	
ntsPctHrs_AltV [_GPI,_SPI]	Alternate coding: vocational [overall and by general or special education setting]			
ntsPctHrs_AltOthC [_GPI,_SPI]	Alternate coding: other types of courses [overall and by general or special education setting]			
• ntsPctHrs_[content type]_ZF ntsPctHrs_[content type]_[setting]_ZF	(created)	Percentage of time youth spent in content types—overall and by general or special education setting—while in secondary school; zero filled for calculating means	<b>Numeric Variable Values</b> Percentage of hours in these grades  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended  ntsPctHrs_[content type]_[setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing  Set ntsPctHrs_[content type]_ZF and ntsPctHrs_[content type]_[setting]_ZF to 0 if ntsUnits > 0 and ntsHad_content type] = 0 (reported units but did not have this type of course)  Set ntsPctHrs_[content type]_GPI_ZF to 0 if ntsHad_content type] > 0, ntsPctHrs_[content type]_GPI is missing, and ntsPctHrs_[content type]_SPI >= 0  Set ntsPctHrs_[content type]_GPI_ZF to 0 if ntsHad_content type] > 0, ntsPctHrs_[content type]_SPI is missing, and ntsPctHrs_[content type]_GPI >= 0	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntsPctHrs_Acad [_GPI,_SPI]_ZF	Percentage of time in academic courses [overall and by general or special education setting]			
ntsPctHrs_AnyV [_GPI,_SPI]_ZF	Percentage of time in vocational courses [overall and by general or special education setting]			
ntsPctHrs_OthC [_GPI,_SPI]_ZF	Percentage of time in other types of courses [overall and by general or special education setting]			
ntsPctHrs_AltAc [_GPI,_SPI]_ZF	Alternate coding: academics [overall and by general or special education setting]			
ntsPctHrs_AltV [_GPI,_SPI]_ZF	Alternate coding: vocational [overall and by general or special education setting]			
ntsPctHrs_AltOthC [_GPI,_SPI]_ZF	Alternate coding: other types of courses [overall and by general or special education setting]			

Course taking Summary across Grades Attended [File N2Trans_Summary]							
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students			
<ul style="list-style-type: none"> <li>ntsPctHrs_<i>[content type]</i>_W_<i>[setting]</i></li> </ul>	(created)	Percentage of time in general or special education setting within each content type while in secondary school	<p><b>Numeric Variable Values</b> Percentage of hours in this setting</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Sum of hours in each setting (general or special education) within content type divided by sum of hours with a value for setting within content type  <math>(ntsHrs_{[type]}_{[GPL/SPL]} / ntsHrs_{[type]}_{API}) \times 100</math></p> <p>Content types are academic, vocational, or other content type</p> <p>Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI"</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or <math>\neq 4</math> (setting other than special education) for each course</p> <p>ntsPctHrs_<i>[type]</i>_w_<i>[GPI/SPL]</i> contain the values within the specific content or subject area for setting; use ntsPctHrs_<i>[type]</i> for items overall (not by setting)</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>			
	<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>						
	<b>Content Type Courses (overall and by general or special education setting)</b>						
	ntsPctHrs_Acad_W_ <i>[GPI/SPI]</i>	Of those in academic courses, percentage of time in general and special setting					
	ntsPctHrs_AnyV_W_ <i>[GPI/SPI]</i>	Of those in vocational courses, percentage of time in general and special setting					
	ntsPctHrs_OthC_W_ <i>[GPI/SPI]</i>	Of those in other types of courses, percentage of time in general and special setting					
	ntsPctHrs_AltAc_W_ <i>[GPI/SPI]</i>	Alternate coding: academics [overall and by general or special education setting]					
	ntsPctHrs_AltV_W_ <i>[GPI/SPI]</i>	Alternate coding: vocational [overall and by general or special education setting]					
ntsPctHrs_AltOthC_W_ <i>[GPI/SPI]</i>	Alternate coding: other types of courses [overall and by general or special education setting]						
<ul style="list-style-type: none"> <li>ntsPctHrs_<i>[content type]</i>_W_<i>[setting]</i>_ZF</li> </ul>	(created)	Percentage of time in general or special education setting within each content type while in secondary school; zero filled for calculating means	<p><b>Numeric Variable Values</b> Percentage of hours in this setting</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Set ntsPctHrs_<i>[content type]</i>_W_<i>[GPI]</i>_ZF to 0 if ntsPctHrs_<i>[content type]</i>_W_<i>[GPI]</i> is missing and ntsPctHrs_<i>[content type]</i>_W_<i>[SPI]</i> <math>\geq 0</math></p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>			
			<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
			<b>Content Type Courses (overall and by general or special education setting)</b>				
ntsPctHrs_Acad_W_ <i>[GPI/SPI]</i> _ZF	Of those in academic courses, percentage of time in general and special setting						

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsPctHrs_AnyV_W_[GPI/SPI]_ZF		Of those in vocational courses, percentage of time in general and special setting	Set ntsPctHrs_[content type]_W_GPI_ZF to 0 if ntsPctHrs_[content type]_W_SPI is missing and ntsPctHrs_[content type]_W_GPI >= 0  ntsPctHrs_[type]_w_[GPI/SPL]_ZF contain the values within the specific content or subject area for setting; use ntsPctHrs_[type]_ZF for items overall (not by setting)	
ntsPctHrs_OthC_W_[GPI/SPI]_ZF		Of those in other types of courses, percentage of time in general and special setting		
ntsPctHrs_AltAc_W_[GPI/SPI]_ZF		Alternate coding: academics [overall and by general or special education setting]		
ntsPctHrs_AltV_W_[GPI/SPI]_ZF		Alternate coding: vocational [overall and by general or special education setting]		
ntsPctHrs_AltOthC_W_[GPI/SPI]_ZF		Alternate coding: other types of courses [overall and by general or special education setting]		
• ntsPctHrs_[content area] ntsPctHrs_[content area]_[setting]	(created)	Percentage of time youth spent in content areas—overall and by general or special education setting—while in secondary school	<b>Numeric Variable Values</b> Percentage of hours in these grades  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Percentage of time in academic courses (see ntsPctHrs_Acad under content types)	Sum of hours in content area overall divided by sum of all hours (ntsHrs_[area] / ntsHrs_API) X 100	
ntsPctHrs_Arts[_GPI,_SPI]		Percentage of time in fine or performing arts courses [overall and by general or special education setting]	Sum of hours in content area in each setting (general or special education) divided by sum of all hours with a value for setting (ntsHrs_[area]_[GPL/SPL] / ntsHrs_API) X 100	
ntsPctHrs_PE[_GPI,_SPI]		Percentage of time in physical education courses [overall and by general or special education setting]	Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.	
ntsPctHrs_OccV[_GPI,_SPI]		Percentage of time in occupational vocational courses [overall and by general or special education setting]	Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic	
ntsPctHrs_WS[_GPI,_SPI]		Percentage of time in work study/cooperative education courses [overall and by general or special education setting]	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntsPctHrs_PreV[_GPI,_SPI]		Percentage of time in prevocational courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsPctHrs_LS[_GPI,_SPI]		Percentage of time in life skills courses [overall and by general or special education setting]		
ntsPctHrs_Sup		Percentage of time in learning supports		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]		courses [overall and by general or special education setting]	Set to .s [skipped] if ntgHad_[area] = 0 [did not have this type of course]	
ntsPctHrs_Oth [_GPI,_SPI]		Percentage of time in other courses [overall and by general or special education setting]		
		Alternate coding: academic (see Hrs_AltAc under content types)		
ntsPctHrs_AltOV [_GPI,_SPI]		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntsPctHrs_AltLS [_GPI,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntsPctHrs_[content area]_ZF ntsPctHrs_[content area]_[setting]_ZF	(created)	Percentage of time youth spent in content areas—overall and by general or special education setting—while in secondary school; zero filled for calculating means	<b>Numeric Variable Values</b> Percentage of hours in these grades  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Percentage of time in academic courses (see ntsPctHrs_Acad under content types)	ntsPctHrs_[content area]_[setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing  Set ntsPctHrs_[content area]_ZF and ntsPctHrs_[content area]_[setting]_ZF to 0 if ntsUnits > 0 and ntsHad_[content area] = 0 (reported units but did not have this type of course)  Set ntsPctHrs_[content area]_GPI_ZF to 0 if ntsHad_[content area] > 0, ntsPctHrs_[content area]_GPI is missing, and ntsPctHrs_[content area]_SPI >= 0  Set ntsPctHrs_[content area]_GPI_ZF to 0 if ntsHad_[content area] > 0, ntsPctHrs_[content area]_SPI is missing, and ntsPctHrs_[content area]_GPI >= 0	
ntsPctHrs_Arts [_GPI,_SPI]_ZF		Percentage of time in fine or performing arts courses [overall and by general or special education setting]		
ntsPctHrs_PE [_GPI,_SPI]_ZF		Percentage of time in physical education courses [overall and by general or special education setting]		
ntsPctHrs_OccV [_GPI,_SPI]_ZF		Percentage of time in occupational vocational courses [overall and by general or special education setting]		
ntsPctHrs_WS [_GPI,_SPI]_ZF		Percentage of time in work study/cooperative education courses [overall and by general or special education setting]		
ntsPctHrs_PreV [_GPI,_SPI]_ZF		Percentage of time in prevocational courses [overall and by general or special education setting]		
ntsPctHrs_LS [_GPI,_SPI]_ZF		Percentage of time in life skills courses [overall and by general or special education setting]		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsPctHrs_Sup [_GPI,_SPI]_ZF		Percentage of time in learning supports courses [overall and by general or special education setting]		
ntsPctHrs_Oth [_GPI,_SPI]_ZF		Percentage of time in other courses [overall and by general or special education setting]		
		Alternate coding: academic (see Hrs_AltAc under content types)		
ntsPctHrs_AltOV [_GPI,_SPI]_ZF		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntsPctHrs_AltLS [_GPI,_SPI]_ZF		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntsPctHrs_[content area]_W_[setting]	(created)	Percentage of time in general or special education setting within each content area while in secondary school	<b>Numeric Variable Values</b> Percentage of hours in this setting  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Of those in academic courses, percentage of time in general and special setting	Sum of hours in each setting (general or special education) within content area divided by sum of hours with a value for setting within content area (ntsHrs_[area]_[GPL/SPL] / ntsHrs_[type]_API) X 100	
ntsPctHrs_Arts_W_[GPI/SPI]		Of those in fine or performing arts courses, percentage of time in general and special setting		
ntsPctHrs_PE_W_[GPI/SPI]		Of those in physical education courses, percentage of time in general and special setting	Sum of ntcHrs (hours) earned in setting (general or special) in content area divided by sum of all hours in content area (ntsUnits or ntsUnits_API) X 100	
ntsPctHrs_OccV_W_[GPI/SPI]		Percentage of time in occupational vocational courses [overall and by general or special setting]	Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.	
ntsPctHrs_WS_W_[GPI/SPI]		Of those in work study/cooperative education courses, percentage of time in general and special setting	Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic	
ntsPctHrs_PreV_W_[GPI/SPI]		Of those in prevocational courses, percentage of time in general and special setting		
ntsPctHrs_LS_W_[GPI/SPI]		Of those in life skills courses, percentage of time in general and special setting	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI"	
ntsPctHrs_Sup_W_[GPI/SPI]		Of those in learning supports courses, percentage of time in general and special	General or special setting is assigned by ntcLevel = 4	

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsPctHrs_Oth_W_ [GPI/SPI]	setting Of those in other types of courses, percentage of time in general and special setting		(special education) or ≠ 4 (setting other than special education) for each course ntsPctHrs_[area]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntsPctHrs_[area] for items overall (not by setting)	
ntsPctHrs_AltOV_W_ [GPI/SPI]	Alternate coding: academic (see ntsPctHrs_AltAc under content types) Alternate coding: occupational vocational [overall and by general or special education setting]			
ntsPctHrs_AltLS_W_ [GPI/SPI]	Alternate coding: life skills courses [overall and by general or special education setting]			
• ntsPctHrs_[content area]_W_[setting]_ZF	(created)	Percentage of time in general or special education setting within each content area while in secondary school; zero filled for calculating means	<b>Numeric Variable Values</b> Percentage of hours in this setting <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended Set ntsPctHrs_[academic subject area]content area_GPI_ZF to 0 if ntsPctHrs_[academic subject area]content area_GPI is missing and ntsPctHrs_[academic subject area]content area_SPI >= 0 Set ntsPctHrs_[academic subject area]content area_GPI_ZF to 0 if ntsPctHrs_[academic subject area]content area_SPI is missing and ntsPctHrs_[academic subject area]content area_GPI >= 0 ntsPctHrs_[area]_w_[GPI/SPL]_ZF contain the values within the specific content or subject area for setting; use ntsPctHrs_[area]_ZF for items overall (not by setting)	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
	Of those in academic courses, percentage of time in general and special setting			
ntsPctHrs_Arts_W_ [GPI/SPI]_ZF	Of those in fine or performing arts courses, percentage of time in general and special setting			
ntsPctHrs_PE_W_ [GPI/SPI]_ZF	Of those in physical education courses, percentage of time in general and special setting			
ntsPctHrs_OccV_W_ [GPI/SPI]_ZF	Percentage of time in occupational vocational courses [overall and by general or special setting]			
ntsPctHrs_WS_W_ [GPI/SPI]_ZF	Of those in work study/cooperative education courses, percentage of time in general and special setting			
ntsPctHrs_PreV_W_ [GPI/SPI]_ZF	Of those in prevocational courses, percentage of time in general and special setting			
ntsPctHrs_LS_W_ [GPI/SPI]_ZF	Of those in life skills courses, percentage of time in general and special setting			
ntsPctHrs_Sup_W_ [GPI/SPI]_ZF	Of those in learning supports courses, percentage of time in general and special setting			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsPctHrs_Oth_W_[GPI/SPI]_ZF		Of those in other types of courses, percentage of time in general and special setting		
		Alternate coding: academic (see ntsPctHrs_AltAc under content types)		
ntsPctHrs_AltOV_W_[GPI/SPI]_ZF		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntsPctHrs_AltLS_W_[GPI/SPI]_ZF		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntsPctHrs_[ <i>academic subject area</i> ] ntsPctHrs_[ <i>academic subject area</i> ]_[ <i>setting</i> ]	(created)	Percentage of time youth spent in academic subject areas—overall and by general or special education setting—while in secondary school	<b>Numeric Variable Values</b> Percentage of hours in these grades  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsPctHrs_Eng[_GPI,_SPI]		Percentage of time in English courses [overall and by general or special education setting]	Sum of hours in subject area overall divided by sum of all hours (ntsHrs_[ <i>subject</i> ] / ntsHrs_API) X 100	
ntsPctHrs_Math[_GPI,_SPI]		Percentage of time in math courses [overall and by general or special education setting]	Sum of hours in subject area in each setting (general or special education) divided by sum of all hours with a value for setting (ntsHrs_[ <i>subject</i> ]_[GPI/SPI] / ntsHrs_API) X 100	
ntsPctHrs_MaBas[_GPI,_SPI]		Percentage of time in basic-level math courses [overall and by general or special education setting]	Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified	
ntsPctHrs_MaMid[_GPI,_SPI]		Percentage of time in mid-level math courses [overall and by general or special education setting]	Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English	
ntsPctHrs_MaAdv[_GPI,_SPI]		Percentage of time in advanced-level math courses [overall and by general or special education setting]	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.	
ntsPctHrs_Sci[_GPI,_SPI]		Percentage of time in science courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special	
ntsPctHrs_Soc[_GPI,_SPI]		Percentage of time in social science courses [overall and by general or special education setting]		
ntsPctHrs_Lang[_GPI,_SPI]		Percentage of time in courses in foreign language courses [overall and by general or special education setting]		
ntsPctHrs_AltMath		Alternate coding: math [overall and by		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI] ntsPctHrs_AltMaB [_GPI,_SPI] ntsPctHrs_AltEn [_GPI,_SPI] ntsPctHrs_UnkAc [_GPI,_SPI]		general or special education setting] Alternate coding: basic-level math [overall and by general or special education setting] Alternate coding: English [overall and by general or special education setting] Percentage of time in other/unspecified courses [overall and by general or special education setting]	education) for each course Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this type of course]	
• ntsPctHrs_[ <i>academic                      subject area</i> ] <sub>ZF</sub> ntsPctHrs_[ <i>academic                      subject                      area</i> ] <sub>[setting]<sub>ZF</sub> </sub>	(created)	Percentage of time youth spent in academic subject areas— overall and by general or special education setting— while in secondary school; zero filled for calculating means	<b>Numeric Variable Values</b> Percentage of hours in these grades <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended ntsPctHrs_[ <i>academic subject area</i> ] <sub>[setting]</sub> zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing Set ntsPctHrs_[ <i>academic subject area</i> ] <sub>ZF</sub> and ntsPctHrs_[ <i>academic subject area</i> ] <sub>[setting]<sub>ZF</sub> to 0                      if                      ntsUnits &gt; 0 and ntsHad_[<i>academic subject area</i>] =                      0 (reported units but did not have this type of                      course)                      Set ntsPctHrs_[<i>academic subject area</i>]<sub>GPI_ZF</sub> to 0                      if                      ntsHad_[<i>academic subject area</i>] &gt; 0,                      ntsPctHrs_[<i>academic subject area</i>]<sub>GPI</sub> is missing                      and ntsPctHrs_[<i>academic subject area</i>]<sub>SPI</sub> &gt;= 0                      Set ntsPctHrs_[<i>academic subject area</i>]<sub>GPI_ZF</sub> to 0                      if                      ntsHad_[<i>academic subject area</i>] &gt; 0,                      ntsPctHrs_[<i>academic subject area</i>]<sub>SPI</sub> is missing                      and ntsPctHrs_[<i>academic subject area</i>]<sub>GPI</sub> &gt;= 0                 </sub>	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsPctHrs_Eng [_GPI,_SPI] <sub>ZF</sub>		Percentage of time in English courses [overall and by general or special education setting]		
ntsPctHrs_Math [_GPI,_SPI] <sub>ZF</sub>		Percentage of time in math courses [overall and by general or special education setting]		
ntsPctHrs_MaBas [_GPI,_SPI] <sub>ZF</sub>		Percentage of time in basic-level math courses [overall and by general or special education setting]		
ntsPctHrs_MaMid [_GPI,_SPI] <sub>ZF</sub>		Percentage of time in mid-level math courses [overall and by general or special education setting]		
ntsPctHrs_MaAdv [_GPI,_SPI] <sub>ZF</sub>		Percentage of time in advanced-level math courses [overall and by general or special education setting]		
ntsPctHrs_Sci [_GPI,_SPI] <sub>ZF</sub>		Percentage of time in science courses [overall and by general or special education setting]		
ntsPctHrs_Soc [_GPI,_SPI] <sub>ZF</sub>		Percentage of time in social science courses [overall and by general or special education setting]		
ntsPctHrs_Lang [_GPI,_SPI] <sub>ZF</sub>		Percentage of time in courses in foreign language courses [overall and by general or special education setting]		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsPctHrs_AltMath [_GPI,_SPI]_ZF		Alternate coding: math [overall and by general or special education setting]		
ntsPctHrs_AltMaB [_GPI,_SPI]_ZF		Alternate coding: basic-level math [overall and by general or special education setting]		
ntsPctHrs_AltEn [_GPI,_SPI]_ZF		Alternate coding: English [overall and by general or special education setting]		
ntsPctHrs_UnkAc [_GPI,_SPI]_ZF		Percentage of time in other/unspecified courses [overall and by general or special education setting]		
• ntsPctHrs_[ <i>academic subject area</i> ]_W_[ <i>setting</i> ]	(created)	Percentage of time in general or special education setting within each academic subject area while in secondary school	<p><b>Numeric Variable Values</b> Percentage of hours in this setting</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Sum of hours in each setting (general or special education) within subject area divided by sum of hours with a value for setting within subject area  <math display="block">\frac{\text{ntsHrs}_{[subject]}[_{GPL/SPL}]}{\text{ntsHrs}_{[subject]}[_{API}] \times 100}</math></p> <p>Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified</p> <p>Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI"</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsPctHrs_Eng_W_[GPI/SPI]		Of those in English courses, percentage of time in general and special setting		
ntsPctHrs_Math_W_[GPI/SPI]		Of those in math courses, percentage of time in general and special setting		
ntsPctHrs_MaBas_W_[GPI/SPI]		Of those in basic-level math courses, percentage of time in general and special setting		
ntsPctHrs_MaMid_W_[GPI/SPI]		Of those in mid-level math courses, percentage of time in general and special setting		
ntsPctHrs_MaAdv_W_[GPI/SPI]		Of those in advanced-level math courses, percentage of time in general and special setting		
ntsPctHrs_Sci_W_[GPI/SPI]		Of those in science courses, percentage of time in general and special setting		
ntsPctHrs_Soc_W_[GPI/SPI]		Of those in social science courses, percentage of time in general and special setting		
ntsPctHrs_Lang_W_[GPI/SPI]		Of those in foreign language courses, percentage of time in general and special setting		
ntsPctHrs_AltMath_W_[GPI/SPI]		Alternate coding: math [overall and by general or special education setting]		
ntsPctHrs_AltMaB_W		Alternate coding: basic-level math [overall		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsPctHrs_AltEn_W_[GPI/SPI]	and by general or special education setting]		ntsPctHrs_[subject]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntsPctHrs_[subject] for items overall (not by setting)	
ntsPctHrs_AltEn_W_[GPI/SPI]	Alternate coding: English [overall and by general or special education setting]			
• ntsPctHrs_[ <i>academic subject area</i> ]_W_[ <i>setting</i> ]]_ZF	(created)	Percentage of time in general or special education setting within each academic subject area while in secondary school; zero filled for calculating means	<p><b>Numeric Variable Values</b> Percentage of hours in this setting</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Set ntsPctHrs_[<i>academic subject area</i>]]_W_GPI_ZF to 0 if ntsPctHrs_[<i>academic subject area</i>]]_W_GPI is missing and ntsPctHrs_[<i>academic subject area</i>]]_W_SPI &gt;= 0</p> <p>Set ntsPctHrs_[<i>academic subject area</i>]]_W_GPI_ZF to 0 if ntsPctHrs_[<i>academic subject area</i>]]_W_SPI is missing and ntsPctHrs_[<i>academic subject area</i>]]_W_GPI &gt;= 0</p> <p>ntsPctHrs_[subject]_w_[GPI/SPL]]_ZF contain the values within the specific content or subject area for setting; use ntsPctHrs_[subject]]_ZF for items overall (not by setting)</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsPctHrs_Eng_W_[GPI/SPI]]_ZF	Of those in English courses, percentage of time in general and special setting			
ntsPctHrs_Math_W_[GPI/SPI]]_ZF	Of those in math courses, percentage of time in general and special setting			
ntsPctHrs_MaBas_W_[GPI/SPI]]_ZF	Of those in basic-level math courses, percentage of time in general and special setting			
ntsPctHrs_MaMid_W_[GPI/SPI]]_ZF	Of those in mid-level math courses, percentage of time in general and special setting			
ntsPctHrs_MaAdv_W_[GPI/SPI]]_ZF	Of those in advanced-level math courses, percentage of time in general and special setting			
ntsPctHrs_Sci_W_[GPI/SPI]]_ZF	Of those in science courses, percentage of time in general and special setting			
ntsPctHrs_Soc_W_[GPI/SPI]]_ZF	Of those in social science courses, percentage of time in general and special setting			
ntsPctHrs_Lang_W_[GPI/SPI]]_ZF	Of those in foreign language courses, percentage of time in general and special setting			
ntsPctHrs_AltMath_W_[GPI/SPI]]_ZF	Alternate coding: math [overall and by general or special education setting]			
ntsPctHrs_AltMaB_W_[GPI/SPI]]_ZF	Alternate coding: basic-level math [overall and by general or special education setting]			
ntsPctHrs_AltEn_W_[GPI/SPI]]_ZF	Alternate coding: English [overall and by general or special education setting]			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[GPI/SPI]_ZF	general or special education setting]			
• ntsPctHrs_[vocational subject area] ntsPctHrs_[vocational subject area]_[setting]	(created)	Percentage of time youth spent in occupational vocational subject areas—overall and by general or special education setting—while in secondary school	<p><b>Numeric Variable Values</b> Percentage of hours in these grades</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Sum of hours in subject area overall divided by sum of all hours (ntsHrs_[subject] / ntsHrs_API) X 100</p> <p>Sum of hours in subject area in each setting (general or special education) divided by sum of all hours with a value for setting (ntsHrs_[subject]_[GPL/SPL] / ntsHrs_API) X 100</p> <p>Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown</p> <p>Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p> <p>Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this type of course]</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntsPctHrs_Agr[_GPI,_SPI]	Percentage of time in agricultural related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Bus[_GPI,_SPI]	Percentage of time in business related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Food[_GPI,_SPI]	Percentage of time in food service and hospitality related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Hlth[_GPI,_SPI]	Percentage of time in health related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Mktg[_GPI,_SPI]	Percentage of time in marketing related vocational courses [overall and by general or special education setting]			
ntsPctHrs_HmEc[_GPI,_SPI]	Percentage of time in home economics related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Tech[_GPI,_SPI]	Percentage of time in technology related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Trld[_GPI,_SPI]	Percentage of time in trade and industry related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Unk[_GPI,_SPI]	Percentage of time in other/unspecified occupational vocational courses [overall and by general or special education setting]			
ntsPctHrs_AltBus[_GPI,_SPI]	Alternate coding: business related vocational [overall and by general or special education			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
<ul style="list-style-type: none"> <li>ntsPctHrs_[<i>vocational subject area</i>]<sub>ZF</sub> ntsPctHrs_[<i>vocational subject area</i>]<sub>[setting]<sub>ZF</sub></sub></li> </ul>	(created)	Percentage of time youth spent in occupational vocational subject areas—overall and by general or special education setting—while in secondary school; zero filled for calculating means	<p><b>Numeric Variable Values</b> Percentage of hours in these grades</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>ntsPctHrs_[<i>occupational vocational subject area</i>]<sub>[setting]</sub> zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing</p> <p>Set ntsPctHrs_[<i>vocational subject area</i>]<sub>ZF</sub> and ntsPctHrs_[<i>vocational subject area</i>]<sub>[setting]<sub>ZF</sub> to 0 if ntsUnits &gt; 0 and ntsHad_[<i>vocational subject area</i>] = 0 (reported units but did not have this type of course)</sub></p> <p>Set ntsPctHrs_[<i>vocational subject area</i>]<sub>GPI_ZF</sub> to 0 if ntsHad_[<i>vocational subject area</i>] &gt; 0, ntsPctHrs_[<i>vocational subject area</i>]<sub>GPI</sub> is missing. and ntsPctHrs_[<i>vocational subject area</i>]<sub>SPI</sub> &gt;= 0</p> <p>Set ntsPctHrs_[<i>vocational subject area</i>]<sub>GPI_ZF</sub> to 0 if ntsHad_[<i>vocational subject area</i>] &gt; 0, ntsPctHrs_[<i>vocational subject area</i>]<sub>SPI</sub> is missing. and ntsPctHrs_[<i>vocational subject area</i>]<sub>GPI</sub> &gt;= 0</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntsPctHrs_Agr[_GPI,_SPI] <sub>ZF</sub>	Percentage of time in agricultural related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Bus[_GPI,_SPI] <sub>ZF</sub>	Percentage of time in business related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Food[_GPI,_SPI] <sub>ZF</sub>	Percentage of time in food service and hospitality related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Hlth[_GPI,_SPI] <sub>ZF</sub>	Percentage of time in health related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Mktg[_GPI,_SPI] <sub>ZF</sub>	Percentage of time in marketing related vocational courses [overall and by general or special education setting]			
ntsPctHrs_HmEc[_GPI,_SPI] <sub>ZF</sub>	Percentage of time in home economics related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Tech[_GPI,_SPI] <sub>ZF</sub>	Percentage of time in technology related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Trld[_GPI,_SPI] <sub>ZF</sub>	Percentage of time in trade and industry related vocational courses [overall and by general or special education setting]			
ntsPctHrs_Unk[_GPI,_SPI] <sub>ZF</sub>	Percentage of time in other/unspecified occupational vocational courses [overall and by general or special education setting]			
ntsPctHrs_AltBus	Alternate coding: business related vocational [overall and by general or special education			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]_ZF	setting]			
• ntsPctHrs_[vocational subject area]_W_[setting]	(created)	Percentage of time in general or special education setting within each occupational vocational subject while in secondary school	<p><b>Numeric Variable Values</b> Percentage of hours in this setting</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Sum of hours in each setting (general or special education) within subject area divided by sum of hours with a value for setting within subject area (ntsHrs_[subject]_[GPL/SPL] / ntsHrs_[subject]_API) X 100</p> <p>Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown</p> <p>Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI".</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p> <p>ntsPctHrs_[subject]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntsPctHrs_[subject] for items overall (not by setting)</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntsPctHrs_Agr_W_[GPI/SPI]	Of those in agricultural related vocational courses, percentage of time in general and special setting			
ntsPctHrs_Bus_W_[GPI/SPI]	Of those in business related vocational courses, percentage of time in general and special setting			
ntsPctHrs_Food_W_[GPI/SPI]	Of those in food service and hospitality related vocational courses, percentage of time in general and special setting			
ntsPctHrs_Hlth_W_[GPI/SPI]	Of those in health related vocational courses, percentage of time in general and special setting			
ntsPctHrs_Mktg_W_[GPI/SPI]	Of those in marketing related vocational courses, percentage of time in general and special setting			
ntsPctHrs_HmEc_W_[GPI/SPI]	Of those in home economics related vocational courses, percentage of time in general and special setting			
ntsPctHrs_Tech_W_[GPI/SPI]	Of those in technology related vocational courses, percentage of time in general and special setting			
ntsPctHrs_Trd_W_[GPI/SPI]	Of those in trade and industry courses, percentage of time in general and special setting			
ntsPctHrs_Unk_W_[GPI/SPI]	Of those in other/unspecified occupational vocational courses courses, percentage of time in general and special setting			
ntsPctHrs_AltBus_W_[GPI/SPI]	Alternate coding: business related vocational [overall and by general or special education setting]			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
<ul style="list-style-type: none"> <li>ntsPctHrs_[vocational subject area]_W_[setting]_ZF</li> </ul>	(created)	Percentage of time in general or special education setting within each occupational vocational subject while in secondary school; zero filled for calculating means	<p><b>Numeric Variable Values</b> Percentage of hours in this setting</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Set ntsPctHrs_[vocational subject area]_W_GPI_ZF to 0 if ntsPctHrs_[vocational subject area]_W_GPI is missing and ntsPctHrs_[vocational subject area]_W_SPI &gt;= 0</p> <p>Set ntsPctHrs_[vocational subject area]_W_GPI_ZF to 0 if ntsPctHrs_[vocational subject area]_W_SPI is missing and ntsPctHrs_[vocational subject area]_W_GPI &gt;= 0</p> <p>ntsPctHrs_[subject]_w_[GPI/SPL]_ZF contain the values within the specific content or subject area for setting; use ntsPctHrs_[subject]_ZF for items overall (not by setting)</p>	<p><b>Base</b> Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntsPctHrs_Agr_W_[GPI/SPI]_ZF	Of those in agricultural related vocational courses, percentage of time in general and special setting			
ntsPctHrs_Bus_W_[GPI/SPI]_ZF	Of those in business related vocational courses, percentage of time in general and special setting			
ntsPctHrs_Food_W_[GPI/SPI]_ZF	Of those in food service and hospitality related vocational courses, percentage of time in general and special setting			
ntsPctHrs_Hlth_W_[GPI/SPI]_ZF	Of those in health related vocational courses, percentage of time in general and special setting			
ntsPctHrs_Mktg_W_[GPI/SPI]_ZF	Of those in marketing related vocational courses, percentage of time in general and special setting			
ntsPctHrs_HmEc_W_[GPI/SPI]_ZF	Of those in home economics related vocational courses, percentage of time in general and special setting			
ntsPctHrs_Tech_W_[GPI/SPI]_ZF	Of those in technology related vocational courses, percentage of time in general and special setting			
ntsPctHrs_Trd_W_[GPI/SPI]_ZF	Of those in trade and industry courses, percentage of time in general and special setting			
ntsPctHrs_Unk_W_[GPI/SPI]_ZF	Of those in other/unspecified occupational vocational courses courses, percentage of time in general and special setting			
ntsPctHrs_AltBus_W_[GPI/SPI]_ZF	Alternate coding: business related vocational [overall and by general or special education setting]			
<ul style="list-style-type: none"> <li>ntsGPA</li> </ul>	(created)	Weighted grade point average	<b>Numeric Variable Values</b>	<b>Base</b>

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsGPA_GPI ntsGPA_SPI		for courses overall and by general or special education setting while in secondary school	<p>Weighted grade point average</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Cumulative weighted grade point average overall and by setting.</p> <p>Grade point weighted by hours for each course: Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is calculated as sum of weighted grade points ÷ sum of hours</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p>	<p>Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<ul style="list-style-type: none"> <li>ntsGPA_[content type] ntsGPA_[content type]_[setting]</li> </ul>	(created)	Cumulative weighted grade point average for graded courses in each content type overall and by general or special education setting	<p><b>Numeric Variable Values</b> Weighted grade point average</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Cumulative weighted grade point average in content type overall and by setting.</p> <p>Grade point weighted by hours for each course: Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is calculated as sum of weighted grade points ÷ sum of hours</p> <p>Content types are academic, vocational, or other content type</p> <p>Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of</p>	<p><b>Base</b> Students who left secondary school and have graded course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntsGPA_Acad [_GPI,_SPI]	GPA in academic courses [overall and by general or special education setting]			
ntsGPA_AnyV [_GPI,_SPI]	GPA in vocational courses [overall and by general or special education setting]			
ntsGPA_OthC [_GPI,_SPI]	GPA in other types of courses [overall and by general or special education setting]			
ntsGPA_AltAc [_GPI,_SPI]	Alternate coding: academics [overall and by general or special education setting]			
ntsGPA_AltV [_GPI,_SPI]	Alternate coding: vocational [overall and by general or special education setting]			
ntsGPA_AltOthC [_GPI,_SPI]	Alternate coding: other types of courses [overall and by general or special education			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		setting]	<p>other types of courses into academic</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p> <p>Set to .s [skipped] if ntgHad_[type] = 0 [did not have this type of course]</p>	
<ul style="list-style-type: none"> <li>ntsGPA_[content area]</li> <li>ntsGPA_[content area]_[setting]</li> </ul>	(created)	Cumulative weighted grade point average for graded courses in content areas overall and by general or special education setting	<p><b>Numeric Variable Values</b> Weighted grade point average</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Cumulative weighted grade point average in content area overall and by setting</p> <p>Grade point weighted by hours for each course: Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is calculated as sum of weighted grade points ÷ sum of hours</p> <p>Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.</p> <p>Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p>	<p><b>Base</b> Students who left secondary school and have graded course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		GPA in academic courses (see ntsGPA_Acad under content types)		
ntsGPA_Arts [_GPI,_SPI]		GPA in fine or performing arts courses [overall and by general or special education setting]		
ntsGPA_PE [_GPI,_SPI]		GPA in physical education courses [overall and by general or special education setting]		
ntsGPA_OccV [_GPI,_SPI]		GPA in occupational vocational courses [overall and by general or special education setting]		
ntsGPA_WS [_GPI,_SPI]		GPA in work study/cooperative education courses [overall and by general or special education setting]		
ntsGPA_PreV [_GPI,_SPI]		GPA in prevocational courses [overall and by general or special education setting]		
ntsGPA_LS [_GPI,_SPI]		GPA in life skills courses [overall and by general or special education setting]		
ntsGPA_Sup [_GPI,_SPI]		GPA in learning supports courses [overall and by general or special education setting]		
ntsGPA_Oth [_GPI,_SPI]		GPA in other courses [overall and by general or special education setting]		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsGPA_AltOV [_GPI,_SPI]		Alternate coding: academic (see ntsGPA_AltAc under content types) Alternate coding: occupational vocational [overall and by general or special education setting]	Set to .s [skipped] if ntgHad_[area] = 0 [did not have this type of course]	
ntsGPA_AltLS [_GPI,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntsGPA_[ <i>academic subject area</i> ] ntsGPA_[ <i>academic subject area</i> ][_setting]	(created)	Cumulative weighted grade point average for graded courses in academic subject areas overall and by general or special education setting	<b>Numeric Variable Values</b> Weighted grade point average  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended	<b>Base</b> Students who left secondary school and have graded course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsGPA_Eng [_GPI,_SPI]		GPA in English courses [overall and by general or special education setting]	Cumulative weighted grade point average in academic subject area overall and by setting  Grade point weighted by hours for each course: Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is calculated as sum of weighted grade points ÷ sum of hours  Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified  Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	
ntsGPA_Math [_GPI,_SPI]		GPA in math courses [overall and by general or special education setting]		
ntsGPA_MaBas [_GPI,_SPI]		GPA in basic-level math courses [overall and by general or special education setting]		
ntsGPA_MaMid [_GPI,_SPI]		GPA in mid-level math courses [overall and by general or special education setting]		
ntsGPA_MaAdv [_GPI,_SPI]		GPA in advanced-level math courses [overall and by general or special education setting]		
ntsGPA_Sci [_GPI,_SPI]		GPA in science courses [overall and by general or special education setting]		
ntsGPA_Soc [_GPI,_SPI]		GPA in social science courses [overall and by general or special education setting]		
ntsGPA_Lang [_GPI,_SPI]		GPA in courses in foreign language courses [overall and by general or special education setting]		
ntsGPA_AltMath [_GPI,_SPI]		Alternate coding: math [overall and by general or special education setting]		
ntsGPA_AltMaB [_GPI,_SPI]		Alternate coding: basic-level math [overall and by general or special education setting]		
ntsGPA_AltEn [_GPI,_SPI]		Alternate coding: English [overall and by general or special education setting]		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsGPA_UnkAc [_GPI,_SPI]		GPA in other/unspecified courses [overall and by general or special education setting]	Set to .s [skipped] if ntgHad_[ <i>subject</i> ] = 0 [did not have this type of course]	
<ul style="list-style-type: none"> <li>ntsGPA_[<i>vocational subject area</i>] ntsGPA_[<i>vocational subject area</i>][_setting]</li> </ul>	(created)	Cumulative weighted grade point average for graded courses in occupational vocational subject areas overall and by general or special education setting	<p><b>Numeric Variable Values</b> Weighted grade point average</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Cumulative weighted grade point average in occupational vocational subject area overall and by setting</p> <p>Grade point weighted by hours for each course: Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is calculated as sum of weighted grade points ÷ sum of hours</p> <p>Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown</p> <p>Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p> <p>Set to .s [skipped] if ntgHad_[<i>subject</i>] = 0 [did not have this type of course]</p>	<p><b>Base</b> Students who left secondary school and have graded course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntsGPA_Agr [_GPI,_SPI]		GPA in agricultural related vocational courses [overall and by general or special education setting]		
ntsGPA_Bus [_GPI,_SPI]		GPA in business related vocational courses [overall and by general or special education setting]		
ntsGPA_Food [_GPI,_SPI]		GPA in food service and hospitality related vocational courses [overall and by general or special education setting]		
ntsGPA_Hlth [_GPI,_SPI]		GPA in health related vocational courses [overall and by general or special education setting]		
ntsGPA_Mktg [_GPI,_SPI]		GPA in marketing related vocational courses [overall and by general or special education setting]		
ntsGPA_HmEc [_GPI,_SPI]		GPA in home economics related vocational courses [overall and by general or special education setting]		
ntsGPA_Tech [_GPI,_SPI]		GPA in technology related vocational courses [overall and by general or special education setting]		
ntsGPA_Trde [_GPI,_SPI]		GPA in trade and industry related vocational courses [overall and by general or special education setting]		
ntsGPA_Unk [_GPI,_SPI]		GPA in other/unspecified occupational vocational courses [overall and by general or		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
		special education setting] Alternate coding: business related vocational [overall and by general or special education setting]		
• ntsFail ntsFail_[content type]_[setting]	(created)	If youth ever had a failing grade for evaluated courses— overall and by general or special education setting— while in secondary school	<b>Numeric Variable Values</b> 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended Sum if any ntcPassFail = 2 (failed) for courses in content type overall and by setting Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
• ntsFail_[content type] ntsFail_[content type]_[setting]	(created)	If youth ever had a failing grade for evaluated courses in each content type—overall and by general or special education setting—while in secondary school	<b>Numeric Variable Values</b> 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended Sum if any ntcPassFail = 2 (failed) for courses in content type overall and by setting Content types are academic, vocational, or other content type Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business English out of vocational and life skills math out of other types of courses into academic	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT TYPE AND SETTING WITHIN CONTENT TYPE</b>				
<b>Content Type Courses (overall and by general or special education setting)</b>				
ntsFail_Acad [_GPI,_SPI]	Had a failing grade in academic courses [overall and by general or special education setting]			
ntsFail_AnyV [_GPI,_SPI]	Had a failing grade in vocational courses [overall and by general or special education setting]			
ntsFail_OthC [_GPI,_SPI]	Had a failing grade in other types of courses [overall and by general or special education setting]			
ntsFail_AltAc	Alternate coding: academics [overall and by			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI] ntsFail_AltV [_GPI,_SPI] ntsFail_AltOthC [_GPI,_SPI]		general or special education setting] Alternate coding: vocational [overall and by general or special education setting] Alternate coding: other types of courses [overall and by general or special education setting]	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course  Set to .s [skipped] if ntgHad_[type] = 0 [did not have this type of course]	
• ntsFail_[content area] ntsFail_[content area]_[setting]	(created)	If youth ever had a failing grade for evaluated courses in each content area—overall and by general or special education setting—while in secondary school	<b>Numeric Variable Values</b> 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended  Sum if any ntcPassFail = 2 (failed) for courses in content area overall and by setting  Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.  Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic  Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix.  General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course  Set to .s [skipped] if ntgHad_[area] = 0 [did not have this type of course]	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>				
<b>Content Area Courses (overall and by general or special education setting)</b>				
		Had a failing grade in academic courses (see ntsFail_Acad under content types)		
ntsFail_Arts [_GPI,_SPI]		Had a failing grade in fine or performing arts courses [overall and by general or special education setting]		
ntsFail_PE [_GPI,_SPI]		Had a failing grade in physical education courses [overall and by general or special education setting]		
ntsFail_OccV [_GPI,_SPI]		Had a failing grade in occupational vocational courses [overall and by general or special education setting]		
ntsFail_WS [_GPI,_SPI]		Had a failing grade in work study/cooperative education courses [overall and by general or special education setting]		
ntsFail_PreV [_GPI,_SPI]		Had a failing grade in prevocational courses [overall and by general or special education setting]		
ntsFail_LS [_GPI,_SPI]		Had a failing grade in life skills courses [overall and by general or special education setting]		
ntsFail_Sup [_GPI,_SPI]		Had a failing grade in learning supports courses [overall and by general or special education setting]		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsFail_Oth [_GPI,_SPI]		Had a failing grade in other courses [overall and by general or special education setting]		
		Alternate coding: academic (see ntsFail_AltAc under content types)		
ntsFail_AltOV [_GPI,_SPI]		Alternate coding: occupational vocational [overall and by general or special education setting]		
ntsFail_AltLS [_GPI,_SPI]		Alternate coding: life skills courses [overall and by general or special education setting]		
• ntsFail_[ <i>academic subject area</i> ] ntsFail_[ <i>academic subject area</i> ][_setting]	(created)	If youth ever had a failing grade for evaluated courses in each academic subject area—overall and by general or special education setting—while in secondary school	<b>Numeric Variable Values</b> 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended Sum if any ntcPassFail = 2 (failed) for courses in academic subject area overall and by setting Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course Set to .s [skipped] if	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsFail_Eng [_GPI,_SPI]		Had a failing grade in English courses [overall and by general or special education setting]		
ntsFail_Math [_GPI,_SPI]		Had a failing grade in math courses [overall and by general or special education setting]		
ntsFail_MaBas [_GPI,_SPI]		Had a failing grade in basic-level math courses [overall and by general or special education setting]		
ntsFail_MaMid [_GPI,_SPI]		Had a failing grade in mid-level math courses [overall and by general or special education setting]		
ntsFail_MaAdv [_GPI,_SPI]		Had a failing grade in advanced-level math courses [overall and by general or special education setting]		
ntsFail_Sci [_GPI,_SPI]		Had a failing grade in science courses [overall and by general or special education setting]		
ntsFail_Soc [_GPI,_SPI]		Had a failing grade in social science courses [overall and by general or special education setting]		
ntsFail_Lang [_GPI,_SPI]		Had a failing grade in courses in foreign language courses [overall and by general or		

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsFail_AltMath [_GPI,_SPI]		special education setting] Alternate coding: math [overall and by general or special education setting]	ntgHad_[ <i>subject</i> ] = 0 [did not have this type of course]	
ntsFail_AltMaB [_GPI,_SPI]		Alternate coding: basic-level math [overall and by general or special education setting]		
ntsFail_AltEn [_GPI,_SPI]		Alternate coding: English [overall and by general or special education setting]		
ntsFail_UnkAc [_GPI,_SPI]		Had a failing grade in other/unspecified courses [overall and by general or special education setting]		
ntsFail_[ <i>vocational subject area</i> ] ntsFail_[ <i>vocational subject area</i> ][_setting]	(created)	If youth ever had a failing grade for evaluated courses in each vocational subject area— overall and by general or special education setting— while in secondary school		
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntsFail_Agr [_GPI,_SPI]		Had a failing grade in agricultural related vocational courses [overall and by general or special education setting]		
ntsFail_Bus [_GPI,_SPI]		Had a failing grade in business related vocational courses [overall and by general or special education setting]		
ntsFail_Food [_GPI,_SPI]		Had a failing grade in food service and hospitality related vocational courses [overall and by general or special education setting]		
ntsFail_Hlth [_GPI,_SPI]		Had a failing grade in health related vocational courses [overall and by general or special education setting]		
ntsFail_Mktg [_GPI,_SPI]		Had a failing grade in marketing related vocational courses [overall and by general or special education setting]		
ntsFail_HmEc [_GPI,_SPI]		Had a failing grade in home economics related vocational courses [overall and by general or special education setting]		
ntsFail_Tech [_GPI,_SPI]		Had a failing grade in technology related vocational courses [overall and by general or		



Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntsPctFail_[content area]_W_[setting]		area—overall and by general or special education setting—while in secondary school	Percentage of courses failed within content area	course level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
<b>CONTENT AREA AND SETTING WITHIN CONTENT AREA</b>			<b>Notes</b>	
<b>Content Area Courses (overall and by general or special education setting)</b>			Calculated for students who left secondary school and have course level transcript data for all grades attended	
Percentage of courses failed within academic courses (see ntsPctFail_Acad under content types)			Percentage of courses failed within content area overall and by setting	
ntsPctFail_Arts_W [GPI,SPI]	Percentage of courses failed within fine or performing arts courses [overall and by general or special education setting]	Percentage calculated as sum of ntcHrs (hours) in content area where ntcPassFail = 2 (failed) ÷ sum of ntcHrs (hours) in content area X 100	Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.	
ntsPctFail_PE_W [GPI,SPI]	Percentage of courses failed within physical education courses [overall and by general or special education setting]	Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic	Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI"	
ntsPctFail_OccV_W [GPI,SPI]	Percentage of courses failed within occupational vocational courses [overall and by general or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	ntsPctFail_[area]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntsPctFail_[area] for items overall (not by setting)	
ntsPctFail_WS_W [GPI,SPI]	Percentage of courses failed within work study/cooperative education courses [overall and by general or special education setting]			
ntsPctFail_PreV_W [GPI,SPI]	Percentage of courses failed within prevocational courses [overall and by general or special education setting]			
ntsPctFail_LS_W [GPI,SPI]	Percentage of courses failed within life skills courses [overall and by general or special education setting]			
ntsPctFail_Sup_W [GPI,SPI]	Percentage of courses failed within learning supports courses [overall and by general or special education setting]			
ntsPctFail_Oth_W [GPI,SPI]	Percentage of courses failed within other courses [overall and by general or special education setting]			
Alternate coding: academic [overall and by general or special education setting] (see ntsPctFail_AltAc[_GPI,SPI] under content types)				
ntsPctFail_AltOV_W [GPI,SPI]	Alternate coding: occupational vocational [overall and by general or special education setting]			
ntsPctFail_AltLS_W	Alternate coding: life skills courses [overall			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
	[_GPI,_SPI]	and by general or special education setting]		
<ul style="list-style-type: none"> <li>ntsPctFail_[<i>academic subject area</i>]_W</li> <li>ntsPctFail_[<i>academic subject area</i>]_W_[<i>setting</i>]</li> </ul>	(created)	Percentage of courses youth failed within each academic subject area—overall and by general or special education setting—while in secondary school	<p><b>Numeric Variable Values</b> Percentage of courses failed within subject area</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Percentage of courses failed within academic subject area overall and by setting</p> <p>Percentage calculated as sum of ntcHrs (hours) in subject area where ntcPassFail = 2 (failed) ÷ sum of ntcHrs (hours) in subject area X 100</p> <p>Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified. Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPI"</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p> <p>ntsPctFail_[subject]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntsPctFail_[subject] for items overall (not by setting)</p>	<p><b>Base</b> Students who left secondary school and have graded course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA</b>				
<b>Academic Subjects Courses (overall and by general or special education setting)</b>				
ntsPctFail_Eng_W [_GPI,_SPI]	Percentage of courses failed within English courses [overall and by general or special education setting]			
ntsPctFail_Math_W [_GPI,_SPI]	Percentage of courses failed within math courses [overall and by general or special education setting]			
ntsPctFail_MaBas_W [_GPI,_SPI]	Percentage of courses failed within basic-level math courses [overall and by general or special education setting]			
ntsPctFail_MaMid_W [_GPI,_SPI]	Percentage of courses failed within mid-level math courses [overall and by general or special education setting]			
ntsPctFail_MaAdv_W [_GPI,_SPI]	Percentage of courses failed within advanced-level math courses [overall and by general or special education setting]			
ntsPctFail_Sci_W [_GPI,_SPI]	Percentage of courses failed within science courses [overall and by general or special education setting]			
ntsPctFail_Soc_W [_GPI,_SPI]	Percentage of courses failed within social science courses [overall and by general or special education setting]			
ntsPctFail_Lang_W [_GPI,_SPI]	Percentage of courses failed within courses in foreign language courses [overall and by general or special education setting]			
ntsPctFail_AltMath_W [_GPI,_SPI]	Alternate coding: math [overall and by general or special education setting]			
ntsPctFail_AltMaB_W [_GPI,_SPI]	Alternate coding: basic-level math [overall and by general or special education setting]			
ntsPctFail_AltEn_W [_GPI,_SPI]	Alternate coding: English [overall and by general or special education setting]			

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
<ul style="list-style-type: none"> <li>ntsPctFail_[vocational subject area]_W</li> <li>ntsPctFail_[vocational subject area]_W_[setting]</li> </ul>	(created)	Percentage of courses failed within each vocational subject area—overall and by general or special education setting—while in secondary school	<p><b>Numeric Variable Values</b> Percentage of courses failed within subject area</p> <p><b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Percentage of courses failed within occupational vocational subject area overall and by setting</p> <p>Percentage calculated as sum of ntcHrs (hours) in subject area where ntcPassFail = 2 (failed) ÷ sum of ntcHrs (hours) in subject area X 100</p> <p>Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown</p> <p>Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math and business English from occupational vocational business into academic English</p> <p>Setting is by general or special education; general ed setting is indicated by the "_GPI" suffix, special by "_SPL"</p> <p>General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course</p> <p>ntsPctFail_[subject]_w_[GPI/SPL] contain the values within the specific content or subject area for setting; use ntsPctFail_[subject] for items overall (not by setting)</p>	<p><b>Base</b> Students who left secondary school and have graded course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
<b>OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA</b>				
<b>Occupational Vocational Courses (overall and by general or special education setting)</b>				
ntsPctFail_Agr_W [_GPI,_SPL]	Percentage of courses failed within agricultural related vocational courses [overall and by general or special education setting]			
ntsPctFail_Bus_W [_GPI,_SPL]	Percentage of courses failed within business related vocational courses [overall and by general or special education setting]			
ntsPctFail_Food_W [_GPI,_SPL]	Percentage of courses failed within food service and hospitality related vocational courses [overall and by general or special education setting]			
ntsPctFail_Hlth_W [_GPI,_SPL]	Percentage of courses failed within health related vocational courses [overall and by general or special education setting]			
ntsPctFail_Mktg_W [_GPI,_SPL]	Percentage of courses failed within marketing related vocational courses [overall and by general or special education setting]			
ntsPctFail_HmEc_W [_GPI,_SPL]	Percentage of courses failed within home economics related vocational courses [overall and by general or special education setting]			
ntsPctFail_Tech_W [_GPI,_SPL]	Percentage of courses failed within technology related vocational courses [overall and by general or special education setting]			
ntsPctFail_Trd_W [_GPI,_SPL]	Percentage of courses failed within trade and industry related vocational courses [overall and by general or special education setting]			
ntsPctFail_Unk_W [_GPI,_SPL]	Percentage of courses failed within other/unspecified occupational vocational courses [overall and by general or special education setting]			
ntsPctFail_AltBus_W	Alternate coding: business related vocational			

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Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPI,_SPI]	[overall and by general or special education setting]			
• ntsVocInlv	(created)	Scale describing extent of vocational involvement within an occupational area while youth was in secondary school	<p><b>Numeric Variable Values</b></p> <ol style="list-style-type: none"> <li>1 No vocational courses</li> <li>2 Prevocational/career education</li> <li>3 One or more occupational vocational classes—occupational area(s) unidentified</li> <li>4 Survey of vocational (1-3 courses in one occupational area)</li> <li>5 Sequence of vocational (4 or more courses in one occupational area)</li> </ol> <p><b>Notes</b>                      Calculated for students who left secondary school and have course level transcript data for all grades attended                      Set to 1 [no voc] if                      ntsHad_OccV and ntsHad_PreV = 0 [no classes in prevocational or occupational vocational]                      Set 2 [prevocational] if                      ntsHad_OccV = 0 and ntsHad_PreV = 1 [courses in prevocational but no classes in occupational vocational]                      Set 3 [unidentified occupational vocational] if                      ntsNbr_Unk &gt;= 1 and all other ntsNbr_[voc subject areas] are missing [had courses in occupational voc but subject areas unidentified]                      Set 4 [survey of occupational vocational] if                      sum of ntsNbr_[single voc subject area] = 1-3 [had 1-3 courses in a single occupational voc area]                      Set 5 [sequence of occupational vocational] if                      sum of ntsNbr_[single voc subject area] = &gt;= 4 [had 4 or more courses in a single occupational voc area]</p>	<p><b>Base</b>                      Students who left secondary school and have course level transcript data for all grades attended                      Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
• ntsVocScale	(created)	Scale describing the extent of vocational involvement and work experience within an occupational area while youth was in secondary school	<p><b>Numeric Variable Values</b></p> <ol style="list-style-type: none"> <li>1 No vocational courses</li> <li>2 No vocational courses but had work experience</li> <li>3 Prevocational/career education</li> <li>4 Prevocational/career education and work</li> </ol>	<p><b>Base</b>                      Students who left secondary school and have course level transcript data for all grades attended                      Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			experience 5 One or more occupational vocational classes— occupational area(s) unidentified 6 One or more occupational vocational classes— occupational area(s) unidentified—and work experience 7 Survey of vocational (1-3 courses in one occupational area) 8 Survey of vocational (1-3 courses in one occupational area) and work experience 9 Sequence of vocational (4 or more courses in one occupational area) 10 Sequence of vocational (4 or more courses in one occupational area) and work experience in sped setting 11 Sequence of vocational (4 or more courses in one occupational area) and work experience in general setting	transcript data for grades attended]
			<b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended Set to 1 [no voc] if ntsVocInvlv = 1 and ntsVocHad_WS ne 1 [had no voc or work study] Set to 2 [no voc but had work study] if ntsVocInvlv and ntsVocHad_WS = 1 [had no voc but had work study] Set to 3 [prevocational] if ntsVocInvlv = 2 and ntsVocHad_WS ne 1 [courses in prevocational but no work study] Set to 4 [prevocational and work study] if ntsVocInvlv = 2 and ntsVocHad_WS = 1 [courses in prevocational and work study] Set to 5 [unidentified occupational vocational] if ntsVocInvlv = 3 and ntsVocHad_WS ne 1 [had courses in occupational voc but subject areas unidentified and no work study] Set to 6 [unidentified occupational vocational and	

Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			work study] if ntsVocInvlv = 3 and ntsVocHad_WS = 1 [had courses in occupational voc but subject areas unidentified and work study]  Set to 7 [survey of occupational vocational] if ntsVocInvlv = 4 and ntsVocHad_WS ne 1 [had 1-3 courses in a single occupational voc area but no work study]  Set to 8 [survey of occupational vocational and work study] if ntsVocInvlv = 4 and ntsVocHad_WS = 1 [had 1-3 courses in a single occupational voc area and work study]  Set 9 [sequence of occupational vocational] if ntsVocInvlv = 5 and ntsVocHad_WS ne 1 [had 4 or more courses in a single occupational voc area but no work study]  Set 10 [sequence of occupational vocational and work study in special setting only] if ntsVocInvlv = 5, ntsVocHad_WS_Spl = 1, and ntsVocHad_WS_GPI ne 1 [had 4 or more courses in a single occupational voc area and work study in special setting only]  Set 11 [sequence of occupational vocational and work study in general setting] if ntsVocInvlv = 5 and ntsVocHad_WS_GPI = 1 [had 4 or more courses in a single occupational voc area and work study in general setting]	
• ntsSpechSch	(created)	If any courses while in secondary school were in a special school or setting, including home school, correctional facility, or school for youth with disabilities	<b>Numeric Variable Values</b> 1 Yes 0 No  <b>Notes</b> Calculated for students who left secondary school and have course level transcript data for all grades attended  Set to 1[yes] if any ntcRegSchool = 2 [any course was in a special school or setting] for this grade  Set to 0 [no] if	<b>Base</b> Students who left secondary school and have course level transcript data for all grades attended  Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]

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Course taking Summary across Grades Attended [File N2Trans_Summary]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			all ntcRegSchool = 1 [all courses were in a typical school or setting] for this grade	
• ntsTrGrade_[09-14]	(created)	Youth had course level data in his/her transcript for this grade	<p><b>Numeric Variable Values</b></p> <p>1 Yes 0 No</p> <hr/> <p><b>Notes</b></p> <p>Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Set to 1[yes] if any ntcGrLevel = [grade level] [one or more courses were reported for this grade level]</p> <p>Set to 0 [no] if all ntcGrLevel ≠ [grade level] [no courses were reported for this grade level]</p>	<p><b>Base</b></p> <p>Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>
	ntsTrGrade_09	Had course level data for grade 9		
	ntsTrGrade_10	Had course level data for grade 10		
	ntsTrGrade_11	Had course level data for grade 11		
	ntsTrGrade_12	Had course level data for grade 12		
	ntsTrGrade_13	Had course level data for grade 13		
	ntsTrGrade_14	Had course level data for ungraded		
• ntsGrdFirstYr	Transcript	Earliest school year enrolled as reported in this transcript	<p><b>Numeric Variable Values</b></p> <p>1 1996-1997 2 1997-1998 3 1998-1999 4 1999-2000 5 2000-2001 6 2001-2002 7 2006-2003 8 2007-2004 9 2008-2005 10 2009-2006 11 1997-2007 12 1998-2008</p>	<p><b>Base</b></p> <p>Students who left secondary school and have graded course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>

E2—NLTS2 Wave 5 Transcript Data

Course taking Summary across Grades Attended [File N2Trans_Summary]					
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students	
• ntsGrdLastYr	Transcript	Latest school year enrolled as reported in this transcript	<p><b>Numeric Variable Values</b></p> <p>1 1996-1997</p> <p>2 1997-1998</p> <p>3 1998-1999</p> <p>4 1999-2000</p> <p>5 2000-2001</p> <p>6 2001-2002</p> <p>7 2006-2003</p> <p>8 2007-2004</p> <p>9 2008-2005</p> <p>10 2009-2006</p> <p>11 1997-2007</p> <p>12 1998-2008</p>	<p><b>Base</b></p> <p>Students who left secondary school and have graded course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>	
• ntsYrsInGrades	(created)	Number of school years to complete all grade levels reported in youth's course level data	<p><b>Numeric Variable Values</b></p> <p>Number of years</p> <p><b>Notes</b></p> <p>Calculated for students who left secondary school and have course level transcript data for all grades attended</p> <p>Number of school years reported in course-level data</p>	<p><b>Base</b></p> <p>Students who left secondary school and have course level transcript data for all grades attended</p> <p>Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]</p>	

E2—NLTS2 Wave 5 Transcript Data

Transcript Demographic Variables and Weights [all files except by Year and by Course]					
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students	
<i>The following demographic variables and weights appear in all Transcript Related Files</i>					
• Tr_Wt	(calculated)	Weight for transcript data	<b>Numeric Variable Values</b> Weight	<b>Base</b> All Students with transcript data	
• Tr_Wt_Repl_[01-32]	(calculated)	Replicate weights for transcript data	<b>Numeric Variable Values</b> Weight	<b>Base</b> All Students with transcript data	
• Tr_DisHdr	(created)	Disability category for table column headings	<b>Numeric Variable Values</b> 1 Learning disability 2 Speech impairment 3 Mental Retardation 4 Emotional disturbance 5 Hearing impairment 6 Visual impairment 7 Orthopedic or Physical impairment 8 Other health impairment 9 Autism 10 Traumatic brain injury 11 Multiple disabilities 12 Deaf-blindness	<b>Base</b> All Students with transcript data	
• Tr_EthHdr	(created)	Race/ethnicity for table column headings	<b>Numeric Variable Values</b> 1 White 2 African American/black 3 Hispanic 4 Asian/Pacific Islander 5 American Indian/Alaska Native  <b>Notes</b> Set to most recent value of ethnicity from parent/guardian interview: W5_EthHdr2009, W4_EthHdr2007, W3_EthHdr2005, W2_EthHdr2003, or W1_EthHdr2001	<b>Base</b> All Students with transcript data and value for ethnicity from parent/guardian interview	
• Tr_GenHdr	(created)	Gender for table column headings	<b>Numeric Variable Values</b> 1 Male 2 Female  <b>Notes</b> Set to most recent value of gender from parent/guardian interview: W5_GendHdr2009,	<b>Base</b> All Students with transcript data and value for ethnicity from parent/guardian interview	

E2—NLTS2 Wave 5 Transcript Data

Transcript Demographic Variables and Weights [all files except by Year and by Course]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			W4_GendHdr2007, W3_GendHdr2005, W2_GendHdr2003, or np1GendHdr	
• Tr_IncomeHdr	(created)	Most recently reported parent/guardian household income as of final transcript for table column headings	<p><b>Numeric Variable Values</b></p> <p>1 \$25,000 or less</p> <p>2 \$25,001 - \$50,000</p> <p>3 More than \$50,000</p> <p><b>Notes</b></p> <p>Set to value of W1_IncomeHdr2001 if ntaLvSchYr = 1-7 (1996/97-2002/03)</p> <p>Set to value of W2_IncomeHdr2003 if ntaLvSchYr = 8-9 (2003/04-2004/05)</p> <p>Set to value of W3_IncomeHdr2005 if ntaLvSchYr = 10-11 (2005/06-2006/07)</p> <p>Set to value of W4_IncomeHdr2007 if ntaLvSchYr = 12 (2007/08)</p> <p>Set to value of income from next nearest Parent/Guardian Interview wave if income variable nearest the leave date as noted above is missing [use next closest from W1_IncomeHdr2001, W2_IncomeHdr2003, W3_IncomeHdr2005 W4_IncomeHdr2007, or W5_IncomeHdr2009]</p>	<p><b>Base</b></p> <p>All Students with transcript data and a value for income from parent/guardian interview data</p>
• Tr_IncomeHdrGr...[9-14]	(created)	Most recently reported parent/guardian household income as of first year in grade level for table column headings	<p><b>Numeric Variable Values</b></p> <p>1 \$25,000 or less</p> <p>2 \$25,001 - \$50,000</p> <p>3 More than \$50,000</p> <p><b>Notes</b></p> <p>Set to value of W1_IncomeHdr2001 if ntcGrdFirstyr = 1-7 (1996/97-2002/03)</p> <p>Set to value of W2_IncomeHdr2003 if ntcGrdFirstyr = 8-9 (2003/04-2004/05)</p> <p>Set to value of W3_IncomeHdr2005 if ntcGrdFirstyr = 10-11 (2005/06-2006/07)</p> <p>Set to value of W4_IncomeHdr2007 if ntcGrdFirstyr = 12 (2007/08)</p> <p>Set to value of income from next nearest Parent/Guardian Interview wave if income variable nearest the leave date as noted</p>	<p><b>Base</b></p> <p>All Students with transcript data for this grade and a value for income from parent/guardian interview data</p>
Tr_IncomeHdrGr9	Income header for grade 9 data			
Tr_IncomeHdrGr10	Income header for grade 10 data			
Tr_IncomeHdrGr11	Income header for grade 11 data			
Tr_IncomeHdrGr12	Income header for grade 12 data			
Tr_IncomeHdrGr13	Income header for grade 13 data			
Tr_IncomeHdrGr14	Income header for ungraded data			

E2—NLTS2 Wave 5 Transcript Data

Transcript Demographic Variables and Weights [all files except by Year and by Course]				
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
			above is missing [use next closest from W1_IncomeHdr2001, W2_IncomeHdr2003, W3_IncomeHdr2005 W4_IncomeHdr2007, or W5_IncomeHdr2009]	
• Tr_LvStat	(created)	If student left school, he or she completed secondary school or dropped out	<p><b>Numeric Variable Values</b></p> <p>1 Graduated, received a certificate/tested to get diploma, or aged out</p> <p>2 Dropped out/left for other reason</p> <p><b>Notes</b></p> <p>Set to 1 [graduated/certificated/aged out] if ntaFinStat= 1 or 2 [graduated or got a certificate from high school or aged out]</p> <p>Set to 2 [dropped out]if ntaFinStat = 3 [dropped out]</p> <p>Value if missing if ntaFinStat is &gt; 3 [still in school or status unknown]</p>	<b>Base</b> Students who left school as of final transcript
• Tr_LvAge	(calculated)	Age of student when he or she when he/she left school	<p><b>Numeric Variable Values</b></p> <p>Age</p> <p><b>Notes</b></p> <p>Age calculated from student's birth date and school leaving date</p>	<b>Base</b> Students who left school as of final transcript
• Tr_Age[ <i>school year</i> ]	(calculated)	Age of student as of December 1 of each academic school year	<p><b>Numeric Variable Values</b></p> <p>Age as of December 1</p> <p><b>Notes</b></p> <p>Age on December 1 calculated from student's birth date for school years in transcript data</p>	<b>Base</b> All students with transcripts
tr_Age1996_1201	Dec 1 age in the 1996-1997 school year			
tr_Age1997_1201	Dec 1 age in the 1997-1998 school year			
tr_Age1998_1201	Dec 1 age in the 1998-1999 school year			
tr_Age1999_1201	Dec 1 age in the 1999-2000 school year			
tr_Age2000_1201	Dec 1 age in the 2000-2001 school year			
tr_Age2001_1201	Dec 1 age in the 2001-2002 school year			
tr_Age2002_1201	Dec 1 age in the 2002-2003 school year			
tr_Age2003_1201	Dec 1 age in the 2003-2004 school year			
tr_Age2004_1201	Dec 1 age in the 2004-2005 school year			
tr_Age2005_1201	Dec 1 age in the 2005-2006 school year			
tr_Age2006_1201	Dec 1 age in the 2006-2007 school year			
tr_Age2007_1201	Dec 1 age in the 2007-2008 school year			

### Transcript Course Codes and Categories

Course Codes and Categories					
Category	Course Code	Course	Content Type	Content Area	Subject Area <sup>1</sup>
Agriculture	0100	Agriculture/forestry (includes animals, plant production, horticulture, wildlife)	Vocational	Occupational	Agriculture
Business	0200	Business (includes accounting, office machines, banking and finance, entrepreneurship, business law)	Vocational	Occupational	Business
	0204	Word processing and keyboarding			
Computer and Information Sciences	0300	Computer (includes web design, programming, computer applications, computer graphics in graphics, (Business Computer Information Sciences [BCIS]))	Vocational	Occupational	Technology
	0300.5	Computer science	Academics	Academics	Science
Construction Trades	0400	Construction/building trades (includes carpentry, woodworking, cabinetmaking, masonry, air conditioning, refrigeration, heating, plumbing, electricity, building maintenance)	Vocational	Occupational	Trade and industry
Consumer and Homemaking	0500	Consumer and homemaking (includes home economics, sewing, furnishing)	Other	Life skills	
	0503	Food and nutrition, food science, cooking, culinary			
	0503.5	Food and nutrition, food science, cooking, culinary (vocational)	Vocational	Occupational	Food service and hospitality
	0505	Child development, parenting, child care	Other	Life skills	
	0505.5	Child development, parenting, child care (vocational)	Vocational	Occupational	Home economics
	0513	Life skills, living skills	Other	Life skills	
	0515	Resource management			
	0516	Personal development			
	0517	Consumer economics, personal finance			
	0529	Elder care	Vocational	Occupational	Health
0530	Hospitality/travel/tourism	Food service and hospitality			
Cosmetology	0600	Cosmetology (includes barbering, nails, facials)	Vocational	Occupational	Trade and industry
Drafting	0700	Drafting or CAD (computer assisted drafting)	Vocational	Occupational	Technology

<sup>1</sup> Subject area assigned for academic subject areas and occupational vocational subject areas only

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Course Codes and Categories					
Category	Course Code	Course	Content Type	Content Area	Subject Area <sup>1</sup>
Electives	0800	Electives (includes Independent study, senior project)	Other	Other	
	0821	Aide (includes office aide, student aide, teacher aide, guidance aide, library aide, peer tutor)	Vocational	Prevocational	
	0803	Study skills, study hall, test preparation	Other	Learning supports	
	0843	School governance, leadership		Other	
	0851	Community service, volunteer			
Energy, Power, and Transportation technologies	0900	Energy, power and transportation technologies (includes automobiles, motorcycle, aircraft, aviation, marine, boat, mechanics, engines, repair)	Vocational	Occupational	Trade and industry
English	1000	English/Language Arts (includes composition, literature, language arts, writing, most English courses except below)	Academics	Academics	English
	1030	Reading			
	1070	Business English , employment English	Vocational <i>[alternate coding: academics]</i>	Occupational <i>[alternate coding: academics]</i>	Business <i>[alternate coding: English]</i>
	1061	English as a Second Language (ESL)	Academics	Academics	English
	1080	Speech, public speaking, forensics (debate)			
Fine and Performing Arts	1100	Fine and performing arts	Other	Fine and performing arts	
	1107	Dance			
	1110	Drama, acting, stagecraft, plays, theater			
	1120	Music – band, specific instruments, chorus, vocal ensembles, music theory, appreciation			
	1154	Art – drawing, sculpture, pottery, ceramics, prints, crafts, art history, art appreciation			
	1171	Photography, film			
Foreign language	1200	Foreign language and literature	Academics	Academics	Foreign language
	1201	Spanish			
	1205	French			
	1208	Italian			
	1210	German			
	1214	Other European languages (Portuguese, Russian, Latin, Greek)			

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Course Codes and Categories					
Category	Course Code	Course	Content Type	Content Area	Subject Area <sup>1</sup>
	1228	East Asian, Southeast Asian, or Pacific Island language (Mandarin, Cantonese, Japanese, Korean, Vietnamese, Tagalog)			
	1281	Sign language			
Graphic and Printing Communication	1300	Graphic and printing communications, computer graphics, graphic arts	Vocational	Occupational	Trade and industry
Health and Safety Education	1400	Health and safety Education	Other	Life skills	
	1408	Drug education			
	1410	Driver's education			
Health Care Sciences	1500	Health care sciences (includes nursing, home health care, medical office, medical lab, EKG, Dental assisting, Vision care assisting)	Vocational	Occupational	Health
Industrial Technology Education	1600	Industrial/Technology Education (includes employability skills, manufacturing systems, production systems)	Vocational	Occupational	Trade and industry
Science	1700	Science (includes life skills science, basic science)	Academics	Academics	Science
	1701	Environmental science, earth science, geology, physical science, astronomy, marine science, aerospace science			
	1711	Biology, anatomy, physiology,			
	1721	Chemistry			
	1731	Physics			
	1732	Integrated physics and chemistry			
Marketing	1800	Marketing (includes fashion marketing, real estate marketing, retail marketing, advertising, selling, warehouse operations, cashier/checker operations, distributive education)	Vocational	Occupational	Marketing
Mass Communication	1900	Mass communication (includes journalism, broadcast, film, television, photojournalism, media, yearbook)	Academics	Academics	English
Mathematics	2000	Math	Academics	Academics	Math: basic
	2000.5	Advanced math			Math: advanced
	2003	Integrated math			Math: basic
	2005	Higher level math			
	2012	Basic-level math, general math, remedial math, fundamental math			
	2017	Life skills math	Other	Life skills	
	2021	Pre-algebra	Academics	Academics	Math: basic

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Course Codes and Categories					
Category	Course Code	Course	Content Type	Content Area	Subject Area <sup>1</sup>
	2022	Principles of algebra and geometry			Math: mid-level
	2031	Algebra I			
	2034	Geometry			
	2041	Algebra II			Math: advanced
	2043	Algebra/trigonometry			
	2044	Trigonometry			
	2048	Trigonometry/geometry			
	2053	Pre-calculus			
	2060	Business math, job skills math	Vocational <i>[alternate coding: academics]</i>	Occupational <i>[alternate coding: academics]</i>	Business <i>[alternate coding: Math: basic]</i>
	2061	Statistics and probability	Academics	Academics	Math: advanced
2077	Calculus (including differential and multivariate calculus, calculus AB, and calculus BC)				
Military Science	2100	Military science, ROTC	Vocational	Occupational	Technology
Multidisciplinary Studies	2200	Multidisciplinary Studies Humanities,	Academics	Academics	Social science
Physical Education	2300	Physical education, PE (includes team sports, gymnastics, weight training, swimming, tennis, specific sports activities, fitness)	Other	PE and health	
	2302	Physical education/health			
	2316	Adapted physical education			
Precision Metalwork	2400	Precision metalwork (includes machining, metalworking, sheet metal, welding)	Vocational	Occupational	Trade and industry
Public, Protective and Social Services	2500	Public, protective and social services (includes criminal justice, fire fighting, civil engineering)	Vocational	Occupational	Trade and industry
Religious Education and Theology	2600	Religious education and theology (includes Eastern and western religions, scriptures, Bible studies, liturgy, ethics and morality, ministry, Christian lifestyle, faith)	Academics	Academics	Social science
Social Sciences and History	2700	Social sciences and history (includes law)	Academics	Academics	Social science
	2703	Geography			
	2715	World history			
	2720	U.S. or American history			

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Course Codes and Categories					
Category	Course Code	Course	Content Type	Content Area	Subject Area <sup>1</sup>
	2733	Political science/government			
	2741	Economics			
	2754	History-other (includes State/European History)			
	2770	Social science/philosophy (includes psychology, sociology, anthropology, philosophy)			
Special/Exceptional Education	2800	Special/exceptional education	Other	Learning supports	
	2801	Learning strategies			
	2802	Special resources			
	2803	Community living			
	2804	Mobility instruction			
	2805	Communication instruction			
	2806	Social development instruction			
	2807	Transition	Other		
	2808	Braille	Academics	Academics	Foreign language
	2809	Self-contained classroom	Other	Learning supports	
	2810	Resource room			
	2811	Academics in a special education setting	Academics	Academics	Other/unspecified
2812	Homebound Instruction	Other	Learning supports		
Careers	3000	Careers	Vocational	Prevocational	
	3001	General career preparation/exploration			
	3002	Cooperative education			
	3003	Coordinated studies			
	3004	Introduction to occupations			
	3005	Occupational/vocational – Unspecified			
	3006	School to work			
	3008	Work			
	3009	College planning	Other	Other	
Homeroom	4000	Homeroom	Other	Other	

Course Categories and Codes by Content and Subject Areas					
Content Type	Content Area	Subject Area <sup>2</sup>	Category	Course	Course Code
Academics	Academics	Other/unspecified	Special/Exceptional Education	Academics in a special education setting	2811
Academics	Academics	English	English	English/Language Arts (includes composition, literature, language arts, writing, most English courses except below)	1000
				Reading	1030
				English as a Second Language (ESL)	1061
				Speech, public speaking, forensics (debate)	1080
			Mass Communication	Mass communication (includes journalism, broadcast, film, television, photojournalism, media, yearbook)	1900
Academics	Academics	Foreign language	Foreign language	Foreign language and literature	1200
				Spanish	1201
				French	1205
				Italian	1208
				German	1210
				Other European languages (Portuguese, Russian, Latin, Greek)	1214
				East Asian, Southeast Asian, or Pacific Island language (Mandarin, Cantonese, Japanese, Korean, Vietnamese, Tagalog)	1228
				Sign language	1281
			Special/Exceptional Education	Braille	2808
Academics	Academics	Math: advanced	Mathematics	Advanced math	2000.5
				Algebra/trigonometry	2043
				Trigonometry	2044
				Trigonometry/geometry	2048
				Pre-calculus	2053
				Statistics and probability	2061
				Calculus (including differential and multivariate calculus, calculus AB, and calculus BC)	2077
Academics	Academics	Math: basic	Mathematics	Math	2000
				Integrated math	2003

<sup>2</sup> Subject area assigned for academic subject areas and occupational vocational subject areas only

Course Categories and Codes by Content and Subject Areas					
Content Type	Content Area	Subject Area <sup>2</sup>	Category	Course	Course Code
				Higher level math	2005
				Basic-level math, general math, remedial math, fundamental math	2012
				Pre-algebra	2021
Academics	Academics	Math: mid-level	Mathematics	Principles of algebra and geometry	2022
				Algebra I	2031
				Geometry	2034
				Algebra II	2041
Academics	Academics	Science	Computer and Information Sciences	Computer science	0300.5
			Science	Science (includes life skills science, basic science)	1700
				Environmental science, earth science, geology, physical science, astronomy, marine science, aerospace science	1701
				Biology, anatomy, physiology,	1711
				Chemistry	1721
				Physics	1731
				Integrated physics and chemistry	1732
Academics	Academics	Social science	Multidisciplinary Studies	Multidisciplinary Studies Humanities,	2200
			Religious Education and Theology	Religious education and theology (includes Eastern and western religions, scriptures, Bible studies, liturgy, ethics and morality, ministry, Christian lifestyle, faith)	2600
			Social Sciences and History	Social sciences and history (includes law)	2700
				Geography	2703
				World history	2715
				U.S. or American history	2720
				Political science/government	2733
				Economics	2741
				History-other (includes State/European History)	2754
			Social science/philosophy (includes psychology, sociology, anthropology, philosophy)	2770	
Other	Fine and performing arts		Fine and Performing Arts	Fine and performing arts	1100
				Dance	1107

Course Categories and Codes by Content and Subject Areas					
Content Type	Content Area	Subject Area <sup>2</sup>	Category	Course	Course Code
				Drama, acting, stagecraft, plays, theater	1110
				Music – band, specific instruments, chorus, vocal ensembles, music theory, appreciation	1120
				Art – drawing, sculpture, pottery, ceramics, prints, crafts, art history, art appreciation	1154
				Photography, film	1171
Other	Learning supports		Electives	Study skills, study hall, test preparation	0803
			Special/Exceptional Education	Special/exceptional education	2800
				Learning strategies	2801
				Special resources	2802
				Self-contained classroom	2809
				Resource room	2810
				Homebound Instruction	2812
Other	Life skills		Consumer and Homemaking	Consumer and homemaking (includes home economics, sewing, furnishing)	0500
				Food and nutrition, food science, cooking, culinary	0503
				Child development, parenting, child care	0505
				Life skills, living skills	0513
				Resource management	0515
				Personal development	0516
				Consumer economics, personal finance	0517
			Health and Safety Education	Health and safety Education	1400
				Drug education	1408
				Driver's education	1410
			Mathematics	Life skills math	2017
			Special/Exceptional Education	Community living	2803
				Mobility instruction	2804
				Communication instruction	2805
				Social development instruction	2806
Other	Other		Electives	Electives (includes Independent study, senior project)	0800
				School governance, leadership	0843

Course Categories and Codes by Content and Subject Areas					
Content Type	Content Area	Subject Area <sup>2</sup>	Category	Course	Course Code
				Community service, volunteer	0851
			Special/Exceptional Education	Transition	2807
			Careers	College planning	3009
			Homeroom	Homeroom	4000
Other	Physical education and health		Physical Education	Physical education, PE (includes team sports, gymnastics, weight training, swimming, tennis, specific sports activities, fitness)	2300
				Physical education/health	2302
				Adapted physical education	2316
Vocational	Work Study		Careers	Cooperative education	3002
				Work	3008
	Occupational	Other/unspecified		Occupational/vocational – Unspecified	3005
Vocational	Occupational	Agriculture	Agriculture	Agriculture/forestry (includes animals, plant production, horticulture, wildlife)	0100
Vocational	Occupational	Business	Business	Business (includes accounting, office machines, banking and finance, entrepreneurship, business law)	0200
				Word processing and keyboarding	0204
Vocational	Occupational	Food service and hospitality	Consumer and Homemaking	Food and nutrition, food science, cooking, culinary (vocational)	0503.5
				Hospitality/travel/tourism	0530
Vocational	Occupational	Health	Consumer and Homemaking	Elder care	0529
			Health Care Sciences	Health care sciences (includes nursing, home health care, medical office, medical lab, EKG, Dental assisting, Vision care assisting)	1500
Vocational	Occupational	Home economics	Consumer and Homemaking	Child development, parenting, child care (vocational)	0505.5
Vocational	Occupational	Marketing	Marketing	Marketing (includes fashion marketing, real estate marketing, retail marketing, advertising, selling, warehouse operations, cashier/checker operations, distributive education)	1800
Vocational	Occupational	Technology	Computer and Information Sciences	Computer (web design, programming, computer applications, computer graphics, (Business Computer Information Sciences-BCIS)	0300
			Drafting	Drafting or CAD (computer assisted drafting)	0700
			Military Science	Military science, ROTC	2100
Vocational	Occupational	Trade and industry	Construction Trades	Construction/building trades (includes carpentry, woodworking, cabinetmaking, masonry, air conditioning, refrigeration, heating, plumbing, electricity, building maintenance)	0400

Course Categories and Codes by Content and Subject Areas					
Content Type	Content Area	Subject Area <sup>2</sup>	Category	Course	Course Code
			Cosmetology	Cosmetology (includes barbering, nails, facials)	0600
			Energy, Power, and Transportation technologies	Energy, power and transportation technologies (includes automobiles, motorcycle, aircraft, aviation, marine, boat, mechanics, engines, repair)	0900
			Graphic and Printing Communication	Graphic and printing communications, computer graphics, graphic arts	1300
			Industrial Technology Education	Industrial/Technology Education (includes employability skills, manufacturing systems, production systems)	1600
			Precision Metalwork	Precision metalwork (includes machining, metalworking, sheet metal, welding)	2400
			Public, Protective and Social Services	Public, protective and social services (includes criminal justice, fire fighting, civil engineering)	2500
Vocational <i>[alternate coding: academics]</i>	Occupational <i>[alternate coding: academics]</i>	Business <i>[alternate coding: English]</i>	English	Business English , employment English	1070
Vocational <i>[alternate coding: academics]</i>	Occupational <i>[alternate coding: academics]</i>	Business <i>[alternate coding: Math: basic]</i>	Mathematics	Business math, job skills math	2060
Vocational	Prevocational		Electives	Aide (includes office aide, student aide, teacher aide, guidance aide, library aide, peer tutor)	0821
			Careers	Careers	3000
				General career preparation/exploration	3001
				Coordinated studies	3003
				Introduction to occupations	3004
				School to work	3006

## Key to Composite Variable Names in Summarized Transcript Data

Many of the variable names in the summary data are repetitive and have a uniform construct. There is a prefix indicating how the variable is summarized and followed by the summarized data item such as a percentage, classification of courses summarized, and, if it is by general or special education setting, a suffix indicating setting.

Classifications of courses are described more fully below; they are broadly defined as:

Content type

Content area (expansion of content type)

Academic subject area (expansion of a content area item)

Occupational vocational subject area (expansion of a content area item)

### Key to Summarization Prefix

Prefix	Summarization
ntg	Summarized by grade level
nts	Summarized across grade levels for those who have transcript data for the grade levels attended

### Key to Data Item Tags

Tag	Data Item Summarized For These Courses
Had	If had these courses
Nbr	Number of courses
Units	Number of semester equivalent Carnegie credit units earned
PctUnit	Percentage of semester equivalent Carnegie credit units earned
Hrs	Number of semester equivalent course hours
PctHrs	Percentage of semester equivalent course hours
GPA	Grade point average
Fail	Number of failing grades
PctFail	Percentage of failing grades

**Key to Classification of Courses Tags**

<b>Tag</b>	<b>Classification of Courses</b>
<b>Content Types</b>	
Acad	Academics (same as that listed in content area academics)
AnyV	Any vocational (occupational vocational, work study, or prevocational)
OthC	Other types of courses (other than academics or vocational)
AltAc	Academics with alternate coding (also listed in content area academics with alternate coding; includes business math, business English, and life skills math)
AltV	Any vocational with alternate coding (excludes business math and business English)
AltOthC	Other types of courses with alternate coding (excludes life skills math)
<b>Content Areas (expansion of Content Types)</b>	
Acad	Academics (same as that listed in content type academics)
Arts	Fine or performing Arts
PE	Physical education or health
OccV	Vocational: occupational vocational
WS	Vocational: work study
PreV	Vocational: prevocational
LS	Life Skills
Sup	Learning supports
Oth	Other content area
AltAc	Academics with alternate coding (same as content type academics with alternate coding; includes business math, business English, and life skills math)
AltOV	Vocational: occupational vocational alternate coding (excludes business math and business English)
AltLS	Life skills with alternate coding (excludes life skills math)
<b>Academic Subject Areas (Expansion of a Content Area)</b>	
Eng	English
Math	Math: any level (includes basic, mid-level, and advanced math)
MaBas	Math: basic-level math
MaMid	Math: mid-level math

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<b>Tag</b>	<b>Classification of Courses</b>
MaAdv	Math: advanced-level math
Sci	Science
Soc	Social science
Lang	Foreign language
Alt Math	Math: any level alternate coding (all levels of math and includes business math and life skills math)
AltMaB	Math: basic-level math alternate coding (includes business math and life skills math)
AltEn	English alternate coding (includes business English)
UnkAc	Other/unspecified
<b>Occupational Vocational Subject Areas (Expansion of a Content Area)</b>	
Agr	Agriculture
Bus	Business
Food	Food service and hospitality
Hlth	Health related
Mktg	Marketing
HmEc	Home economics
Tech	Technology
Trd	Trade and Industry
Unk	Other/unspecified
AltBus	Business alternate coding (excludes business math and business English)

**Key to Setting Suffix**

Suffix	Setting
[null]	Any setting, including general, special, or setting unknown
APL	Any setting (of those with a value for general or special education setting; used for a denominator for percentage in each setting)
GPL	General education setting
SPL	Special education setting
_W	Percentage in general setting within a content type, content area, academic subject area, or occupational vocational subject area
W_GPI	Percentage in general ed setting within a content type, content area, academic subject area, or occupational vocational subject area
W_SPL	Percentage in special education setting within a content type, content area, academic subject area, or occupational vocational subject area

**Examples of Composite Variable Names**

Variable Component	Element	Description
<b>Example variable: ntgUnits_AnyV_GPI</b>		
ntgUnits_AnyV_GPI	Summarization prefix	Summarized by grade level
ntgUnits_AnyV_GPI	Data item tag	number of semester equivalent credit units earned
ntgUnits_AnyV_GPI	Classification tag	in content type vocational
ntgUnits_AnyV_GPI	Setting suffix	in general ed setting
<b>Example variable: ntsPctUnit_Art</b>		
ntsPctUnit_Art	Summarization prefix	Summarized across grade levels
ntsPctUnit_Art	Data item tag	number of semester equivalent credit units earned
ntsPctUnit_Art	Classification tag	in content area fine or performing arts
ntsPctUnit_Art	[Setting suffix null]	Overall (in any setting)

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<b>Variable Component</b>	<b>Element</b>	<b>Description</b>
<b>Example variable: ntsGPA_Sci_SPI</b>		
<b>nts</b> GPA_Sci_SPI	Summarization prefix	Summarized across grade levels
nts <b>GPA</b> _Sci_SPI	Data item tag	grade point average
ntsGPA_ <b>Sci</b> _SPI	Classification tag	in academic subject area science
ntsGPA_Sci_ <b>SPI</b>	Setting suffix	in special ed setting
<b>Example variable: ntsNbr_Tech_GPI</b>		
<b>nts</b> Nbr_Tech_GPI	Summarization prefix	Summarized across grade levels
nts <b>Nbr</b> _Tech_GPI	Data item tag	number of courses
ntsNbr_ <b>Tech</b> _GPI	Classification tag	in occupational vocational subject area technology
ntsNbr_Tech_ <b>GPI</b>	Setting suffix	in general ed setting