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.

Linked Contents

File Specifications

Transcript Data Overall [File N2Trans Overall]

Transcript Data by Year [File: N2Trans ByYear]

Transcript Data by Course [File N2Trans ByCourse]

Course taking Summary by Grade Level [File N2Trans GradeLvl]

Course taking Summary across Grades Attended [File N2Trans Summary]

Transcript Demographic Variables and Weights [all files except by Year and by Course]

Course Codes and Categories

Course Codes and Categories

Course Categories and Codes by Content and Subject Areas

Key to Composite Variable Names in Summarized Transcript Data

File Specifications

Files:

N2Trans_Overall N2Trans_GradeLvl N2Trans_ByYear N2Trans_Summary

N2Trans_ByCourse

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]

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

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	Numeric Variable Values 1 First term 2 Second term 3 Third term 4 Fourth term	Base Students who left school as of final transcript		
ntaDiploma	Transcript	Diploma or certificate type of students who completed secondary school	Numeric Variable Values 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	Base 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	Numeric Variable Values 1 Yes 0 No	Base All Students with transcript data		
ntaAveDaysAbsent	Transcript	Average number of days absent per year for years attended as reported in this transcript	Numeric Variable Values Average number of days absent per year	Base All Students with absentee data in transcript data		
ntaGrade[09-14] ntaGrade_09 ntaGrade_10 ntaGrade_11 ntaGrade_12 ntaGrade_13 ntaGrade_14	Student has t Student has t Student has t Student has t	Grade levels reported for student in this transcript ranscript data for grade 9 ranscript data for grade 10 ranscript data for grade 11 ranscript data for grade 12 ranscript data for grade 13 ranscript data for ungraded	Numeric Variable Values 1 Yes 0 No	Base All Students with 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		
			One Record per sc	hool year for students with transcript data for that year			
•	ID	ID	Individual youth ID	Numeric Variable Values 5-digit ID number Notes Randomly generated for public use data	Base All Students with transcript data		
•	ntyyear	Transcript	Academic school year spanning fall through summer for this record	Numeric Variable Values 1	Base All Students with transcript data		
•	ntyAbsent	Transcript	Number of days absent in this school year	Numeric Variable Values Number of days absent	Base All Students with transcript data		
•	ntyAbsent_classes	Transcript	Number of classes absent in this school year	Numeric Variable Values Number of classes absent	Base All Students with transcript data		
•	ntyTerm_[1-4] ntyPeriod_1 ntyPeriod_2 ntyPeriod_3 ntyPeriod_4	Student atten	Grading terms student attended in this school year ded first term this year ded second term this year ded third term this year ded fourth term this year	Numeric Variable Values 1 Yes 0 No Notes Coded as 1 [yes] if any courses for this school year were taken during the grading term, otherwise coded to 0 [no]	Base All Students with transcript data		
•	ntyLevel_[09-14] ntyLevel_09 ntyLevel_10		Grade level(s) of student in this school year or ungraded in 9 th grade this school year in 10 th grade this school year	Numeric Variable Values 1 Yes 0 No	Base All Students with transcript data		

E2—NLTS2 Wave 5 Transcript Data

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

	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	
			One Reco	rd per course for students with transcript data		
•	ID	ID	Individual youth ID	Numeric Variable Values 5-digit ID number Notes Randomly generated for public use data	Base All Students with transcript data for this course	
•	ID_GrLvl	ID	Composite Individual youth ID and grade level	Character Variable Values ID number and grade level Notes Randomly generated for public use data	Base 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	Numeric Variable Values 1 Typical school or setting 2 Special school or special setting	Base All Students with transcript data for this course	
•	ntcYear	Transcript	Academic school year for this course	Numeric Variable Values 1	Base All Students with transcript data for this course	
•	ntcGrLevel	Transcript	Grade level of student for this course	Numeric Variable Values 9 9 th grade 10 10 th grade 11 11 th grade 12 12 th grade 13 13 th grade 14 Ungraded	Base Students with transcript data for this course	
•	ntcTerm	Transcript	Grading term within the school year for this course	Numeric Variable Values 1 First term	Base Students with transcript data for this course	

	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			
				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	Base Students with transcript data for this course			
•	ntcUnits	(coded)	Number of semester equivalent credit units earned for this course	Numeric Variable Values Number of semester equivalent credits Notes Schools varied widely in the metric used for reporting earned credits. All earned credits were converted to Carnegie semester units.	Base 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	Numeric Variable Values Number of semester equivalent credit hours Notes 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.	Base Students with transcript data for this course			
•	ntcEvalType	Transcript	Type of grade or evaluation for this course	Numeric Variable Values 1 Evaluated with a grade 2 Evaluated but not with a grade 3 Not evaluated	Base Students with transcript data for this course			

Transcript Data by Course [File N2Trans_ByCourse] Variable Type and Values Notes: Assignments, Modifications, Variable Name Variable Description and/or Validations Sources **Base: Which Students Numeric Variable Values** ntcEval (coded) Grade or evaluation for this Base Students with transcript data for this course course Α 2 A-3 B+В B-6 C+C C-D+ 10 D 11 D-F 12 13 Passed Not passed Incomplete 15 16 Not graded Withdrawn Notes 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 **Numeric Variable Values** ntcGradeScale (coded) If student was evaluated for Base this course, grade or 0.0 to 4.0 Students with transcript data for this course evaluation for this course Notes Grade, evaluation for this course: numeric scale of 0 (low/"F") to 4 (high/"A") If student was evaluated for ntcPassFail (created) Passed this course, he or she passed 2 Failed Students with a graded evaluation for this course or failed this class Notes [conversion algorithm TBD] ntcCode Category of course based on (coded) **Numeric Variable Values** NCES course codes 4-digit course code [see <u>course code</u> list for values] Students with transcript data for this course Course titles and course descriptions coded into to a

uniform metric based on a modified version of NCES

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	
			course codes See course codes for categorization of course codes		
ntcType	(created)	Class identified as an academic course, course with a vocational education focus, or other type of course	Numeric Variable Values 1	Base 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)]	Numeric Variable Values 1 Academic 2 Vocational 3 Other Notes See course codes 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	Base Students with transcript data for this course	

	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	
•	nteContent	(created)	Content area of course based on NCES course codes	Numeric Variable Values 1	Base Students with transcript data for this course	
•	ntcContentAlt	(created)	Content area of course based on NCES course codes [alternate coding with	Numeric Variable Values 1 Academic 2 Fine and performing arts	Base Students with transcript data for this course	

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	
• ntcSubjArea	(created)	Academic subject area or occupational vocational subject area of on NCES course codes	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 Notes See course codes 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) Numeric Variable Values Academic Subject Areas 1 English 2 Basic-level math	Base Students with transcript data for this course	
			3 Mid-level math 4 Advanced math 5 Sciences 6 Social science 7 Foreign language 8 Other or unable to classify Occupational Vocational Subject Areas 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 Notes See course codes for categorization of course codes Academic subject areas are assigned from course codes as follows:		

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	
variable Name	Sources	variable Description	English (1000, 1030, 1061, 1080, 1900) Basic-level math (2000, 2003, 2005, 2012, 2021) Mid-level math (2002, 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	Dase: Which students	
ntcSubjAreaAlt	(created)	Academic subject area or occupational vocational subject area of course based on NCES course codes	(3005) Numeric Variable Values Academic Subject Areas 1 English 2 Basic-level math 3 Mid-level math 4 Advanced math 5 Sciences 6 Social science 7 Foreign language	Base Students with transcript data for this course	

	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		
			Occupational Vocational Subject Areas 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 Notes See course codes 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)			

	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	
			1 0	for students with course-level transcript data for that gra	de level	
•	ID	ID	Individual youth ID	Numeric Variable Values 5-digit ID number Notes Randomly generated for public use data	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]	
•	ID_GrLvl	ID	Composite Individual youth ID and grade level	Character Variable Values ID number and grade level Notes Randomly generated for public use data	Base All Students with transcript data for this course	
•	ntgGrLevel	Transcript	For each grade level [9-13 and ungraded], grade level for this grade level summary	Numeric Variable Values 9 9 th grade 10 10 th grade 11 11 th grade 12 12 th grade 13 13 th grade 14 Ungraded	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]	
•	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	Numeric Variable Values 1 Yes 0 No Notes 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	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]	
•	ntgHad_[content type] ntgHad_[content type]_[setting]	(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	Numeric Variable Values 1 Yes 0 No Notes Content types are academic, vocational, or other	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and	

Cours				rse 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
			WITHIN CONTENT TYPE	content type	13 th grade courses if ntaLeft = 2 [had not left
	(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	secondary school at time of final transcript data collection]
	ntgHad_AnyV [_GPl,_SPl] ntgHad_OthC [_GPl,_SPl] ntgHad_AltAc [_GPl,_SPl] ntgHad_AltV [_GPl,_SPl] ntgHad_AltOthC [_GPl,_SPl]	general or spo Had other typ general or spo Alternate cod general or spo Alternate cod general or spo Alternate cod	al courses [overall and by ecial education setting] best of courses [overall and by ecial education setting] ing: academics [overall and by ecial education setting] ing: vocational [overall and by ecial education setting] ing: other [overall and by ecial education setting]	other types of courses into academic Setting is by general or special education; general ed setting is indicated by the "_GPl" suffix, special by "_SPl," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course	
•	ntgHad_[content area] ntgHad_[content area]_[setting]	(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	Numeric Variable Values 1 Yes 0 No Notes Content areas are academic, fine and performing arts,	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left
	CONTENT AREA	AND SETTING	WITHIN CONTENT AREA	physical education, occupational vocational, work study/cooperative education, prevocational, life skills,	secondary school at time of final transcript data
	Content Area Courses (overall and by general or special education setting) Had academic courses (see ntgHad_Acad under content types)			arning supports, or other content area. collection] content areas are assigned using content areas from content for each course. An alternate coding with contentAlt moves business math and business	collection]
	ntgHad_Arts [_GPl,_SPl] ntgHad_PE	and by genera Had physical	al or special education setting] education courses [overall and	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	
	[_GPl,_SPl] ntgHad_OccV [_GPl,_SPl]	Had occupati	special education setting] onal vocational courses [overall al or special education setting]	setting is indicated by the "_GPl" suffix, special by "_SPl," and overall has no variable suffix.	
	ntgHad_WS [_GPl,_SPl]	Had /cooperative education courses [overall and by general or special education setting]		General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course	
	ntgHad_PreV [_GPl,_SPl]	general or spe	ional courses [overall and by ecial education setting]		
	ntgHad_LS [_GPl,_SPl]		s courses [overall and by general acation setting]		

				se 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 [_GPl,_SPl]		supports courses [overall and by ecial education setting]		
	ntgHad_Oth [_GPl,_SPl]	Had other cou special educa	arses [overall and by general or tion setting]		
		ntgHad_AltA	ing: academic (see c under content types		
	ntgHad_AltOV [_GPl,_SPl]	[overall and be setting]	ing: occupational vocational by general or special education		
	ntgHad_AltLS [_GPl,_SPl]		ing: life skills [overall and by ecial education setting]		
•	ntgHad_[academic subject area] ntgHad_[academic subject area]_[setting]	(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	Numeric Variable Values 1 Yes 0 No Notes Academic subject areas are English, math—any level	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left
		math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or other/unspecified Subjects Courses and by general or special education setting) 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		secondary school at time of final transcript data collection]	
	ntgHad_Eng [_GPl,_SPl]	Had English	courses [overall and by general acation setting]	ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from	
	ntgHad_Math [_GPl,_SPl]	Had math cou special educa	urses [overall and by general or tion setting]	occupational vocational business into academic basic- level math, life skills math from life skills content	
	ntgHad_MaBas [_GPl,_SPl]		rel math courses [overall and by ecial education setting]	area into basic-level math, and business English from occupational vocational business into academic	
	ntgHad_MaMid [_GPl,_SPl]		el math courses [overall and by ecial education setting]	English Setting is by general or special education; general ed	
	ntgHad_MaAdv [_GPl,_SPl]		d-level math courses [overall al or special education setting]	setting is indicated by the "_GPl" suffix, special by "_SPl," and overall has no variable suffix.	
	ntgHad_Sci [_GPl,_SPl]		courses [overall and by general acation setting]	General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course	
	ntgHad_Soc Had social science courses [overall and by [_GPl,_SPl] general or special education setting]			education) for each course	
	ntgHad_Lang [_GPI,_SPI]	[overall and b setting]	n foreign language courses by general or special education		
	ntgHad_AltMath		ing: math [overall and by ecial education setting]		

			Cour	se 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
•	[_GPl,_SPl] ntgHad_AltMaB [_GPl,_SPl] ntgHad_AltEn [_GPl,_SPl] ntgHad_UnkAc [_GPl,_SPl] ntgHad_[vocational subject area] ntgHad_[vocational subject area]_[setting] OCCUPATIONAL V WITHIN OCCUP Occup (overall and by	Alternate cod and by general Alternate cod general or special and be setting] OCATIONAL SUATIONAL VOCADATIONAL VOCADATIONAL VOCADATIONAL VOCADATIONAL VOCADATIONAL VOCADATIONAL VOCADATIONAL VOCADATIONAL VOCADATIONAL VOCATIONAL VOCATIONAL VOCADATIONAL SUATIONAL VOCATIONAL	ing: basic-level math [overall all or special education setting] ing: English [overall and by ecial education setting] specified academic courses by general or special education 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 BJECT AREA AND SETTING ATIONAL SUBJECT AREA ional Courses ecial education setting) ral related vocational courses by general or special education related vocational courses by general or special education vice and hospitality related urses [overall and by general or	Notes: Assignments, Modifications,	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
	ntgHad_Tech [_GPl,_SPl] ntgHad_Trd	[overall and be setting]	ting] gy related vocational courses by general or special education d industry related vocational		

			Cour	rse 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
•	(overall and by ntgNbr_Acad [_APL,_GPl,_SPl] ntgNbr_AnyV [_APL,_GPl,_SPl] ntgNbr_OthC [_APL,_GPl,_SPl] ntgNbr_AltAc [_APL,_GPl,_SPl] ntgNbr_AltV [_APL,_GPl,_SPl] ntgNbr_AltOthC [_APL,_GPl,_SPl]	education set Had other/un vocational co special educa Alternate cod [overall and b setting] (created) AND SETTING Content Type general or spe Number of or ageneral or spe Number of or and by general Alternate cod general or spe	specified occupational urses [overall and by general or tion setting] ling: business related vocational by general or special education 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 WITHIN CONTENT TYPE Courses ecial education setting) cademic courses [overall and by ecial education setting] her types of courses [overall and by ecial education setting] then types of courses [overall and by ecial education setting] ling: academics [overall and by ecial education setting] ling: vocational [overall and by ecial education setting] ling: other types of courses by general or special education	Numeric Variable Values Number of hours Notes Sum of courses 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 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 "_GPl" suffix, special by "_SPl," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or \(\neq 4 \) (setting other than special education) for each course	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
•	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	Numeric Variable Values Number of hours Notes Sum of courses in this grade in content area overall, overall limited to those with a value for setting, and by setting	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left

			Cour	rse 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	
			•			
	CONTENT AREA	Content Area Courses (overall and by general or special education setting) Number of academic courses (see ntgNbr_Acad under content types) Number of fine or performing arts courses [_APL,_GPl,_SPl] ntgNbr_PE [_Overall and by general or special education setting] ntgNbr_OccV [_APL,_GPl,_SPl] [overall and by general or special education setting] ntgNbr_OccV [_APL,_GPl,_SPl] [overall and by general or special education setting] ntgNbr_WS [_Overall and by general or special education setting] ntgNbr_WS [_APL,_GPl,_SPl] [overall and by general or special education setting] ntgNbr_PreV [_APL,_GPl,_SPl] [overall and by general or special education setting] ntgNbr_PreV [_APL,_GPl,_SPl] [overall and by general or special education setting] ntgNbr_LS [_APL,_GPl,_SPl] [overall and by general or special education setting] ntgNbr_LS [_APL,_GPl,_SPl] [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. 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 "_GPl" suffix, special by "_SPl," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or \(\neq 4 \) (setting other than special education) for each course	secondary school at time of final transcript data collection]	
•	ntgNbr_AltOV [_APL,_GPl,_SPl] ntgNbr_AltLS [_APL,_GPl,_SPl] ntgNbr_AltLS [_APL,_GPl,_SPl] ntgNbr_[academic subject area] ntgNbr_[academic subject area]_[setting]	general or spo Alternate cod ntgNbr_AltA Alternate cod [overall and b setting] Alternate cod	ther courses [overall and by ecial education setting] ling: academic (see c under content types) ling: occupational vocational by general or special education ling: life skills courses [overall all or special education setting] 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	Numeric Variable Values Number of hours Notes 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	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data	

		Cour	se 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
ACADEMIC SUBJECT	AREA AND SET	TING WITHIN SUBJECT AREA	math and basic-level, mid-level, and advanced-level	collection]
	general or sp	ecial education setting)	other/unspecified	
ntgNbr_Eng [_APL,_GPl,_SPl] ntgNbr_Math [_APL,_GPl,_SPl]	general or spe Number of m	ecial education setting] ath courses [overall and by	ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-	
ntgNbr_MaBas [_APL,_GPl,_SPl]	and by genera	al or special education setting]	area into basic-level math, and business English from	
ntgNbr_MaMid [_APL,_GPl,_SPl]	and by genera	al or special education setting]	English Setting is by general or special education; general ed	
ntgNbr_MaAdv [_APL,_GPl,_SPl]	[overall and be setting]	by general or special education	"_SPl," and overall has no variable suffix.	
ntgNbr_Sci [_APL,_GPl,_SPl]	general or spe	ecial education setting]	(special education) or $\neq 4$ (setting other than special education) for each course	
[_APL,_GPl,_SPl]	and by genera	al or special education setting]		
ntgNbr_Lang [_APL,_GPl,_SPl]	courses [over	all and by general or special		
ntgNbr_AltMath [_APL,_GPl,_SPl]				
ntgNbr_AltMaB [_APL,_GPl,_SPl]	and by genera	al or special education setting]		
ntgNbr_AltEn [_APL,_GPl,_SPl]	general or spe	ecial education setting]		
[_APL,_GPl,_SPl]	courses [over education set	all and by general or special ting]		
subject area]	(created)	ungraded], number of courses	Numeric Variable Values Number of hours	Base All Students with course level transcript data for this
subject area]_[setting]		subject areas—overall, overall limited to those with a value for setting, and by general or special education setting—in this grade	Notes 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,	grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
	ACADEMIC SUBJECT Ac (overall and by ntgNbr_Eng [_APL,_GPl,_SPl] ntgNbr_MaBas [_APL,_GPl,_SPl] ntgNbr_MaMid [_APL,_GPl,_SPl] ntgNbr_MaAdv [_APL,_GPl,_SPl] ntgNbr_Sci [_APL,_GPl,_SPl] ntgNbr_Sci [_APL,_GPl,_SPl] ntgNbr_Soc [_APL,_GPl,_SPl] ntgNbr_Lang [_APL,_GPl,_SPl] ntgNbr_Lang [_APL,_GPl,_SPl] ntgNbr_AltMath [_APL,_GPl,_SPl] ntgNbr_AltMaB [_APL,_GPl,_SPl] ntgNbr_AltEn [_APL,_GPl,_SPl] ntgNbr_UnkAc [_APL,_GPl,_SPl] ntgNbr_UnkAc [_APL,_GPl,_SPl] ntgNbr_UnkAc [_APL,_GPl,_SPl]	ACADEMIC SUBJECT AREA AND SET Academic Subject (overall and by general or spents) ntgNbr_Eng [_APL,_GPl,_SPl] ntgNbr_MaBas [_APL,_GPl,_SPl] ntgNbr_MaMid [_APL,_GPl,_SPl] ntgNbr_MaAdv [_APL,_GPl,_SPl] ntgNbr_MaAdv [_APL,_GPl,_SPl] ntgNbr_Sci [_APL,_GPl,_SPl] ntgNbr_Sci [_APL,_GPl,_SPl] ntgNbr_Sci [_APL,_GPl,_SPl] ntgNbr_Sci [_APL,_GPl,_SPl] ntgNbr_Sci [_APL,_GPl,_SPl] ntgNbr_Lang [_APL,_GPl,_SPl] ntgNbr_Lang [_APL,_GPl,_SPl] ntgNbr_AltMath [_APL,_GPl,_SPl] ntgNbr_AltMath [_APL,_GPl,_SPl] ntgNbr_AltEn [_APL,_GPl,_SPl] ntgNbr_AltEn [_APL,_GPl,_SPl] ntgNbr_Lang [_APL,_GPl,_SPl] ntgNbr_AltEn [_APL,_GPl,_SPl] ntgNbr_AltEn [_APL,_GPl,_SPl] ntgNbr_UnkAc [_APL,_GPl,_SPl] ntgNbr_UnkAc [_APL,_GPl,_SPl] ntgNbr_Vocational subject area] ntgNbr_[vocational subject area] [setting]	ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA Academic Subjects Courses (overall and by general or special education setting) ntgNbr_Eng [_APL,_GPl,_SPl] ntgNbr_Math [_APL,_GPl,_SPl] ntgNbr_MaBas [_APL,_GPl,_SPl] ntgNbr_MaAdv [_APL,_GPl,_SPl] ntgNbr_MaAdv [_APL,_GPl,_SPl] ntgNbr_Sci [_APL,_GPl,_SPl] ntgNbr_Sco [_APL,_GPl,_SPl] ntgNbr_Lang [_APL,_GPl,_SPl] ntgNbr_Lang [_APL,_GPl,_SPl] ntgNbr_AltMath [_APL,_GPl,_SPl] ntgNbr_AltMath [_APL,_GPl,_SPl] ntgNbr_AltMath [_APL,_GPl,_SPl] ntgNbr_AltMath [_APL,_GPl,_SPl] ntgNbr_AltMath [_APL,_GPl,_SPl] ntgNbr_Alten [_APL,_GPl,_SPl] ntgNbr_Lang [_APL,_GPl,_SPl] ntgNbr_Alten [_APL,_GPl,_SPl] ntgNbr_Alten [_APL,_GPl,_SPl] ntgNbr_Logel ntgNbr_Logel ntgNbr_Sco [_APL,_GPl,_SPl] ntgNbr_Alten [_APL,_GPl,_SPl] ntgNbr_Alten [_APL,_GPl,_SPl] ntgNbr_Logel ntg	Notes: Assignments, Modifications, and/or Validations

		Cour	rse 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
WITHIN OCCUP Occu	Pational Vocat y general or sp Number of ag courses [over education set Number of for related vocati general or sp Number of for related vocati general or sp Number of he [overall and be setting] Number of m courses [over education set Number of m courses [over education set Number of he vocational co special educa Number of te courses [over education set Number of te courses [over education set Number of te courses [over education set Number of te vocational co special educa Number of of vocational co special educa Alternate cod	ional Courses ecial education setting) gricultural related vocational fall and by general or special ting] usiness related vocational fall and by general or special ting] sod service and hospitality fonal courses [overall and by ecial education setting] ealth related vocational courses by general or special education farketing related vocational fall and by general or special ting] fone economics related furses [overall and by general or tion setting] chology related vocational fall and by general or special fing] fade and industry related furses [overall and by general or tion setting] frade and industry related furses [overall and by general or fing general or	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 "_GPl" suffix, special by "_SPl," 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	Base: Which Students
	setting] (created)	For each grade level [9-13 and ungraded], total number of Carnegie unit credits earned for courses in this grade	Numeric Variable Values Number of Carnegie unit credits Notes Sum of credits (ntcUnits) earned in this grade in content type overall and by setting	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data

		Cour	rse 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_API ntgUnits_GPI ntgUnits_SPI	(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	Numeric Variable Values Number of Carnegie unit credits Notes Sum of credits (ntcUnits) earned in this grade in content type overall and by setting Use ntgUnits_APl 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 >= 0 Set ntgUnits_SPL to .s if ntgUnits_SPL is missing and ntg/Units_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 take this type of course.	Base All Students with course level transcript data for this grade for both ntcUnits and ntcLevel Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
	Content Type y general or sp Credits earne	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 WITHIN CONTENT TYPE Courses ecial education setting) ed in academic courses [overall al or special education setting]	Numeric Variable Values Number of Carnegie unit credits Notes 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 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	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
ntgUnits_AnyV [_APl,_GPl,_SPl]		ed in vocational courses [overall al or special education setting]	Setting is by general or special education; general ed setting is indicated by the "_GPl" 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 [_APl,_GPl,_SPl] ntgUnits_AltAc [_APl,_GPl,_SPl] ntgUnits_AltV [_APl,_GPl,_SPl] ntgUnits_AltOthC [_APl,_GPl,_SPl]	Credits earner [overall and be setting] Alternate code and by general Alternate code and by gene	d in other types of courses by general or special education ing: academic courses [overall al or special education setting] ing: vocational courses [overall al or special education setting] ing: other types of courses by general or special education	"_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]_GPl to .s if ntgHad_[type] > 0, ntgUnits_[type]_GPl is missing, and ntgUnits_[type]_SPl >= 0 Set ntgUnits_[type]_GPl to .s if ntgHad_[type] > 0, ntgUnits_[type]_SPl is missing, and ntgUnits_[type]_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.			
•		Content Area general or spe Credits earne ntgUnits_Aca Credits earne	ecial education setting) d in academic courses (see ad under content types) d in fine or performing arts all and by general or special	Numeric Variable Values Number of Carnegie unit credits Notes 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	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]		

			Cour	rse 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 ntgUnits_OccV [_APl,_GPl,_SPl] ntgUnits_WS [_APl,_GPl,_SPl] ntgUnits_PreV [_APl,_GPl,_SPl] ntgUnits_LS [_APl,_GPl,_SPl] ntgUnits_Sup [_APl,_GPl,_SPl] ntgUnits_Oth [_APl,_GPl,_SPl] ntgUnits_AltOV [_APl,_GPl,_SPl]	[overall and be setting] Credits earner courses [overeducation setter Credits earner education courses are education courses are education courses [overall education courses] Credits earner [overall and be setting] Credits earner [overall and be setting] Credits earner [overall and be setting] Alternate code ntgUnits_Alt. Alternate code [overall and be setting]	d in work study/cooperative arses [overall and by general or	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 \(\neq 4 \) (setting other than special education) for each course Set to .s [skipped] if ntgHad_[area] = 0 [did not have this area of course] Set ntgUnits_[area]_GPl to .s if ntgHad_[area] > 0, ntgUnits_[area]_GPl is missing, and ntgUnits_[area]_SPl >= 0 Set ntgUnits_[area]_GPl to .s if ntgHad_[area] > 0, ntgUnits_[area]_SPl is missing, and ntgUnits_[area]_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 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 take this area of course.	
•	Ac	ademic Subjec	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 FING WITHIN SUBJECT AREA ts Courses ecial education setting)	Numeric Variable Values Number of Carnegie unit credits Notes 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	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]

		Cour	se 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 [_APl,_GPl,_SPl] ntgUnits_Math [_APl,_GPl,_SPl] ntgUnits_MaBas [_APl,_GPl,_SPl] ntgUnits_MaMid [_APl,_GPl,_SPl] ntgUnits_MaAdv [_APl,_GPl,_SPl] ntgUnits_Sci [_APl,_GPl,_SPl] ntgUnits_Soc [_APl,_GPl,_SPl] ntgUnits_Lang [_APl,_GPl,_SPl] ntgUnits_AltMath [_APl,_GPl,_SPl] ntgUnits_AltMaB [_APl,_GPl,_SPl] ntgUnits_AltMaB [_APl,_GPl,_SPl] ntgUnits_AltEn [_APl,_GPl,_SPl] ntgUnits_Units_AltEn [_APl,_GPl,_SPl]	and by general Credits earne by general or Credits earne [overall and be setting] Credits earne [overall and be setting] Credits earne courses [over education sett Credits earne by general or Credits earne [overall and be setting] Credits earne [overall and be setting] Alternate cod general or spec Alternate cod general or spec Credits earne courses [over education setter courses [over education setter courses [over education setter	d in science courses [overall and special education setting] d in social science courses by general or special education d in foreign language courses by general or special education ing: math [overall and by ecial education setting] ing: basic-level math [overall and or special education setting] ing: English [overall and by ecial education setting] ing: d in other/unspecified academic all 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"_GPl" suffix, special by "_SPl," 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] = 0, ntgUnits_[subject]_GPl is missing, and ntgUnits_[subject]_SPl >= 0 Set ntgUnits_[subject] = 0, ntgUnits_[subject]_SPl is missing, and ntgUnits_[subject]_GPl to .s if ntgHad_[subject] > 0, ntgUnits_[subject]_SPl is missing, and ntgUnits_[subject]_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 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_[vocational subject area] ntgUnits_[vocational subject area]_[setting]	(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	Numeric Variable Values Number of Carnegie unit credits Notes 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	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left

Cour	rse taking Summary by Grade Level [File N2Trans_GradeLvl]	
Variable Name	Variable Type and Values Notes: Assignments, Modifications,	Page Wiki I St. 1
Sources Variable Description special education setting—in this grade		Base: Which Students secondary school at time of final transcript data collection]
[_APl,_GPl,_SPl] [overall and by general or special education setting]	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.	

	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			
	ntgPctUnits_GPl ntgPctUnits_SPl	(created)	For each grade level [9-13 and ungraded], percentage of Carnegie unit credits youth earned for courses in general	Numeric Variable Values Overall percentage of Carnegie unit credits earned in this grades Notes	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1			
	ntgPctUnits_GPl	Percentage of education set	or special education setting in this grade of units earned in general	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	[transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data			
	ntgPctUnits_SPl		f units earned in special	(ntgUnits_[GPL/SPL]) / ntgUnits_APl) X 100 General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course	collection]			
				Set ntgPctUnits_GPL to .s if ntgUnit_GPL is missing and ntgUnit_SPL >= 0				
				Set ntgPctUnits_SPL to .s if ntgUnit_SPL is missing and ntgUnit_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_[content type] ntgPctUnit_[content	(created)	For each grade level [9-13 and ungraded], percentage of Carnegie unit credits earned	Numeric Variable Values Percentage of Carnegie unit credits earned in this grade	Base All Students with course level transcript data for this grade			
	type]_[setting]		for courses in each content type—overall and by general or special education setting— in this grade	Notes Sum of credits earned in content type overall divided by sum of all credits earned (ntgUnits_[type] / ntgUnits_APl) X 100	Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data			
		Content Type	WITHIN CONTENT TYPE Courses ecial education setting)	Sum of credits earned in content type in each setting (general or special education) divided by sum of all				
	ntgPctUnit_Acad [_GPl,_SPl] ntgPctUnit_AnyV	Percentage of courses [over education set	f credits earned in academic rall and by general or special	credits earned with a value for setting (ntgUnits_[type]_[GPL/SPL] / ntgUnits_APl) X 100 Content types are academic, vocational or other content area				
L	mgi ctumi_Any v	r ercentage o	cicuits carried iii 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				
	[_GPl,_SPl] ntgPctUnit_OthC [_GPl,_SPl]	courses [over- education sett Percentage of	all and by general or special ing] credits earned in other types of all and by general or special	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_AltAc Alternate coding: academic courses [overall and by general or special education setting] ntgPctUnit_AltV Alternate coding: vocational courses [overall			Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl," and overall has no variable suffix.					
	[_GPI,_SPI] ntgPctUnit_AltOthC [_GPI,_SPI]	and by general or special education setting] Alternate coding: other types of courses [overall and by general or special education setting]		General or special setting is assigned by ntcLevel = 4 (special education) or \neq 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 ntgPctUnit_[type]_GPl to .s if ntgHad_[type] > 0, ntgPctUnit_[type]_GPl is missing, and ntgPctUnit_[type]_SPl >= 0 Set ntgPctUnit_[type]_GPl to .s if					
				ntgHad_[type] > 0, ntgPctUnit_[type]_SPl is missing, and ntgPctUnit_[type]_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_[content type]_W_[setting]	(created)	For each grade level [9-13 and ungraded], percentage of Carnegie unit credits earned in general or special education	Numeric Variable Values Percentage of Carnegie unit credits earned in this setting	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1				
	Compense Type	AND SETTING	setting within each content type in this grade WITHIN CONTENT TYPE	Notes Sum of credits earned in each setting (general or special education) within content type divided by sum	[transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data				
		Content Type		of credits earned with a value for setting within content type (ntgUnits_[type]_[GPL/SPL] /	collection]				
	(overall and by	general or spe	ecial education setting)	ntgUnits_[type]_API) X 100	-				
L	ntgPctUnit_Acad_W_	Of those in ac	cademic 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			
Variable Name [GPI/SPI] ntgPctUnit_AnyV_W _ [GPI/SPI] ntgPctUnit_OthC_W_ [GPI/SPI] ntgPctUnit_AltAc_W _ [GPI/SPI] ntgPctUnit_AltV_W_ [GPI/SPI] ntgPctUnit_AltOthC_ W_ [GPI/SPI]	Of those in vocaredits earned Of those in of of credits earns setting Alternate cod and by general Alternate cod	Variable Description If in general and special setting ocational courses, percentage of it in general and special setting ther types of courses, percentage ned in general and special setting: academic courses [overall all or special setting] ting: vocational courses [overall all or special setting] ting: other types of courses by general or special setting]	Content types are academic, vocational or other content area 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" General or special setting is assigned by ntcLevel = 4 (special education) or \(\neq 4 \) (setting other than special education) for each course Set ntgPctUnit_[type]_W_GPL to .s if ntgPctUnit_[type]_W_GPL is missing and ntg/PctUnit_[type]_W_SPL >= 0 Set ntgPctUnit_[type]_W_SPL to .s if ntgPctUnit_[type]_W_SPL is missing and ntg/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. ntgPctUnit_[type]_w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntgPctUnit_[type] for items overall (not by	Base: Which Students			
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—	Numeric Variable Values Percentage of Carnegie unit credits earned in this grade Notes Sum of credits earned in content area overall divided	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and			

or special education setting—

Course taking Summary by Grade Level [File N2Trans_GradeLvl]						
Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students					
by sum of all credits earned (ntgUnits_[area] / ntgUnits_APl) X 100 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_[area]_[GPL/SPL] / ntgUnits_APl) 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"_GPl" suffix, special by "_SPl," 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] Set ntgPctUnit_[area]_GPl to .s if ntgHad_[area] > 0, ntgPctUnit_[area]_GPl is missing, and ntgPctUnit_[area]_SPl >= 0 Set ntgPctUnit_[area] = 0 [did not have this type of course] 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,	Base: Which Students 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]					
	Variable Type and Values Notes: Assignments, Modifications, and/or Validations by sum of all credits earned (ntgUnits_[area] / ntgUnits_API) X 100 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_[area]_[GPL/SPL] / ntgUnits_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 ntgHad_[area] = 0 [did not have this type of course] Set ntgPctUnit_[area]_GPl to .s if ntgHad_[area] > 0, ntgPctUnit_[area]_GPl is missing, and ntgPctUnit_[area]_SPl >= 0 Set ntgPctUnit_[area]_GPl to .s if ntgHad_[area] > 0, ntgPctUnit_[area]_SPl is missing, and ntgPctUnit_[area]_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					

				Variable Type and Values	
	Variable Name	Sources	Variable Description	Notes: Assignments, Modifications, and/or Validations	Base: Which Students
				those who did not take this type of course.	
•	ntgPctUnit_[content area]_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 area in this grade	Numeric Variable Values Percentage of Carnegie unit credits earned in this setting Notes Sum of credits earned in each setting (general or	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and
	CONTENT AREA	AND SETTING	WITHIN CONTENT AREA	special education) within content area divided by sum of credits earned with a value for setting within	13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data
		Content Area		content area (ntgUnits_[area]_[GPL/SPL] /	collection]
		general or sp	ecial education setting)	ntgUnits_[area]_APl) X 100	
	ntgPctUnit_Art_W_ [GPl/SPl] ntgPctUnit_PE_W_ [GPl/SPl] ntgPctUnit_OccV_W_ [GPl/SPl] ntgPctUnit_WS_W_ [GPl/SPl] ntgPctUnit_PreV_W_ [GPl/SPl]	[GPI/SPI] percentage of credits earned in general and special setting Of those in physical education courses, percentage of credits earned in general and special setting Unit_OccV_W_ Percentage of credits earned in occupational vocational courses [overall and by general or special setting] Of those in work study/cooperative education courses, percentage of credits earned in general and special setting Unit_PreV_W_ Of those in prevocational courses, percentage Of those in prevocational courses, percentage		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 \neq 4 (setting other than special education) for each course Set ntgPctUnit_[area]_W_GPL to .s if ntgPctUnit_[area]_W_GPL is missing and	
	[GPl/SPl] percentage of credits earned in general and special setting ntgPctUnit_Oth_W_ 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 Alternate coding: occupational vocational		ntg/PctUnit_[area]_W_GPL is missing and ntg/PctUnit_[area]_W_SPL >= 0 Set ntgPctUnit_[area]_W_SPL to .s if ntgPctUnit_[area]_W_SPL is missing and ntg/PctUnit_[area]_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		

	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				
	_ [GPl/SPl]	and by genera	al or special 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_[area] _w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntgPctUnit_[area] for items overall (not by setting)					
	ntgPctUnit_[academic subject area] ntgPctUnit_[academic	(created)	For each grade level [9-13 and ungraded], percentage of Carnegie unit credits earned	Numeric Variable Values Percentage of Carnegie unit credits earned in this grade	Base All Students with course level transcript data for this grade				
	subject area]_[setting]		for courses in each academic subject area—overall and by general or special education setting—in this grade	Notes Sum of credits earned in subject area overall divided by sum of all credits earned (ntgUnits_[subject] / ntgUnits_APl) X 100	Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data				
	ACADEMIC SUBJECT	AREA AND SET	TING WITHIN SUBJECT AREA	Sum of credits earned in subject area in each setting	collection]				
	(overall and by		ecial education setting)	(general or special education) divided by sum of all credits earned with a value for setting					
	ntgPctUnit_Eng Percentage of credits earned in English [_GPl,_SPl] courses [overall and by general or special education setting]		all and by general or special	(ntgUnits_[subject]_[GPL/SPL] / ntgUnits_APl) 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					
	ntgPctUnit_Math [_GPl,_SPl] [_overall and by general or special education setting]								
	ntgPctUnit_MaBas [_GPl,_SPl]	math courses special educa		Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding					
	ntgPctUnit_MaMid Percentage of credits earned in mid-level [_GPl,_SPl] math courses [overall and by general or special education setting]		[overall and by general or	with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content					
	ntgPctUnit_MaAdv [_GPl,_SPl]		f credits earned in advanced- urses [overall and by general or tion setting]	area into basic-level math, and business English from occupational vocational business into academic English					
	ntgPctUnit Sci Percentage of credits earned in science		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_Soc Percentage of credits earned in social science [_GPl,_SPl] courses [overall and by general or special (General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course							
	ntgPctUnit_Lang [_GPl,_SPl]		f credits earned in foreign rses [overall and by general or	Set to .s [skipped] if					

	Course taking Summary by Grade Level [File N2Trans_GradeLvl]							
				Variable Type and Values				
	Variable Name	Sources	Variable Description	Notes: Assignments, Modifications, and/or Validations	Base: Which Students			
	ntgPctUnit_AltMath [_GPl,_SPl] ntgPctUnit_AltMaB [_GPl,_SPl] ntgPctUnit_AltEn	general or spe Alternate cod and by genera	ing: math [overall and by ecial education setting] ing: basic-level math [overall al or special education setting] ing: English [overall and by	ntgHad_[subject] = 0 [did not have this type of course] Set ntgPctUnit_[subject]_GPl to .s if ntgHad_[subject] > 0, ntgPctUnit_[subject]_GPl is missing, and ntgPctUnit_[subject]_SPl >= 0 Set ntgPctUnit_[subject]_GPl to .s if ntgHad_[subject] > 0, ntgPctUnit_[subject]_SPl is missing, and ntgPctUnit_[subject]_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 take this type of course.				
	[_GPl,_SPl] ntgPctUnit_UnkAc [_GPl,_SPl]	general or spe Percentage of other/unspedi	ecial education setting] Foredits earned in Fired courses [overall and by ecial education setting]					
•	ntgPctUnit_[academic subject area]_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 academic subject area in this grade	Percentage of Carnegie unit credits earned in this setting Notes Sum of credits earned in each setting (general or setting transcript is not complete through the course level transcript is not complete through the course if n transcript is not complete through the course if n transcript is not complete through the course if n transcript is not complete through the course level transcript is not complete through the course is not complete through the course level transcript is not complete through the course is not considered in	All Students with course level transcript data for this			
	ACADEMIC SUBJECT	AREA AND SET	TING WITHIN SUBJECT AREA	special education) within subject area divided by sum of credits earned with a value for setting within	secondary school at time of final transcript data			
		ademic Subjec		subject area (ntgUnits_[subject]_[GPL/SPL] /	collection]			
			ecial education setting)	ntgUnits_[subject]_API) X 100				
	ntgPctUnit_Eng_W_ [GPl/SPl]		nglish courses, percentage of d in general and special setting	Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level				
	ntgPctUnit_Math_W_ [GPl/SPl]	Of those in math courses, percentage of credits earned in general and special setting Of those in basic-level math courses, percentage of credits earned in general and special setting		math—science, social science, foreign language, or other/unspecified				
	ntgPctUnit_MaBas_W _ [GPl/SPl]			Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from				
	ntgPctUnit_MaMid_ W_ [GPl/SPl]	percentage of special setting		occupational vocational business into academic basic- level math, life skills math from life skills content area into basic-level math, and business English from				
	ntgPctUnit_MaAdv_ W_ [GPl/SPl]		dvanced-level math courses, credits earned in general and	occupational vocational business into academic English				

	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_ [GPl/SPl]		g cience courses, percentage of I in general and special setting	Setting is by general or special education; general setting is indicated by the"_GPl" suffix, special by "_SPl"					
	ntgPctUnit_Soc_W_ [GPl/SPl]		ocial science courses, percentage ned in general and special	General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course					
	ntgPctUnit_Lang_W_ [GPl/SPl]		oreign language courses, Credits earned in general and g	Set ntgPctUnit_[subject]_W_GPL to .s if ntgPctUnit_[subject]_W_GPL is missing and ntg/PctUnit_[subject]_W_SPL >= 0 Set ntgPctUnit_[subject]_W_SPL to .s if ntgPctUnit_[subject]_W_SPL is missing and ntg/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					
	ntgPctUnit_AltMath_ W_ [GPl/SPl]		ling: math [overall and by ecial education setting]						
	ntgPctUnit_AltMaB_ W_ [GPl/SPl]	and by genera	ling: basic-level math [overall al or special education setting]						
	ntgPctUnit_AltEn_W_ [GPl/SPl]		ling: English [overall and by ecial education setting]						
	ntgPctUnit_UnkAc_W _ [GPl/SPl]	ntgPctUnit_UnkAc_W Of those in other/unspecified courses,		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_[subject] _w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntgPctUnit_[subject] for items overall (not by setting)					
•	ntgPctUnit_[vocationa l subject area] ntgPctUnit_[vocationa l 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	Numeric Variable Values Percentage of Carnegie unit credits earned in this grade Notes Sum of credits earned in subject area overall divided by sum of all credits earned (ntgUnits_[subject] /	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left				
			BJECT AREA AND SETTING ATIONAL SUBJECT AREA	ntgUnits_APl) 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_APl) X 100 secondary school at time of final transcript data collection]					
	Occup (overall and by ntgPctUnit_Agr	pational Vocat general or spe 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		
	ntgPctUnit_Bus Percentage of credits earned in business [_GPl,_SPl] related vocational courses [overall and by general or special education setting] ntgPctUnit_Food Percentage of credits earned in food service and hospitality related vocational courses [overall and by general or special education]		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-				
	ntgPctUnit_Hlth [_GPl,_SPl] ntgPctUnit_Mktg [_GPl,_SPl]	vocational conspecial educate Percentage of	credits earned in marketing	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_HmEc [_GPl,_SPl] ntgPctUnit_Tech [_GPl,_SPl] ntgPctUnit_Trd [_GPl,_SPl] ntgPctUnit_Trd [_GPl,_SPl] ntgPctUnit_Trd [_GPl,_SPl] ntgPctUnit_Trd [_GPl,_SPl] ntgPctUnit_Trd [_GPl,_SPl] ntgPctUnit_Trd [_GPl,_SPl] ntgPctUnit_Unk [_GPl,_SPl] ntgPctUnit_Unk [_GPl,_SPl] ntgPctUnit_Unk [_GPl,_SPl] ntgPctUnit_Unk [_GPl,_SPl] ntgPctUnit_Unk [_GPl,_SPl] ntgPctUnit_AltBus [_GPl,_SPl]		Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or \(\neq 4 \) (setting other than special				
			education) for each course Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this type of course]				
			Set ntgPctUnit_[subject]_GPl to .s if ntgHad_[subject] > 0, ntgPctUnit_[subject]_GPl is missing, and ntgPctUnit_[subject]_SPl >= 0 Set ntgPctUnit_[subject]_GPl to .s if				
			ntgHad_[subject] > 0, ntgPctUnit_[subject]_SPl is missing, and ntgPctUnit_[subject]_GPl >= 0 Zero filled summarizations of units were not created for calculating means but items are tagged with a missing value of "a" (claimed). A value of "0" means				
			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_[occupatio nal vocational subject	(created)	For each grade level [9-13 and ungraded], percentage of	Numeric Variable Values Percentage of Carnegie unit credits earned in this	Base All Students with course level transcript data for this		

	•	
Cour	se taking Summary by Grade Level [File N2Trans_GradeLvl]	
	Variable Type and Values	
ption	Notes: Assignments, Modifications, and/or Validations	Base: Which Students
earned in	setting	grade
nal rade TING	Notes 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]_APl) X 100	Excludes 12 th grade courses if ntaCom [transcript is not complete through 12 th 13 th grade courses if ntaLeft = 2 [had r secondary school at time of final transcollection]
g) tional d in	Occupational vocational subject areas are agricultural, business, food service and hospitality, health,	

			Variable Type and Values	
X7. • 11. X7	G	We doll Done to the	Notes: Assignments, Modifications,	D W. 1. C4. 14.
Variable Name area]_W_[setting]	Sources	Variable Description Carnegie unit credits earned in	and/or Validations	Base: Which Students
areaj_w_[sening]		general or special education setting within each occupational vocational subject area in this grade	Notes 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	grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data
		BJECT AREA AND SETTING ATIONAL SUBJECT AREA	subject area (ntgUnits_[subject]_[GPL/SPL] / ntgUnits_[subject]_APl) X 100	collection]
Occup	ational Vocat	ional Courses		
		ecial education setting) gricultural related vocational	Occupational vocational subject areas are agricultural,	
ntgPctUnit_Agr_W_ [GPl/SPl]		entage of credits earned in	business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown	
ntgPctUnit_Bus_W_ [GPI/SPI]		usiness related vocational entage of credits earned in pecial setting	Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding	
ntgPctUnit_Food_W_ [GPl/SPl]	related vocati	ood service and hospitality onal courses, percentage of I in general and special setting	with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content	
ntgPctUnit_Hlth_W_ [GPl/SPl]		ealth related vocational courses, credits earned in general and	area into basic-level math, and business English from occupational vocational business into academic English	
ntgPctUnit_Mktg_W_ [GPl/SPl]		narketing related vocational entage of credits earned in pecial setting	Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl"	
ntgPctUnit_HmEc_W _ [GPI/SPI]	vocational co	ome economics related urses, percentage of credits eral and special setting	General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course	
ntgPctUnit_Tech_W_ [GPI/SPI]		chnology related vocational entage of credits earned in pecial setting	Set ntgPctUnit_[subject]_W_GPL to .s if ntgPctUnit_[subject]_W_GPL is missing and ntg/PctUnit_[subject]_W_SPL >= 0	
ntgPctUnit_Trd_W_ [GPI/SPI]	percentage of special setting	ade and industry courses, credits earned in general and g credits earned in related	Set ntgPctUnit_[subject]_W_SPL to .s if ntgPctUnit_[subject]_W_SPL is missing and ntg/PctUnit_[subject]_W_GPL >= 0	
	vocational co special educa	urses [overall and by general or tion setting]	Zero filled summarizations of units were not created for calculating means but items are tagged with a	
ntgPctUnit_Unk_W_ [GPl/SPl]	vocational co credits earned	ther/unspecified occupational urses courses, percentage of I in general and special setting	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	
ntgPctUnit_AltBus_W _ [GPl/SPl]		ing: business related vocational by general or special education	take any courses of this type. To recode as zero filled, reset the ".s" to "0" but be aware that the "0" will have	

	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_[GPl/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	Numeric Variable Values Number of hours Notes Sum of ntcHrs (hours) in this grade	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]				
ntgHrs_APl ntgHrs_GPl ntgHrs_SPl	(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	Numeric Variable Values Number of hours Notes Sum of ntcHrs (hours) in this grade Use ntgHrs_APl as denominator for percentage of time in general or special education setting	Base All Students with course level transcript data for this grade for both ntcHrs and ntcLevel Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]				
ntgHrs_GPl_ZF ntgHrs_SPl_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	Numeric Variable Values Number of hours Notes ntgHrs_[setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing Set ntgHrs_GPl_ZF to 0 if ntgHrs_GPl is missing and ntgHrs_SPl >= 0 Set ntgHrs_GPl_ZF to 0 if ntgHrs_SPl is missing and ntgHrs_GPl >= 0	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th 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,	Numeric Variable Values Number of hours Notes Sum of ntcHrs (hours) in this grade in content type	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1				

	Course taking Summary by Grade Level [File N2Trans_GradeLvl]							
				Variable Type and Values				
	Variable Name	Sources	Variable Description	Notes: Assignments, Modifications, and/or Validations	Base: Which Students			
	G		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	[transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]			
			WITHIN CONTENT TYPE	content type	Concetion			
		Content Type		Content types are assigned using course types from ntcType for each course. An alternate coding				
	(overall and by general or special education setting) ntgHrs_Acad [_APl,_GPl,_SPl] ntgHrs_AnyV [_APl,_GPl,_SPl] ntgHrs_OthC [_APl,_GPl,_SPl] ntgHrs_AltAc [_APl,_GPl,_SPl] ntgHrs_AltAc [_APl,_GPl,_SPl] ntgHrs_AltAc [_APl,_GPl,_SPl] ntgHrs_AltAc [_APl,_GPl,_SPl] ntgHrs_AltV [_APl,_GPl,_SPl] ntgHrs_AltV [_APl,_GPl,_SPl] ntgHrs_AltV [_APl,_GPl,_SPl] ntgHrs_AltV [_APl,_GPl,_SPl] ntgHrs_AltOthC [_APl,_GPl,_SPl]		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 \(\neq 4 \) (setting other than special education) for each course Set to .s [skipped] if ntgHad_[type] = 0 [did not have this type of course]					
•			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 WITHIN CONTENT TYPE	Numeric Variable Values Number of hours Notes ntgHrs_[content type][_setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing Set ntgHrs_[content type]_ZF and ntgHrs]_[content type]_[setting]_ZF to 0 if	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]			
	content Type Courses (overall and by general or special education setting) ntgHrs_Acad Hours in academic courses [overall and by general or special education setting] ntgHrs_AnyV Hours in vocational courses [overall and by general or special education setting]			$ntgUnits > 0$ and $ntgHad[content\ type] = 0$				
			(reported units but did not have this type of course) Set ntgHrs_[content type]_GPl_ZF to 0 if ntgHad_[content type], ntgHrs_[content type]_GPl is missing, and ntgHrs_[content type]_SPl >= 0 Set ntgHrs_[content type]_GPl_ZF to 0 if ntgHad_[content type]> 0, ntgHrs_[content type]_SPl is missing, and ntgHrs_[content type]_GPl >= 0					

	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 [_GPl,_SPl]_ZF ntgHrs_AltOthC [_GPl,_SPl]_ZF	general or spe Alternate cod	ing: vocational [overall and by ecial education setting] ing: other types of courses by general or special education				
•	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	Numeric Variable Values Number of hours Notes 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,	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]		
	CONTENT AREA AND SETTING WITHIN CONTENT AREA Content Area Courses (overall and by general or special education setting)			physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.			
	ntgHrs_Arts [_APl,_GPl,_SPl] ntgHrs_PE [_APl,_GPl,_SPl] ntgHrs_OccV [_APl,_GPl,_SPl] ntgHrs_WS [_APl,_GPl,_SPl] ntgHrs_PreV [_APl,_GPl,_SPl] ntgHrs_LS [_APl,_GPl,_SPl] ntgHrs_LS [_APl,_GPl,_SPl] ntgHrs_Sup [_APl,_GPl,_SPl] ntgHrs_Sup [_APl,_GPl,_SPl]	Hours in acade under content Hours in fine [overall and be setting] Hours in physicand by general Hours in occu [overall and be setting] Hours in work courses [over education setting] Hours in previous general or Hours in life general or specific	demic courses (see ntgHrs_Acad types) or performing arts courses by general or special education sical education courses [overall all or special education setting] upational vocational courses by general or special education k study/cooperative education all and by general or special	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"_GPl" suffix, special by "_SPl," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or \(\neq 4 \) (setting other than special education) for each course Set to .s [skipped] if ntgHad_[area] = 0 [did not have this type of course]			

	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 [_APl,_GPl,_SPl] ntgHrs_AltLS [_APl,_GPl,_SPl]	Alternate cod [overall and b setting] Alternate cod	c under content types) ing: occupational vocational by general or special education ing: life skills courses [overall il or special education setting]					
•	ntgHrs_[content area]_ZF ntgHrs_[content area]_[setting]_ZF	(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	Numeric Variable Values Number of hours Notes ntgHrs_[content area][_setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data			
		Content Area general or spe	ecial education setting) lemic courses (see ntgHrs_Acad	Set ntgHrs_[Content area]_ZF and ntgHrs_[Content area]_[setting]_ZF to 0 if ntgUnits > 0 and ntgHad_[Content area] = 0 (reported units but did not have this type of course) Set ntgHrs_[content area]_GPl_ZF to 0 if	collection]			
	ntgHrs_Arts [_GPl,_SPl]_ZF	Hours in fine	or performing arts courses by general or special education	ntgHad_[Content area] > 0, ntgHrs_[content area]_GPl is missing, and ntgHrs_[content area]_SPl >= 0				
	ntgHrs_PE [_GPl,_SPl]_ZF	and by genera	sical education courses [overall alor special education setting]	Set ntgHrs_[content area]_GPl_ZF to 0 if ntgHad_[Content area]> 0, ntgHrs_[content area]_SPl is missing, and ntgHrs_[content				
	ntgHrs_OccV [_GPl,_SPl]_ZF		pational vocational courses by general or special education	area]_GPl>= 0				
	ntgHrs_WS [_GPl,_SPl]_ZF		study/cooperative education all and by general or special ing]					
	ntgHrs_PreV [_GPl,_SPl]_ZF	Hours in prev	ocational courses [overall and special education setting]					
	ntgHrs_LS [_GPl,_SPl]_ZF		skills courses [overall and by cial education setting]					
	ntgHrs_Sup [_GPl,_SPl]_ZF		ning supports courses [overall all or special education setting]					
	ntgHrs_Oth [_GPl,_SPl]_ZF		r courses [overall and by scial education setting]					
		Alternate cod under content	ing: academic (see Hrs_AltAc types)					

			Cour	rse 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 [_GPl,_SPl]_ZF ntgHrs_AltLS [_GPl,_SPl]_ZF	[overall and be setting] Alternate cod	ing: occupational vocational by general or special education ing: life skills courses [overall al or special education setting]		
•	ntgHrs_[academic subject area] ntgHrs_[academic subject area]_[setting]	(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	Numeric Variable Values Number of hours Notes 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	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
	Ac	demic Subject general or specific general or specific Hours in Enging general or specific Hours in basis and by general or Hours in midby general or Hours in advational Hours in science general or specific	ts Courses ceial education setting) lish courses [overall and by ceial education setting] n courses [overall and by ceial education setting] c-level math courses [overall and special education setting] level math courses [overall and special education setting] level math courses [overall and special education setting] anced-level math courses by general or special education line courses [overall and by ceial education setting] all science courses [overall and special education setting] lates in foreign language courses by general or special education ling: math [overall and by ceial education setting] ling: basic-level math [overall and or special education setting] ling: English [overall and by ceial education setting]		

			Cour	rse 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
	[_APl,_GPl,_SPl] ntgHrs_UnkAc [_APl,_GPl,_SPl]	Hours in other	ecial education setting] er/unspecified courses [overall al or special education setting]		
•	ntgHrs_[academic subject area]_ZF ntgHrs_[academic subject area]_[setting]_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	Numeric Variable Values Number of hours Notes ntgHrs_[academic subject area][_setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data
			TING WITHIN SUBJECT AREA	Set ntgHrs_[academic subject area]_ZF and ntgHrs_[academic subject area]_[setting]_ZF to 0 if	collection]
		ademic Subject general or sp	ets Courses ecial education setting)	ntgUnits > 0 and ntgHad_[academic subject area] = 0 (reported units but did not have this type of	
	ntgHrs_Eng [_GPl,_SPl]_ZF	ntgHrs_Eng Hours in English courses [overall and by		= 0 (reported units but did not have this type of course) ntgUnits > 0 and ntgHad_[academic subject area] = 0 (reported units but did not have this type of course)	
	<u> </u>				
	ntgHrs_MaBas [_GPl,_SPl]_ZF		c-level math courses [overall al or special education setting]	Set ntgHrs_[academic subject area]_GPl_ZF to 0 if ntgHad_[academic subject area]> 0, ntgHrs_[academic subject area]_GPl is missing, and ntgHrs_[academic subject area]_SPl >= 0 Set ntgHrs [academic subject area] GPl ZF to 0 if	
	ntgHrs_MaMid [_GPl,_SPl]_ZF		-level math courses [overall and special education setting]		
	ntgHrs_MaAdv [_GPl,_SPl]_ZF		anced-level math courses by general or special education		
	ntgHrs_Sci [_GPl,_SPl]_ZF		nce courses [overall and by ecial education setting]		
	ntgHrs_Soc [_GPl,_SPl]_ZF		al science courses [overall and special education setting]		
	ntgHrs_Lang [_GPl,_SPl]_ZF				
	ntgHrs_AltMath [_GPl,_SPl]_ZF		ing: math [overall and by ecial education setting]		
	ntgHrs_AltMaB [_GPl,_SPl]_ZF		ing: basic-level math [overall all or special education setting]		
	ntgHrs_AltEn [_GPl,_SPl]_ZF		ing: English [overall and by ecial education setting]		
	ntgHrs_UnkAc	Hours in other	er/unspecified courses [overall		

		Cour	rse taking Summary by Grade Level [File N2Trans_GradeLvl]	
Variable Name	Sources and by gener	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
[_GPl,_SPl]_ZF ntgHrs_[vocational subject area] ntgHrs_[vocational subject area]_[setting] OCCUPATIONAL V WITHIN OCCUI Occu (overall and by ntgHrs_Agr [_APl,_GPl,_SPl] ntgHrs_Bus [_APl,_GPl,_SPl] ntgHrs_Food [_APl,_GPl,_SPl] ntgHrs_Hlth [_APl,_GPl,_SPl] ntgHrs_Mktg [_APl,_GPl,_SPl] ntgHrs_Mktg [_APl,_GPl,_SPl] ntgHrs_Tech [_APl,_GPl,_SPl] ntgHrs_Tech [_APl,_GPl,_SPl] ntgHrs_Trd [_APl,_GPl,_SPl] ntgHrs_Trd [_APl,_GPl,_SPl]	and by general (created) COCATIONAL SUPATIONAL SUPATIONAL VOCATIONAL VOCATIO	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 BJECT AREA AND SETTING ATIONAL SUBJECT AREA sional Courses ecial education setting) cultural related vocational all and by general or special education It service and hospitality related urses [overall and by general or tion setting] th related vocational courses by general or special education keting related vocational courses by general or special education keting related vocational courses by general or special education keting related vocational courses by general or special education keting related vocational all and by general or special education keting related vocational all and by general or special education all all and by general or special education all all and by general or special educations all educations and special educations all educations and special educations and sp	Numeric Variable Values Number of hours Notes 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 "_GPl" suffix, special by "_SPl," 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 type of course]	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
[_APl,_GPl,_SPl]	special educa	urses [overall and by general or tion setting]		

		Cour	rse taking Summary by Grade Level [File N2Trans_GradeLvl]	
ntgHrs_AltBus Alte [_APl,_GPl,_SPl] [ove	erall and by gene	Variable Description usiness related vocational eral or special education	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
ntgHrs_[vocational subject area]_ZF ntgHrs_[vocational subject area]_ZF area]_[setting]_ZF	ated) For eungra hours vocas overa speci this g	each grade level [9-13 and aded], number of course s in occupational tional subject areas—all and by general or ial education setting—in grade; zero filled for illating means	Numeric Variable Values Number of hours Notes ntgHrs_[occupational vocational subject area][_setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
WITHIN OCCUPATION Occupation (overall and by general and by gener	calculating means OCATIONAL SUBJECT AREA AND SETTING ATIONAL VOCATIONAL SUBJECT AREA Dational Vocational Courses general or special education setting) Hours in agricultural related vocational courses [overall and by general or special education setting] Hours in business related vocational courses [overall and by general or special education setting] Hours in food service and hospitality related vocational courses [overall and by general or special education setting] Hours in health related vocational courses [overall and by general or special education setting] Hours in marketing related vocational courses [overall and by general or special education setting] Hours in marketing related vocational courses [overall and by general or special education setting] Hours in home economics related vocational courses [overall and by general or special education setting] Hours in technology related vocational courses [overall and by general or special education setting] Hours in technology related vocational courses [overall and by general or special education setting] Hours in trade and industry related		Set ntgHrs_[vocational subject area]_ZF and ntgHrs_[vocational subject area]_[setting]_ZF to 0 if ntgUnits > 0 and ntgHad_[vocational subject area] = 0 (reported units but did not have this type of course) Set ntgHrs_[vocational subject area]_GPl_ZF to 0 if ntgHad_[vocational subject area] > 0, ntgHrs_[vocational subject area]_GPl is missing, and ntgHrs_[vocational subject area]_GPl_ZF to 0 if ntgHad_[vocational subject area] > 0, ntgHrs_[vocational subject area] > 0, ntgHrs_[vocational subject area]_SPl is missing, and ntgHrs_[vocational subject area]_GPl>= 0	

	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 [_GPl,_SPl]_ZF	special educa Alternate cod [overall and b setting]	ling: business related vocational by general or special education					
•	ntgPctHrs_GPl ntgPctHrs_SPl	(created)	For each grade level [9-13 and ungraded], percentage of time in general or special education setting in this grade level f nours in general setting	Numeric Variable Values Overall percentage of hours in this grade in general or special education setting Notes	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1			
	ntgPctHrs_SPl		f hours in special setting	Calculated as sum of all hours earned in [general/special] setting divided by sum of all hours earned in these grades (ntgHrs) / ntgHrs_APl) X 100 _APl,	[transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]			
				General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course				
•	ntgPctHrs_GPl_ZF ntgPctHrs_SPl_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	Numeric Variable Values Overall percentage of hours in this grade in general or special education setting Notes ntgPctHrs_[setting] zero filled for calculating means; zero filled values are included in denominator rather	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left			
				than excluded as missing Set ntgPctHrs_GPl_ZF to 0 if ntgHrs_ntgPctHrs_GPl is missing and ntgHrs_ntgPctHrs_SPl >= 0 Set ntgPctHrs_SPl_ZF to 0 if ntgHrs_ntgPctHrs_SPl is missing and ntgHrs_ntgPctHrs_GPl >= 0	secondary school at time of final transcript data collection]			
•	ntgPctHrs_[content type] ntgPctHrs_[content type]_[setting]	(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	Numeric Variable Values Percentage of hours in this grade Notes Sum of hours earned in content type overall divided by sum of all hours earned (ntgHrs_[type] /	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and			
	CONTENT TYPE AND SETTING WITHIN CONTENT TYPE Content Type Courses (overall and by general or special education setting) ntgPctHrs_Acad Percentage of time in academic courses			ntgHrs_APl) X 100 Sum of hours earned in content type in each setting (general or special education) divided by sum of all	13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]			

	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			
	[_GPl,_SPl] [overall and by general or special education setting] ntgPctHrs_AnyV		Itime in vocational courses by general or special education ing: academics [overall and by ecial education setting] ing: vocational [overall and by ecial education setting] ing: other types of courses	hours earned with a value for setting (ntgHrs_[type]_[GPL/SPL] / ntgHrs_APl) 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"_GPl" suffix, special by "_SPl," 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]				
•	ntgPctHrs_[content type]_ZF ntgPctHrs_[content type]_[setting]_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	Numeric Variable Values Percentage of hours in this grade Notes ntgPctHrs_[content type][_setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left			
		Content Type general or spe Percentage of [overall and to setting] Percentage of [overall and to setting] Percentage of [overall and to setting] Alternate cod general or spe Alternate cod	Courses ecial education setting) fitime in academic courses by general or special education fitime in vocational courses by general or special education fitime in other types of courses by general or special education fitime in other types of courses by general or special education ing: academics [overall and by ecial education setting] ing: vocational [overall and by ecial education setting]	denominator rather than excluded as missing Set nto PctHrs [content type] ZF and seconda	13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]			

			Cour	rse taking Summary by Grade Level [File N2Trans_GradeLvl]	
	Variable Name ntgPctHrs AltOthC	Sources Alternate cod	Variable Description ing: other types of courses	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
	[_GPI,_SPI]_ZF		by general or special education		
•	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	Numeric Variable Values Percentage of hours in this setting Notes Sum of hours earned in each setting (general or special education) within content type divided by sum	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and
			WITHIN CONTENT TYPE	of hours earned with a value for setting within content	13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data
		Content Type general or sp	Courses ecial education setting)	type (ntgHrs_[type]_[GPL/SPL] / ntgHrs_[type]_APl) X 100	collection]
	ntgPctHrs_Acad_W_ [GPl/SPl]	Of those in actime in gener	cademic courses, percentage of al and special setting	Content types are academic, vocational, or other content type	
	ntgPctHrs_AnyV_W_ [GPl/SPl]	time in gener	ocational courses, percentage of al and special setting	Content types are assigned using course types from ntcType for each course. An alternate coding	
	ntgPctHrs_OthC_W_ [GPl/SPl]	of time in ger	ther types of courses, percentage neral and special setting	ntcTypeAlt moves business math and business English out of vocational and life skills math out of	
	ntgPctHrs_AltAc_W_ [GPl/SPl]	general or spe	ing: academics [overall and by ecial education setting]	other types of courses into academic Setting is by general or special education; general ed	
	ntgPctHrs_AltV_W_ [GPl/SPl]	general or spe	ing: vocational [overall and by ecial education setting]	setting is indicated by the"_GP1" suffix, special by "_SP1"	
	ntgPctHrs_AltOthC_ W_ [GPl/SPl]	Alternate coding: other types of courses [overall and by general or special education setting]		General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course	
				ntgPctHrs_[type] _w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntgPctHrs_[type] for items overall (not by 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	Numeric Variable Values Percentage of hours in this setting Notes Set ntgPctHrs_[content type]_W_GPl_ZF to 0 if ntgPctHrs_[content type]_W_GPl is missing and ntgPctHrs_[content type]_W_SPl >= 0	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left
		Content Type	WITHIN CONTENT TYPE Courses ecial education setting)	Set ntgPctHrs_[content type]_W_GPl_ZF to 0 if ntgPctHrs_[content type]_W_SPl is missing and ntgPctHrs_[content type]_W_GPl>= 0	secondary school at time of final transcript data collection]
	ntgPctHrs_Acad_W_	Of those in a	cademic courses, percentage of al and special setting	ntgPctHrs_[content type]_w_GPI >= 0 ntgPctHrs_[type] _w_[GPI/SPL]_ZF contain the	

			Cour	rse 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	Of those in vertime in general Of those in or of time in general or specific Alternate code general or specific general ge	cational courses, percentage of al and special setting ther types of courses, percentage areal and special setting ing: academics [overall and by ecial education setting] ing: vocational [overall and by ecial education setting]	values within the specific content or subject area for setting; use ntgPctHrs_[type]_ZF for items overall (not by setting)	
	ntgPctHrs_AltOthC_ W_ [GPl/SPl]_ZF		ing: other types of courses by general or special education		
•	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	Numeric Variable Values Percentage of hours in this grade Notes Sum of hours earned in content area overall divided	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1
	CONTENT AREA AND SETTING WITHIN CONTENT AREA			by sum of all hours earned (ntgHrs_[area] / ntgHrs_APl) X 100	[transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left
		Percentage of ntgPctHrs_A Percentage of	ecial education setting) Time in academic courses (see cad under content types) Time in fine or performing arts all and by general or special	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]_[GPL/SPL] / ntgHrs_APl) X 100 Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills,	secondary school at time of final transcript data collection]
	ntgPctHrs_PE [_GPl,_SPl] ntgPctHrs_OccV [_GPl,_SPl]	Percentage of time in physical education courses [overall and by general or special education setting] Percentage of time in occupational vocational courses [overall and by general or special education setting]		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	
	ntgPctHrs_WS [_GPl,_SPl] ntgPctHrs_PreV [_GPl,_SPl]	education cou special educa Percentage of	itime in work study/cooperative arses [overall and by general or tion setting] itime in prevocational courses by general or special education	skills math out of life skills and into academic Setting is by general or special education; general setting is indicated by the "_GPl" suffix, special by "_SPl," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or \(\neq 4 \) (setting other than special	
	ntgPctHrs_LS [_GPl,_SPl]	Percentage of	time in life skills courses by general or special education	education) for each course Set to .s [skipped] if	

			Cour	se 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 [_GPl,_SPl]	courses [over education set	time in learning supports all and by general or special ing]	ntgHad_[area] = 0 [did not have this type of course]	
	ntgPctHrs_Oth [_GPl,_SPl]	and by genera	time in other courses [overall alor special education setting]		
		ntgPctHrs_Al	ing: academic (see tAc under content types)		
	ntgPctHrs_AltOV [_GPl,_SPl]	[overall and be setting]	ing: occupational vocational by general or special education		
	ntgPctHrs_AltLS [_GPl,_SPl]		ing: life skills courses [overall all or special education setting]		
•	ntgPctHrs_[content area]_ZF ntgPctHrs_[content area]_[setting]_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	Numeric Variable Values Percentage of hours in this grade Notes ntgPctHrs_[content area][_setting] zero filled for calculating means; zero filled values are included in	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and
	filled for calculating means CONTENT AREA AND SETTING WITHIN CONTENT AREA			denominator rather than excluded as missing Set ntgPctHrs_[academic subject area]_ZF and	13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data
		Content Area	Courses ecial education setting)	ntgPctHrs_[academic subject area]_[setting]_ZF to 0 if	collection]
	ntgPctHrs_Arts [_GPl,_SPl]_ZF ntgPctHrs_PE [_GPl,_SPl]_ZF ntgPctHrs_OccV	Percentage of time in academic courses (see ntgPctHrs_Acad under content types) Percentage of time in fine or performing arts courses [overall and by general or special education setting] Percentage of time in physical education courses [overall and by general or special education setting] Percentage of time in occupational vocational		ntgUnits > 0 and ntgHad_academic subject area] = 0 (reported units but did not have this type of course) Set ntgPctHrs_[content area]_GPl_ZF to 0 if ntgHad_academic subject area] > 0, ntgPctHrs_[content area]_GPl is missing, and ntgPctHrs_[content area]_SPl >= 0 Set ntgPctHrs_[content area]_GPl_ZF to 0 if	
	[_GPl,_SPl]_ZF ntgPctHrs_WS	courses [over education set	all and by general or special	ntgHad_academic subject area] > 0, ntgPctHrs_[content area]_SPI is missing and	
	[_GPl,_SPl]_ZF	education cou special educa	rses [overall and by general or tion setting]		
	ntgPctHrs_PreV [_GPl,_SPl]_ZF	[overall and b setting]	time in prevocational courses by general or special education		
	ntgPctHrs_LS [_GPl,_SPl]_ZF		time in life skills courses by general or special education		

			Cour	rse 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 [_GPl,_SPl]_ZF ntgPctHrs_Oth [_GPl,_SPl]_ZF ntgPctHrs_AltOV [_GPl,_SPl]_ZF ntgPctHrs_AltLS [_GPl,_SPl]_ZF	courses [over education set Percentage of and by general Alternate codunder content Alternate cod [overall and besetting] Alternate cod	fitime in other courses [overall all or special education setting] ing: academic (see Hrs_AltAc		
•	ntgPctHrs_[content area]_W_[setting]	(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	Numeric Variable Values Percentage of hours in this grade Notes Sum of hours earned in each setting (general or	Base 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)
		Content Area	WITHIN CONTENT AREA Courses	special education) within content area divided by sum of hours earned with a value for setting within content area (ntgHrs_[area]_[GPL/SPL] /	ntcGrLevel = 10-12, Tr_LvStat = 1 or 2, and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades
	ntgPctHrs_Art_W_ [GPI/SPI] ntgPctHrs_PE_W_ [GPI/SPI] ntgPctHrs_OccV_W_	Of those in accredits earned Of those in fipercentage of special setting Of those in pipercentage of special setting. Percentage of special setting.	hysical education courses, credits earned in general and g credits earned in occupational	ntgHrs_[area]_APl) 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	attended between grades 10 and 12]
	[GPI/SPI] ntgPctHrs_WS_W_ [GPI/SPI] ntgPctHrs_PreV_W_ [GPI/SPI] ntgPctHrs_LS_W_	of those in w courses, percegeneral and s Of those in proferedits earnsetting	ork study/cooperative education entage of credits earned in	setting is indicated by the"_GPI" suffix, special by "_SPI" General or special setting is assigned by ntcLevel = 4 (special education) or \(\neq 4 \) (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	

	Course taking Summary by Grade Level [File N2Trans_GradeLvl]							
				Variable Type and Values Notes: Assignments, Modifications,				
Variable 1		Sources	Variable Description	and/or Validations	Base: Which Students			
	[GPl/SPl]	credits earned	in general and special setting	setting)				
_	rs_Sup_W_ [GPl/SPl]	percentage of special setting						
ntgPctHi	rs_Oth_W_ [GPl/SPl]	of credits earn setting	her types of courses, percentage ned in general and special					
			ing: academic (see					
ntgPctHrs_A	AltOV_W_ [GPl/SPl]	Alternate cod	tAc under content types) ing: occupational vocational y general or special setting]					
ntgPctHrs_	AltLS_W_ [GPl/SPl]		ing: life skills courses [overall ll or special setting]					
ntgPctHrs_[area]_W_[s		(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	Numeric Variable Values Percentage of hours in this setting Notes Set ntgPctHrs_[academic subject area]content area_GPl_ZF to 0 if ntgPctHrs_[academic subject area]content	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left			
Con	NTENT ADEA	AND SETTING	WITHIN CONTENT AREA	area_GPl is missing and ntgPctHrs_[academic subject area]content area_SPl >= 0	secondary school at time of final transcript data collection			
Col		Content Area		Set ntgPctHrs_[academic subject area]content	concenon			
(ov			ecial education setting)	area_GPl_ZF to 0 if				
		time in genera	ademic courses, percentage of al and special setting	ntgPctHrs_[academic subject area]content area_SPl is missing and ntgPctHrs_[academic				
	s_Arts_W_ Pl/SPl]_ZF	percentage of setting	ne or performing arts courses, time in general and special	subject area]content area_GPl >= 0 ntgPctHrs_[subject] _w_[GPl/SPL]_ZF contain the values within the specific content or subject area for				
ntgPctHrs_PE_W_ Of those in physical educ [GPl/SPl]_ZF percentage of time in ger setting	nysical education courses, time in general and special	setting; use ntgPctHrs_[subject]_ZF for items overall (not by setting)						
[G	_OccV_W_ Pl/SPl]_ZF	courses [oversetting]	time in occupational vocational all and by general or special					
	rs_WS_W_ Pl/SPl]_ZF	courses, perce special setting						
	_PreV_W_ Pl/SPl]_ZF		revocational courses, percentage areal and special setting					

			Cour	rse 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_ [GPl/SPl]_ZF ntgPctHrs_Sup_W_ [GPl/SPl]_ZF	GPI/SPI]_ZF time in general and special setting Irs_Sup_W_ Of those in learning supports courses,			
	ntgPctHrs_Oth_W_ [GPl/SPl]_ZF	of time in ger	ther types of courses, percentage neral and special setting		
	ntgPctHrs_AltOV_W_ [GPl/SPl]_ZF ntgPctHrs_AltLS_W_ [GPl/SPl]_ZF	Alternate coding: academic (see ntgPctHrs_AltAc under content types) Hrs_AltOV_W_ Alternate coding: occupational vocational [GPl/SPl]_ZF [overall and by general or special education setting] Hrs_AltLS_W_ Alternate coding: life skills courses [overall			
•	ntgPctHrs_[academic subject area] ntgPctHrs_[academic subject area]_[setting]	(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	Numeric Variable Values Percentage of hours in this grade Notes Sum of hours earned in subject area overall divided by sum of all hours earned (ntgHrs_[subject] /	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left
			TING WITHIN SUBJECT AREA	Sum of hours earned in subject area in each setting secondary school at time of final transcript data	secondary school at time of final transcript data collection
	(overall and by	percentage of time in math courses [overall and by general or special education setting] Percentage of time in English courses [overall and by general or special education setting] Percentage of time in math courses [overall and by general or special education setting] Percentage of time in basic-level math courses [overall and by general or special education setting]		(general or special education) divided by sum of all hours earned with a value for setting (ntgHrs_[subject]_[GPL/SPL] / ntgHrs_APl) 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	
	ntgPctHrs_MaBas [_GPl,_SPl]				
	ntgPctHrs_MaMid [_GPl,_SPl]		time in mid-level math courses by general or special education	level math, life skills math from life skills content	
	ntgPctHrs_MaAdv [_GPl,_SPl]	Percentage of	time in advanced-level math all and by general or special ting	area into basic-level math, and business English from occupational vocational business into academic English	
	ntgPctHrs_Sci [_GPl,_SPl]	Percentage of and by genera	time in science courses [overall al or special education setting]	Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl," and overall has no variable suffix.	
<u> </u>	ntgPctHrs_Soc	Percentage of	time in social science courses		

		Cour	rse taking Summary by Grade Level [File N2Trans_GradeLvl]	
			Variable Type and Values	
Variable Name	Sources	Variable Description	and/or Validations	Base: Which Students
I_GPI,_SPI] ntgPctHrs_Lang	[overall and be setting] Percentage of language courspecial education and by general or special education setting] Percentage of courses [overeducation setting] AREA AND SET ademic Subjection general or special education setting] Percentage of courses [overeducation setting] Percentage of loverall and be setting] Percentage of and by general or special education setting] Percentage of and by general or special education setting]	ing: English [overall and by general or special education setting] ing: math [overall and by general or tion setting] ing: math [overall and by general or general education setting] ing: basic-level math [overall and or special education setting] ing: English [overall and by general education setting] ing: English [overall and by general education setting] ing: English [overall and by general education setting] 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 TING WITHIN SUBJECT AREA ts Courses general or special education it ime in English courses general or special education it ime in math courses [overall all or special education setting] it ime in basic-level math	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 type of course] Notes Percentage of hours in this grade Notes ntgPctHrs_[academic subject area][_setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing Set ntgPctHrs_[academic subject area]_ZF and ntgPctHrs_[academic subject area]_[setting]_ZF to 0 if ntgUnits > 0 and ntgHad_[academic subject area] = 0 (reported units but did not have this type of course) Set ntgPctHrs_[academic subject area]_GPl_ZF to 0 if ntgHad_[academic subject area]_OPl_ZF to 0 if	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]
[_GPl,_SPl]_ZF ntgPctHrs_MaMid [_GPl,_SPl]_ZF ntgPctHrs_MaAdv [_GPl,_SPl]_ZF	courses [overall and by general or special education setting] Percentage of time in mid-level math courses [overall and by general or special education setting] Percentage of time in advanced-level math courses [overall and by general or special education setting]		ntgPctHrs_[academic subject area]_GPl is missing, and ntgPctHrs_[academic subject area]_SPl >= 0 Set ntgPctHrs_[academic subject area]_GPl_ZF to 0 if ntgHad_[academic subject area] > 0, ntgPctHrs_[academic subject area]_SPl is missing, and ntgPctHrs_[academic subject area]_GPl >= 0	
ntgPctHrs_Sci [_GPl,_SPl]_ZF		time in science courses [overall all or special education setting]		

			Cour	se taking Summary by Grade Level [File N2Trans_GradeLvl]	
				Variable Type and Values	
	Variable Name	Sources	Variable Description	Notes: Assignments, Modifications, and/or Validations	Base: Which Students
	ntgPctHrs_Soc [_GPl,_SPl]_ZF ntgPctHrs_Lang	[overall and be setting]	time in social science courses by general or special education time in courses in foreign		
	[_GPl,_SPl]_ZF		rses [overall and by general or		
	ntgPctHrs_AltMath [_GPl,_SPl]_ZF	general or spe	ing: math [overall and by cial education setting]		
	ntgPctHrs_AltMaB [_GPl,_SPl]_ZF	and by genera	ing: basic-level math [overall ll or special education setting]		
	ntgPctHrs_AltEn [_GPl,_SPl]_ZF	general or spe	ing: English [overall and by cial education setting]		
	ntgPctHrs_UnkAc [_GPl,_SPl]_ZF				
•	ntgPctHrs_[academic subject area]_W_[setting]	(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	Numeric Variable Values Percentage of hours in this setting Notes Sum of hours earned in each setting (general or special education) within subject area divided by sum	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and
	ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA			of hours earned with a value for setting within subject 13	13 th grade courses if ntaLeft = 2 [had not left
		ademic Subjec	ts Courses ecial education setting)	area (ntgHrs_[subject]_[GPL/SPL] / ntgHrs_[subject]_APl) X 100	secondary school at time of final transcript data collection
	ntgPctHrs_Eng_W_ [GPl/SPl]	Of those in E	nglish courses, percentage of all and special setting	Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level	
	ntgPctHrs_Math_W_ [GPl/SPl]	in general and	ath courses, percentage of time I special setting	math—science, social science, foreign language, or other/unspecified	
	ntgPctHrs_MaBas_W Of those in basic-level math courses, [GPl/SPl] percentage of time in general and special setting		time in general and special	Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from	
	ntgPctHrs_MaMid_W _ [GPl/SPl]		id-level math courses, time in general and special	occupational vocational business into academic basic- level math, life skills math from life skills content area into basic-level math, and business English from	
	ntgPctHrs_MaAdv_W _ [GPl/SPl]		lvanced-level math courses, time in general and special	occupational vocational business into academic English Setting is by general or special education; general ed	
	ntgPctHrs_Sci_W_ [GPl/SPl]	time in genera	ience courses, percentage of al and special setting	setting is indicated by the"_GPI" suffix, special by "_SPI"	
L	ntgPctHrs_Soc_W_	Of those in so	ocial science courses, percentage		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]							
				Variable Type and Values			
	Variable Name	Sources	Variable Description	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_	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]		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]		General or special setting is assigned by ntcLevel = 4 (special education) or \(\neq 4 \) (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)	
	[GPI/SPI] ntgPctHrs_UnkAc_W _ [GPI/SPI]	general or spe Of those in or	ecial education setting] ther/unspecified courses, time in general and special				
•	ntgPctHrs_[academic subject area]_W_[setting]_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	Numeric Variable Values Percentage of hours in this setting Notes Set ntgPctHrs_[academic subject area]_W_GPl_ZF to 0 if	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left		
	ACADEMIC SUBJECT	AREA AND SET	TING WITHIN SUBJECT AREA		secondary school at time of final transcript data collection]		
		ademic Subjec		$area]_W_SP1 >= 0$			
	overall and by ntgPctHrs_Eng_W_ [GPl/SPl]_ZF	Of those in E	ecial education setting) nglish courses, percentage of al and special setting	Set ntgPctHrs_[academic subject area]_W_GPl_ZF to 0 if ntgPctHrs_[academic subject area]_W_SPl is			
	ntgPctHrs_Math_W_ [GPl/SPl]_ZF	in general and	ath courses, percentage of time d special setting	missing and ntgPctHrs_[academic subject area]_W_GPl >= 0			
	_ [GPI/SPI]_ZF	ntgPctHrs_MaBas_W _ [GPl/SPl]_ZF Of those in basic-level math courses, percentage of time in general and special setting		ntgPctHrs_[subject] _w_[GPl/SPL]_ZF contain the values within the specific content or subject area for setting; use ntgPctHrs_[subject]_ZF for items overall			
	ntgPctHrs_MaMid_W _ [GPl/SPl]_ZF		id-level math courses, time in general and special	(not by setting)			
	ntgPctHrs_MaAdv_W _ [GPl/SPl]_ZF		dvanced-level math courses, time in general and special				
	ntgPctHrs_Sci_W_ [GPl/SPl]_ZF	Of those in so	cience courses, percentage of al and special setting				
	ntgPctHrs_Soc_W_ [GPl/SPl]_ZF		ocial science courses, percentage neral and special setting				

			Cour	rse 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_ [GPl/SPl]_ZF	percentage of setting	oreign language courses, time in general and special		
	ntgPctHrs_AltMath_ W_ [GPl/SPl]_ZF	general or spe	ing: math [overall and by ecial education setting]		
	ntgPctHrs_AltMaB_ W_ [GPl/SPl]_ZF	and by genera	ing: basic-level math [overall all or special education setting]		
	ntgPctHrs_AltEn_W_ [GPl/SPl]_ZF		ing: English [overall and by ecial education setting]		
	ntgPctHrs_UnkAc_W _ [GPl/SPl]_ZF		ther/unspecified courses, time in general and special		
•	ntgPctHrs_[vocational subject area] ntgPctHrs_[vocational subject area]_[setting]	(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	Numeric Variable Values Percentage of hours in this grade Notes Sum of hours earned in subject area overall divided by sum of all hours earned (ntgHrs_[subject] /	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left
			ntgHrs_APl) X 100 Sum of hours earned in subject area in each sett (general or special education) divided by sum of		secondary school at time of final transcript data collection]
			ecial education setting)	hours earned with a value for setting (ntgHrs_[subject]_[GPL/SPL] / ntgHrs_APl) X 100	
	ntgPctHrs_Agr [_GPl,_SPl]	Percentage of time in agricultural related vocational courses [overall and by general or special education setting]		Occupational vocational subject areas are agricultural, business, food service and hospitality, health,	
	ntgPctHrs_Bus [_GPl,_SPl]		fitime in business related urses [overall and by general or tion setting]	Subject areas are assigned using content areas from	
	ntgPctHrs_Food [_GPl,_SPl]	ntgPctHrs_Food Percentage of time in food service and		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	
	ntgPctHrs_Mktg [_GPl,_SPl]	Percentage of	time in marketing related urses [overall and by general or	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	
	ntgPctHrs_HmEc [_GPl,_SPl]	Percentage of related vocati	f time in home economics onal courses [overall and by ecial education setting]	(special education) or $\neq 4$ (setting other than special education) for each course	

			Cour	rse 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 [_GPl,_SPl] ntgPctHrs_Trd [_GPl,_SPl] ntgPctHrs_Unk [_GPl,_SPl] ntgPctHrs_AltBus [_GPl,_SPl]	vocational co special educa Percentage of related vocati general or spe Percentage of occupational by general or Alternate cod	time in technology related urses [overall and by general or tion setting] time in trade and industry onal courses [overall and by social education setting] time in other/unspecified vocational courses [overall and special education setting] ing: business related vocational by general or special education	Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this type of course]	
•	ntgPctHrs_[vocational subject area]_ZF ntgPctHrs_[vocational subject area]_[setting]_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	Numeric Variable Values Percentage of hours in this grade Notes ntgPctHrs_[occupational vocational subject area][_setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data
	WITHIN OCCUP Occup	ATIONAL VOCA pational Vocat		Set ntgPctHrs_[vocational subject area]_ZF and ntgPctHrs_[vocational subject area]_[setting]_ZF to 0 if	Subject area]_[setting]_ZF to Had_[vocational subject area] ut did not have this type of onal subject area]_GPl_ZF to 0
	ntgPctHrs_Agr [_GPl,_SPl]_ZF ntgPctHrs_Bus	Percentage of vocational co special educa Percentage of	time in business related	ntgUnits > 0 and ntgHad_[vocational subject area] = 0 (reported units but did not have this type of course) Set ntgPctHrs_[vocational subject area]_GPl_ZF to 0 if	
	ntgPctHrs_Food [_GPl,_SPl]_ZF	[_GPl,_SPl]_ZF hospitality related vocational courses [overall and by general or special education setting] ntgPctHrs_Hlth Percentage of time in health related vocational courses [overall and by general or special education setting]		ntgHad_[vocational subject area] > 0, ntgPctHrs_[vocational subject area]_GPl is missing, and ntgPctHrs_[vocational subject area]_SPl >= 0 Set ntgPctHrs_[vocational subject area]_GPl_ZF to 0	
	[_GPl,_SPl]_ZF			if ntgHad_[vocational subject area] > 0, ntgPctHrs_[vocational subject area]_SPl is missing	
	ntgPctHrs_Mktg [_GPl,_SPl]_ZF	vocational co special educa		and ntgPctHrs_[vocational subject area]_GPl >= 0	
	ntgPctHrs_HmEc [_GPl,_SPl]_ZF	related vocati	time in home economics onal courses [overall and by call education setting]		

			Cour	rse 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 [_GPl,_SPl]_ZF	Percentage of	time in technology related urses [overall and by general or		
	ntgPctHrs_Trd [_GPl,_SPl]_ZF	Percentage of related vocati	time in trade and industry onal courses [overall and by exial education setting]		
	ntgPctHrs_Unk [_GPl,_SPl]_ZF	occupational	time in other/unspecified vocational courses [overall and special education setting]		
	ntgPctHrs_AltBus [_GPl,_SPl]_ZF		ing: business related vocational by general or special education		
•	ntgPctHrs_[vocational subject area]_W_[setting]	(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	Numeric Variable Values Percentage of hours in this setting Notes 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	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left
	WITHIN OCCUP.	OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA		area (ntgHrs_[subject]_[GPL/SPL] / ntgHrs_[subject]_APl) X 100	secondary school at time of final transcript data collection]
		pational Vocat	ional Courses ecial education setting)	Occupational vocational subject areas are agricultural, business, food service and hospitality, health,	
	ntgPctHrs_Agr_W_ [GPl/SPl]	Of those in ag	gricultural related vocational entage of time in general and	marketing, home economics, technology, trade and industry, and other/unknown	
	ntgPctHrs_Bus_W_ [GPl/SPl]	Of those in bucourses, percesspecial setting	usiness related vocational entage of time in general and	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-	
	ntgPctHrs_Food_W_ [GPl/SPl]	related vocati	ood service and hospitality onal courses, percentage of time d special setting	level math and business English from occupational vocational business into academic English	
	ntgPctHrs_Hlth_W_ [GPl/SPl]	Of those in he	ealth related vocational courses, time in general and special	Setting is by general or special education; general setting is indicated by the"_GP1" suffix, special by "_SP1"	
	ntgPctHrs_Mktg_W_ [GPl/SPl]	courses, perce special setting		General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course	
	ntgPctHrs_HmEc_W_ [GPI/SPI]	vocational co general and s		ntgPctHrs_[subject] _w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntgPctHrs_[subject] for items overall (not by	
	ntgPctHrs_Tech_W_	Of those in te	chnology 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_Trd_W_ [GPI/SPI] ntgPctHrs_Unk_W_ [GPI/SPI] ntgPctHrs_AltBus_W	courses, perce special setting Of those in tr percentage of setting Of those in of vocational co time in general	entage of time in general and g ade and industry courses, time in general and special ther/unspecified occupational urses courses, percentage of al and special setting ing: business related vocational	setting)	base: which students					
•	_ [GPl/SPl] o ntgPctHrs_[vocational subject area]_W_[setting]_ZF	[overall and t setting] (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	Numeric Variable Values Percentage of hours in this setting Notes Set ntgPctHrs_[vocational subject area]_W_GPl_ZF to 0 if ntgPctHrs_[vocational subject area]_W_GPl is	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data					
	OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA Occupational Vocational Courses			missing and ntgPctHrs_[vocational subject area]_W_SPl >= 0 Set ntgPctHrs_[vocational subject area]_W_GPl_ZF to 0 if	collection]					
	ntgPctHrs_Agr_W_	Of those in ag	ecial education setting) gricultural related vocational	ntgPctHrs_[vocational subject area]_W_SPl is missing and ntgPctHrs_[vocational subject						
	[GPl/SPl]_ZF ntgPctHrs_Bus_W_ [GPl/SPl]_ZF	of those in be courses, perce special setting	usiness related vocational entage of time in general and	area]_W_GPl >= 0 ntgPctHrs_[subject] _w_[GPl/SPL]_ZF contain the values within the specific content or subject area for setting; use ntgPctHrs_[subject]_ZF for items overall (not by setting)						
	ntgPctHrs_Food_W_ [GPl/SPl]_ZF	related vocati	ood service and hospitality onal courses, percentage of time d special setting	(not by setting)						
	ntgPctHrs_Hlth_W_ [GPl/SPl]_ZF	Of those in health related vocational courses, percentage of time in general and special setting								
	ntgPctHrs_Mktg_W_ [GPl/SPl]_ZF	courses, perce special setting								
	ntgPctHrs_HmEc_W_ [GPl/SPl]_ZF	vocational co general and s								
	ntgPctHrs_Tech_W_		chnology 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 ntgPctHrs_Trd_W_ [GPI/SPI]_ZF ntgPctHrs_Unk_W_ [GPI/SPI]_ZF ntgPctHrs_AltBus_W[GPI/SPI]_ZF o ntgGPA ntgGPA_GPI ntgGPA_SPI	courses, perc special setting Of those in tr percentage of setting Percentage of courses [over education set Of those in ovocational course in general courses courses [over education set of those in ovocational course in general setting s	entage of time in general and g ade and industry courses, and and industry courses, are time in general and special of time in related vocational and and by general or special ting] ther/unspecified occupational curses courses, percentage of all and special setting ing: business related vocational by general or special education 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	Numeric Variable Values Weighted grade point average Notes Weighted grade point average in this grade 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 Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl," 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	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]				
	ntgGPA_[content type]ntgGPA_[content type]_[setting]	(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	Numeric Variable Values Weighted grade point average Notes Weighted grade point average in this grade in content type overall and by setting. Grade point weighted by hours for each course:	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data				
			WITHIN CONTENT TYPE	Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is	collection]				
L	Content Type 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				
	(overall and by ntgGPA_Acad [_GPl,_SPl] ntgGPA_AnyV [_GPl,_SPl] ntgGPA_OthC [_GPl,_SPl] ntgGPA_AltAc [_GPl,_SPl] ntgGPA_AltV [_GPl,_SPl] ntgGPA_AltOthC [_GPl,_SPl]	GPA in acade general or specific GPA in vocation general or specific GPA in other general or specif	ecial education setting) emic courses [overall and by ecial education setting] ional courses [overall and by ecial education setting] types of courses [overall and by ecial education setting] ing: academics [overall and by ecial education setting] ing: vocational [overall and by ecial education setting] ing: other types of courses by general or special education	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"_GPl" suffix, special by "_SPl," 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	Numeric Variable Values Weighted grade point average Notes Weighted grade point average in this grade in content area overall and by setting	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left				
		AND SETTING Content Area	WITHIN CONTENT AREA	Grade point weighted by hours for each course: Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is	secondary school at time of final transcript data collection]				
	(overall and by general or special education setting) GPA in academic courses(see ntgGPA_Acad under content types) ntgGPA_Arts GPA in fine or performing arts courses [_GPI,_SPI] [overall and by general or special education setting] ntgGPA_PE [_GPA in physical education courses [overall and by general or special education setting] ntgGPA_OccV GPA in occupational vocational courses [_GPI,_SPI] [overall and by general or special education setting] ntgGPA_WS GPA in work study/cooperative education			calculated as sum of 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					

	Course taking Summary by Grade Level [File N2Trans_GradeLvl]								
				Variable Type and Values Notes: Assignments, Modifications,					
	Variable Name	Sources	Variable Description	and/or Validations	Base: Which Students				
	[_GPl,_SPl] ntgGPA PreV	education set	ting] ocational courses [overall and by	setting is indicated by the"_GPI" suffix, special by " SPI," and overall has no variable suffix.					
	[_GPl,_SPl]		ecial education setting]	General or special setting is assigned by ntcLevel = 4					
	ntgGPA_LS [_GPl,_SPl]	general or spe	kills courses [overall and by ecial education setting]	(special education) or $\neq 4$ (setting other than special education) for each course					
	ntgGPA_Sup [_GPI,_SPI]	and by genera	ing supports courses [overall al or special education setting]	Set to .s [skipped] if ntgHad_[area] = 0 [did not have this type of course]					
	ntgGPA_Oth [_GPl,_SPl]	or special edu	courses [overall and by general acation setting]	coursej					
			ling: academic (see Ac under content types)						
	ntgGPA_AltOV Alternate coding: occupat		ling: occupational vocational by general or special education						
	ntgGPA_AltLS [_GPl,_SPl]		ling: life skills courses [overall al or special education setting]						
•	ntgGPA_[academic subject area] ntgGPA_[academic subject area]_[setting]	(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	Numeric Variable Values Weighted grade point average Notes Weighted grade point average in this grade in academic subject area overall and by setting Grade point weighted by hours for each course:	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data				
			TING WITHIN SUBJECT AREA	Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is	collection]				
		ademic Subject general or spe	ets Courses ecial education setting)	calculated as sum of weighted grade points ÷ sum of hours					
	ntgGPA_Eng [_GPl,_SPl]	GPA in Engli general or spe	ish courses [overall and by ecial education setting]	Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level					
	ntgGPA_Math [_GPl,_SPl]	or special edu	courses [overall and by general acation setting]	math—science, social science, foreign language, or other/unspecified					
	ntgGPA_MaBas [_GPl,_SPl]	GPA 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					
	ntgGPA_MaMid [_GPl,_SPl]		level math courses [overall and special education setting]	with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-					
	ntgGPA_MaAdv [_GPl,_SPl]		nced-level math courses [overall al or special education setting]	level math, life skills math from life skills content area into basic-level math, and business English from					
	ntgGPA_Sci [_GPl,_SPl]		ce courses [overall and by ecial education setting]	occupational vocational business into academic English					

Course taking Summary by Grade Level [File N2Trans_GradeLvl]								
				Variable Type and Values				
	Variable Name	Sources	Variable Description	Notes: Assignments, Modifications, and/or Validations	Base: Which Students			
	[_GPl,_SPl] 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.				
	ntgGPA_Lang [_GPl,_SPl]		es in foreign language courses by general or special education	General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special				
	ntgGPA_AltMath [_GPl,_SPl]		ing: math [overall and by ecial education setting]	education) for each course Set to .s [skipped] if				
	ntgGPA_AltMaB [_GPl,_SPl]		ing: basic-level math [overall all or special education setting]	ntgHad_[subject] = 0 [did not have this type of course]				
	ntgGPA_AltEn [_GPl,_SPl]	general or spe	ing: English [overall and by ecial education setting]					
	ntgGPA_UnkAc [_GPl,_SPl]		/unspecified courses [overall all or special education setting]					
•	ntgGPA_[vocational subject area] ntgGPA_[vocational subject area]_[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	Numeric Variable Values Weighted grade point average Notes Weighted grade point average in this grade in occupational vocational subject area overall and by setting	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left			
			BJECT AREA AND SETTING ATIONAL SUBJECT AREA	Grade point weighted by hours for each course: Weighted grade point = ntcGradeScale (grade point) * secondary school at time of final transcript dat collection]				
			ntcHrs (hours); the weighted grade point average is calculated as sum of weighted grade points ÷ sum of					
	-		ecial education setting)	hours				
	ntgGPA_Agr [_GPl,_SPl]		ultural related vocational all and by general or special ting]	Occupational vocational subject areas are agricultural, business, food service and hospitality, health,				
	ntgGPA_Bus [_GPl,_SPl]	[overall and b	ess related vocational courses by general or special education	marketing, home economics, technology, trade and industry, and other/unknown Subject areas are assigned using content areas from				
	ntgGPA_Food [_GPl,_SPl]	setting] GPA in food service and hospitality related vocational 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-				
	ntgGPA_Hlth [_GPl,_SPl]		n related vocational courses by general or special education	level math and business English from occupational vocational business into academic English Setting is by general or special education; general				
	ntgGPA_Mktg [_GPl,_SPl]	GPA in mark	eting related vocational courses by general or special education	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				
	ntgGPA_HmEc	GPA in home	economics related vocational	General of special setting is assigned by Intellevel – 4				

	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				
	[_GPl,_SPl] ntgGPA_Tech [_GPl,_SPl] ntgGPA_Trd [_GPl,_SPl] ntgGPA_Unk [_GPl,_SPl] ntgGPA_AltBus [_GPl,_SPl]	education set GPA in techn [overall and be setting] GPA in trade courses [over education set GPA in other vocational co- special educa Alternate cod [overall and be	ology related vocational courses by general or special education and industry related vocational all and by general or special ting] /unspecified occupational urses [overall and by general or	<pre>(special education) or ≠ 4 (setting other than special education) for each course Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this type of course]</pre>					
•	ntgFail ntgFail_[setting]	(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	Numeric Variable Values 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed Notes 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	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]				
•	(overall and by	Content Type general or spe Had a failing	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 WITHIN CONTENT TYPE Courses ecial education setting) grade in academic courses by general or special education	Numeric Variable Values 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed Notes 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	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]				

			Cour	rse taking Summary by Grade Level [File N2Trans_GradeLvl]	
				Variable Type and Values Notes: Assignments, Modifications,	
	Variable Name	Sources	Variable Description	and/or Validations	Base: Which Students
	ntgFail_AnyV [_GPl,_SPl] ntgFail_OthC [_GPl,_SPl] ntgFail_AltAc [_GPl,_SPl] ntgFail_AltV [_GPl,_SPl] ntgFail_AltOthC [_GPl,_SPl]	[overall and be setting] Had a failing [overall and be setting] Alternate code general or specific and specif	grade in vocational courses by general or special education grade in other types of courses by general or special education ing: academics [overall and by ecial education setting] ing: vocational [overall and by ecial education setting] ing: other types of courses by general or special education	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]	
•	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	Numeric Variable Values 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed Notes Sum if any ntcPassFail = 2 (failed) for courses in this grade in content area overall and by setting	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data
	CONTENT AREA	AND SETTING	WITHIN CONTENT AREA	Content areas are academic, fine and performing arts,	collection]
		Had a failing	ecial education setting) grade in academic courses (see	physical education, occupational vocational, work study/cooperative education, prevocational, life skills, learning supports, or other content area.	
	ntgFail_Arts Had a failin [_GPl,_SPl] courses [overage education sentgFail_PE Had a failin		grade in physical education	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	
	[_GPl,_SPl] ntgFail_OccV [_GPl,_SPl]	education set Had a failing vocational co special educa	grade in occupational urses [overall and by general or tion setting]	Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4	
	ntgFail_WS [_GP1,_SP1] ntgFail_PreV	education cou special educa	grade in work study/cooperative urses [overall and by general or tion setting] grade in prevocational courses	(special education) or ≠ 4 (setting other than special education) for each course Set to .s [skipped] if	

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

	Course taking Summary by Grade Level [File N2Trans_GradeLvl]								
				Variable Type and Values					
	Variable Name	Sources	Variable Description	Notes: Assignments, Modifications, and/or Validations	Base: Which Students				
	ntgFail_Sci [_GPl,_SPl] ntgFail_Soc [_GPl,_SPl] ntgFail_Lang [_GPl,_SPl] ntgFail_AltMath [_GPl,_SPl] ntgFail_AltMaB [_GPl,_SPl] ntgFail_AltEn [_GPl,_SPl] ntgFail_UnkAc [_GPl,_SPl]	education setting] ntgFail_Sci [_GPl,_SPl] [overall and by general or special education setting] ntgFail_Soc [_GPl,_SPl] [overall and by general or special education setting] ntgFail_Lang [_GPl,_SPl] [overall and by general or special education setting] ntgFail_AltMath [_GPl,_SPl] [overall and by general or special education setting] ntgFail_AltMaB [_GPl,_SPl] [overall and by general or special education setting] ntgFail_AltMaB [_GPl,_SPl] [overall and by general or special education setting] ntgFail_AltEn [_GPl,_SPl] [overall and by general or special education setting] ntgFail_UnkAc [_GPl,_SPl] [overall and by general or special education setting] ntgFail_UnkAc [_GPl,_SPl] [overall and by general or special education setting]		General or special setting is assigned by ntcLevel = 4 (special education) or \(\neq 4 \) (setting other than special education) for each course Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this type of course]					
•	ntgFail_[vocational subject area] ntgFail_[vocational subject area]_[setting]	education set (created) OCATIONAL SU	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	Numeric Variable Values 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed Notes Sum if any ntcPassFail = 2 (failed) for courses in this grade in occupational vocational subject area overall and by setting	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]				
	WITHIN OCCUP	ATIONAL VOCA	ATIONAL SUBJECT AREA	Occupational vocational subject areas are agricultural,	concensus				
	Occupational Vocational Courses (overall and by general or special education setting) ntgFail_Agr Had a failing grade in agricultural related [_GPl,_SPl] vocational courses [overall and by general or special education setting] ntgFail_Bus Had a failing grade in business related vocational courses [overall and by general or special education setting] ntgFail_Food Had a failing grade in food service and hospitality related vocational courses [overall and by general or special education setting]			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					

	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				
	Cariable Name Sources Variable Description		tion setting] grade in marketing related urses [overall and by general or tion setting] grade in home economics onal courses [overall and by ecial education setting] grade in technology related urses [overall and by general or tion setting] grade in trade and industry onal courses [overall and by ecial education setting] grade in other/unspecified vocational courses [overall and special education setting] ing: business related vocational	"_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 type of course]					
•	ntgPctFail_[content type]_W ntgPctFail_[content type]_W_[setting]	setting] (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	Numeric Variable Values Percentage of courses failed within content type Notes Percentage of courses failed in this grade within content type overall and by setting	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left				
			WITHIN CONTENT TYPE	Percentage calculated as sum of ntcHrs (hours) in content type where ntcPassFail = 2 (failed) ÷ sum of	secondary school at time of final transcript data				
	Content Type Courses (overall and by general or special education setting) ntgPctFail_Acad_W			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"_GP1" suffix, special by "_SP1"	collection]				

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 [_GPl,_SPl] ntgPctFail_AltOthC_ W [_GPl,_SPl]	general or spe Alternate cod	ing: vocational [overall and by ecial education setting] ing: other types of courses by general or special education	General or special setting is assigned by ntcLevel = 4 (special education) or \(\neq 4 \) (setting other than special education) for each course ntgPctFail_[type] _w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntgPctFail_[type] for items overall (not by 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	Numeric Variable Values Percentage of courses failed within content area Notes Percentage of courses failed in this grade in content area overall and by setting	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left			
CONTENT AREA AND SETTING WITHIN CONTENT AREA Content Area Courses			Percentage calculated as sum of ntcHrs (nours) in	secondary school at time of final transcript data collection]			
	general or special education courses of education courses of education coursecial education education occupational by general or Percentage of study/coopera and by general Percentage of prevocational or special education settle Percentage of Percentage of courses [over education settle Percentage of courses of percentage o	courses failed within fine or test courses failed within fine or test courses failed within fine or test courses [overall and by testal education setting] courses failed within physical trees [overall and by general or tion setting] courses failed within wocational courses [overall and special education setting] courses failed within work the tree ducation courses [overall and special education courses [overall and or special education setting] courses failed within courses [overall and special education setting] courses failed within courses [overall and by general testal setting] courses failed within life skills all and by general or special	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"_GPl" suffix, special by "_SPl". General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course ntgPctFail_[area] _w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntgPctFail_[area] for items overall (not by 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_Oth_W [_GPl,_SPl] ntgPctFail_AltOV_W [_GPl,_SPl] ntgPctFail_AltLS_W [_GPl,_SPl]	courses [over education sett Alternate cod ntgPctFail_A' Alternate cod [overall and b setting] Alternate cod	courses failed within other all and by general or special				
•	ntgPctFail_[academic subject area]_W ntgPctFail_[academic subject area]_W_[setting]	(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	Numeric Variable Values Percentage of courses failed within subject area Notes Percentage of courses failed in this grade in academic subject area overall and by setting Percentage calculated as sum of ntcHrs (hours) in	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data		
	Ac	ademic Subject general or specific Percentage of	ccial education setting) courses failed within English all and by general or special	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	collection]		
	ntgPctFail_Math_W [_GPl,_SPl] ntgPctFail_MaBas_W	Percentage of courses [over education sett	courses failed within math	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-			
	[_GPl,_SPl] ntgPctFail_MaMid_W [_GPl,_SPl]	level math co special educa Percentage of math courses	urses [overall and by general or tion setting] courses failed within mid-level [overall and by general or	level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic English			
	ntgPctFail_MaAdv_W [_GPl,_SPl]	advanced-leve general or spe	courses failed within el math courses [overall and by ecial education setting]	Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl" General or special setting is assigned by ntcLevel = 4			
	ntgPctFail_Sci_W [_GPl,_SPl] ntgPctFail_Soc_W	Percentage of courses [over-education sett	courses failed within science all and by general or special	(special education) or ≠4 (setting other than special education) for each course ntgPctFail_[subject] _w_[GPl/SPL] contain the values			

Course taking Summary by Grade Level [File N2Trans_GradeLvl]					
				Variable Type and Values	
	Variable Name	Sources	Variable Description	Notes: Assignments, Modifications, and/or Validations	Base: Which Students
	[_GPl,_SPl]	special education setting] ntgPctFail_Lang_W [_GPl,_SPl] ntgPctFail_AltMath W [_GPl,_SPl] ntgPctFail_AltMaB W [_GPl,_SPl] ntgPctFail_AltMaB W [_GPl,_SPl] ntgPctFail_AltEn_W [_GPl,_SPl] ntgPctFail_AltEn_W [_GPl,_SPl] ntgPctFail_AltEn_W [_GPl,_SPl] ntgPctFail_AltEn_W [_GPl,_SPl] ntgPctFail_AltEn_W [_GPl,_SPl] ntgPctFail_UnkAc_W [_GPl,_SPl] tgPctFail_UnkAc_W [_GPl,_SPl] ntgPctFail_UnkAc_W [_GPl,_SPl] ntgPctFail_AltEn_W [_GPl,_SPl]		within the specific content or subject area for setting; use ntgPctFail_[subject] for items overall (not by setting)	
	[_GPl,_SPl]				
	ntgPctFail_AltMath_ W [_GPl,_SPl]				
	ntgPctFail_AltMaB_ W [_GPl,_SPl]				
	ntgPctFail_AltEn_W [_GPl,_SPl]				
	ntgPctFail_UnkAc_W [_GPl,_SPl]				
•	ntgPctFail_[vocational subject area]_W ntgPctFail_[vocational subject area]_W_[setting]	(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	Notes Percentage of courses failed in this grade in occupational vocational subject area overall and by setting grade Exclusional frames and the setting set	ll Students with course level transcript data for this
	OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA			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,	collection]
	Occupational Vocational Courses (overall and by general or special education setting) ntgPctFail_Agr_W Percentage of courses failed within				
	ntgPctFail_Agr_w [_GPl,_SPl]	agricultural re	ultural related vocational courses rall and by general or special education	marketing, home economics, technology, trade and industry, and other/unknown Subject areas are assigned using content areas from	
	ntgPctFail_Bus_W [_GPl,_SPl]	Percentage of courses failed within business related vocational courses [overall and by general or special education setting] Percentage of courses failed within food service and hospitality related vocational courses [overall and by general or special education setting] Percentage of courses failed within health related vocational courses [overall and by general or special education setting] Percentage of courses failed within marketing		ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business English from occupational vocational business into academic English Setting is by general or special education; general ed	
	ntgPctFail_Food_W [_GPl,_SPl]				
	ntgPctFail_Hlth_W			setting is indicated by the"_GPl" suffix, special by "_SPl".	
	[_GPl,_SPl] ntgPctFail_Mktg_W			General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than 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				
[_GPl,_SPl] ntgPctFail_HmEc_W	general or specific percentage of economics read by general percentage of technology respectively. Percentage of industry relations and by general percentage of other/unspecific courses [over education set and technology respectively.]	onal courses [overall and by ecial education setting] f courses failed within home lated vocational courses [overall al or special education setting] f courses failed within elated vocational courses by general or special education f courses failed within trade and ed vocational courses [overall al or special education setting] f courses failed within fied occupational vocational all and by general or special education lated by general or special education by general or special education lates general or special education by general or special education	education) for each course ntgPctFail_[subject] _w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntgPctFail_[subject] for items overall (not by setting)					
ntgVocInvlv	setting] (created)	For each grade level [9-13 and ungraded], scale describing extent of vocational involvement within an occupational area in this grade	Numeric Variable Values 1 No vocational courses 2 Prevocational/career education 3 One or more occupational vocational classes—occupational area(s) unidentified 4 Survey of vocational (1-3 courses in one occupational area) 5 Sequence of vocational (4 or more courses in one occupational area) Notes Set to 1 [no voc] if ntgHad_OccV and ntgHad_PreV = 0 [no classes in prevocational or occupational vocational] Set 2 [prevocational] if ntgHad_OccV = 0 and ntgHad_PreV = 1 [courses in prevocational] Set 3 [unidentified occupational vocational] Set 3 [unidentified occupational vocational] if ntgNbr_Unk >= 1 and all other ntgNbr_[voc subject areas] are missing [had courses in occupational voc but subject areas unidentified]	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]				

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

Course taking Summary by Grade Level [File N2Trans_GradeLvl]

	[File N21 rails_GradeLvi]						
				Variable Type and Values			
	Variable Name	Sources	Variable Description	Notes: Assignments, Modifications, and/or Validations	Base: Which Students		
	, 1121320 2 111120	Sources	, armore 2 correption	Set to 4 [prevocational and work study] if ntgVocInvlv = 2 and ntgVocHad_WS = 1 [courses in prevocational and work study]	Disco (Times Sections)		
				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]			
				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]			
				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]			
				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]			
				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]			
				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]			
				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]			
•	ntgGrdFirstYr	Transcript	For each grade level [9-13 and	Numeric Variable Values	Base		
			ungraded], earliest school year	1 1996-1997	All Students with course level transcript data for this		

Course taking Summary by Grade Level [File N2Trans_GradeLvl]

	Vowishle Type and Volume					
				Variable Type and Values Notes: Assignments, Modifications,		
	Variable Name	Sources	Variable Description	and/or Validations	Base: Which Students	
	variable Ivanic	Sources	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 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th 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	Numeric Variable Values 1	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th 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	Numeric Variable Values Number of school years Notes Calculated as (ntgGrdLastYr-ntgGrdFirstYr) + 1	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th 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	Numeric Variable Values 1 \$25,000 or less 2 \$25,001 - \$50,000 3 More than \$50,000 Notes Set to value of W1_IncomeHdr2001 if ntcGrdFirstyr = 1-7 (1996/97-2002/03)	Base All Students with course level transcript data for this grade Excludes 12 th grade courses if ntaComplete≠ 1 [transcript is not complete through 12 th grade] and 13 th grade courses if ntaLeft = 2 [had not left secondary school at time of final transcript data collection]	

	Course taking Summary by Grade Level [File N2Trans_GradeLvl]						
Variable	Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations Set to value of W2_IncomeHdr2003 if	Base: Which Students		
				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 One R	Variable Description ecord per student of those who lej	Variable Type and Values Notes: Assignments, Modifications, and/or Validations ft secondary school and had course-level transcript data f	Base: Which Students for grades attended			
•	ID	ID	Individual youth ID	Numeric Variable Values 5-digit ID number Notes Randomly generated for public use data	Base 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]			
•		Content Type general or sp	If youth ever had courses in content types—overall and by general or special education setting—when he/she was in secondary school WITHIN CONTENT TYPE Courses ecial education setting) c courses [overall and by	Numeric Variable Values 1 Yes 0 No Notes Calculated for students who left secondary school and have course level transcript data for all grades attended Content types are academic, vocational, or other	Base 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			
	[_GPI,_SPI] ntsHad_AnyV [_GPI,_SPI] ntsHad_OthC [_GPI,_SPI] ntsHad_AltAc [_GPI,_SPI] ntsHad_AltV [_GPI,_SPI] ntsHad_AltOthC [_GPI,_SPI]	Had vocation general or spe Had other typ general or spe Alternate cod general or spe Alternate cod general or spe Alternate cod	ecial education setting] al courses [overall and by ecial education setting] es of courses [overall and by ecial education setting] ing: academics [overall and by ecial education setting] ing: vocational [overall and by ecial education setting] ing: other types of courses by general or special education	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 \neq 4 (setting other than special education) for each course				
•		If youth ever had courses in content areas—overall and by general or special education setting—when he/she was in secondary school EEA AND SETTING WITHIN CONTENT AREA Content Area Courses by general or special education setting) Had academic courses (see ntsHad_Acad		Numeric Variable Values 1 Yes 0 No Notes 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	Base 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_Arts [_GPl,_SPl] ntsHad_PE [_GPl,_SPl] ntsHad_OccV [_GPl,_SPl] ntsHad_WS [_GPl,_SPl] ntsHad_TPeV [_GPl,_SPl] ntsHad_LS [_GPl,_SPl] ntsHad_LS [_GPl,_SPl]	under content Had fine or p and by genera Had physical by general or Had occupati and by genera Had work stu courses [over education set Had prevocat general or spe Had life skills or special edu Had learning	etypes) erforming arts courses [overall al or special education setting] education courses [overall and special education setting] onal vocational courses [overall al or special education setting] dy/cooperative education all and by general or special	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"_GPl" suffix, special by "_SPl," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each 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				
	ntsHad_Oth [_GPl,_SPl]	Had other cou special educa	urses [overall and by general or tion setting]						
			ing: academic (see c under content types)						
	ntsHad_AltOV [_GPl,_SPl]		ing: occupational vocational by general or special education						
	ntsHad_AltLS [_GPl,_SPl]		ing: life skills courses [overall all or special education setting]						
•	ntsHad_[academic subject area] ntsHad_[academic subject area]_[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	Numeric Variable Values 1 Yes 0 No Notes Calculated for students who left secondary school and	Base 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]				
	ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA			have course level transcript data for all grades attended transcript data for grades attended					
	Academic Subjects 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					
	ntsHad_Eng [_GPl,_SPl]		courses [overall and by general acation setting]	math—science, social science, foreign language, or other/unspecified					
	ntsHad_Math [_GPl,_SPl]	Had math cou special educa	arses [overall and by general or tion 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-					
	ntsHad_MaBas [_GPl,_SPl]		rel math courses [overall and by ecial education setting]						
	ntsHad_MaMid [_GPl,_SPl]	Had mid-level math courses [overall and by		level math, life skills math from life skills content area into basic-level math, and business English from					
	ntsHad_MaAdv [_GPl,_SPl]		d-level math courses [overall all or special education setting]	occupational vocational business into academic English					
	ntsHad_Sci [_GPl,_SPl]		courses [overall and by general acation 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 [_GPl,_SPl]	Had social science courses [overall and by		General or special setting is assigned by ntcLevel = 4					
	ntsHad_Lang [_GP1,_SP1]	[overall and be setting]	n foreign language courses by general or special education	(special education) or $\neq 4$ (setting other than special education) for each course					
	ntsHad_AltMath [_GPl,_SPl]	general or spe	ing: math [overall and by ecial education setting]						
	ntsHad_AltMaB	ntsHad_AltM	[aB [_GPl,_SPl]						

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		
	[_GPl,_SPl] ntsHad_AltEn [_GPl,_SPl] ntsHad_UnkAc	general or spe Had other/uns	ing: English [overall and by ecial education setting] specified courses [overall and				
•	[_GPl,_SPl] ntsHad_[vocational subject area] ntsHad_ [vocational subject area]_[setting]	by general or (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	Numeric Variable Values 1 Yes 0 No Notes Calculated for students who left secondary school and	Base 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		
	OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA Occupational Vocational Courses (overall and by general or special education setting) ntsHad_Agr Had agricultural related vocational courses [_GPl,_SPl] [overall and by general or special education setting]		BJECT AREA AND SETTING ATIONAL SUBJECT AREA ional Courses ecial education setting) ral related vocational courses by general or special education	have course level transcript data for all grades attended 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	transcript data for grades attended]		
	ntsHad_Bus [_GPl,_SPl] ntsHad_Food [_GPl,_SPl] ntsHad_Hlth	setting] hatsHad_Food [_GPl,_SPl] Had food service and hospitality related vocational courses [overall and by general or special education setting] hatsHad_Hlth Had health related vocational courses [overall and by general or special education setting] hatsHad_Hlth Had health related vocational courses [overall and by general or special education setting] hatsHad_Food Had food service and hospitality related vocational or special education setting]		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"_GPl" suffix, special by			
	ntsHad_Mktg			"_SPI," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course			
				education) for each course			
	ntsHad_Tech Had technology related vocational courses [_GPl,_SPl] [overall and by general or special education setting]						
	ntsHad_Trd [_GPl,_SPl] ntsHad_Unk	courses [over education set	d industry related vocational all and by general or special ing] specified occupational				
	[_GPl,_SPl]	vocational co	urses [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 [_GPl,_SPl]		ling: business related vocational by general or special education						
•	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	Numeric Variable Values Number of hours Notes Calculated for students who left secondary school and have course level transcript data for all grades attended	Base 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]				
	CONTENT TYPE	ONTENT TYPE AND SETTING WITHIN CONTENT TYPE		Sum of courses in content type overall, overall limited to those with a value for setting, and by setting					
		Content Type	Courses ecial education setting)	Content types are academic, vocational, or other					
	ntsNbr_Acad [_APL,_GPl,_SPl] ntsNbr_AnyV	Number of academic courses [overall and by general or special education setting] Number of vocational courses [overall and by	Content type Content types are assigned using course types from ntcType for each course. An alternate coding						
	[_APL,_GPl,_SPl] ntsNbr_OthC [_APL,_GPl,_SPl]	Number of ot	ecial education setting] ther types of courses [overall alor 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					
	ntsNbr_AltAc [_APL,_GPl,_SPl]		ling: academics [overall and by ecial education setting]						
	ntsNbr_AltV [_APL,_GPl,_SPl]		ling: vocational [overall and by ecial education setting]						
	ntsNbr_AltOthC [_APL,_GPl,_SPl]	AltOthC Alternate coding: other types of courses		education) for each course					
•	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	Numeric Variable Values Number of hours Notes Calculated for students who left secondary school and have course level transcript data for all grades attended	Base 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]				
	CONTENT AREA	AND SETTING	WITHIN CONTENT AREA	Sum of courses in content area overall, overall limited to those with a value for setting, and by setting					
			Courses ecial education setting) cademic courses (see	Content areas are academic, fine and performing arts, physical education, occupational vocational, work					

	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,_GPl,_SPl] ntsNbr_PE [_APL,_GPl,_SPl] ntsNbr_OccV [_APL,_GPl,_SPl] ntsNbr_WS [_APL,_GPl,_SPl] ntsNbr_PreV [_APL,_GPl,_SPl] ntsNbr_LS [_APL,_GPl,_SPl] ntsNbr_Sup [_APL,_GPl,_SPl] ntsNbr_Oth [_APL,_GPl,_SPl] ntsNbr_AltOV [_APL,_GPl,_SPl] ntsNbr_AltOV [_APL,_GPl,_SPl]	ntsNbr_Acad Number of fir [overall and be setting] Number of phe potential and be setting] Number of occurrent and be setting] Number of occurrent and be setting] Number of we courses [overeducation settent and be general or special and be setting] Alternate code [overall and be setting] Alternate code	under content types) ne or performing arts courses by general or special education nysical education courses by general or special education coupational vocational courses by general or special education ork study/cooperative education ork study/cooperative education all and by general or special ting] evocational courses [overall and special education setting] fe skills courses [overall and by ecial education setting] arning supports courses [overall al or special education setting] her courses [overall and by ecial education setting] ing: academic (see Hrs_AltAc	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"_GPl" suffix, special by "_SPl," 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					
•	Accoverall and by	ademic Subjec general or spe Number of En	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 TING WITHIN SUBJECT AREA ts Courses ecial education setting) nglish courses [overall and by ecial education setting]	Numeric Variable Values Number of hours Notes Calculated for students who left secondary school and have course level transcript data for all grades attended 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	Base 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				
	[_APL,_GPl,_SPl] ntsNbr_Math [_APL,_GPl,_SPl] ntsNbr_MaBas [_APL,_GPl,_SPl] ntsNbr_MaMid [_APL,_GPl,_SPl] ntsNbr_MaAdv [_APL,_GPl,_SPl] ntsNbr_Sci [_APL,_GPl,_SPl] ntsNbr_Soc [_APL,_GPl,_SPl] ntsNbr_Lang [_APL,_GPl,_SPl] ntsNbr_Lang [_APL,_GPl,_SPl] ntsNbr_AltMath [_APL,_GPl,_SPl] ntsNbr_AltMaB [_APL,_GPl,_SPl] ntsNbr_AltEn [_APL,_GPl,_SPl] ntsNbr_AltEn [_APL,_GPl,_SPl]	Number of m general or special and by general and by general number of action of section	nath courses [overall and by ecial education setting] asic-level math courses [overall all or special education setting] id-level math courses [overall all or special education setting] dvanced-level math courses by general or special education eience courses [overall and by ecial education setting] or special education setting] or special education setting] ourses in foreign language all and by general or special education setting] ling: math [overall and by ecial education setting] ling: basic-level math [overall all or special education setting] ling: English [overall and by ecial education setting] ling: English [overall and by ecial education setting] ling: pasic-level math [overall all or special education setting] ling: pasic-level math [overall and by ecial education setting]	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"_GPl" suffix, special by "_SPl," 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					
•	WITHIN OCCUP Occup	ATIONAL VOCA pational Vocat general or spe Number of ag	ecial education setting) gricultural related vocational rall and by general or special	Numeric Variable Values Number of hours Notes Calculated for students who left secondary school and have course level transcript data for all grades attended 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	Base 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 Type and Values Notes: Assignments, Modifications, and/or Validations Variable Name Sources Variable Description **Base: Which Students** Number of business related vocational ntsNbr Bus Subject areas are assigned using content areas from courses [overall and by general or special ntcSubjArea for each course. An alternate coding [_APL,_GPl,_SPl] with ntcSubjAreaAlt moves business math from education setting] occupational vocational business into academic basicntsNbr_Food Number of food service and hospitality [_APL,_GPl,_SPl] related vocational courses [overall and by level math and business English from occupational general or special education setting] vocational business into academic English Number of health related vocational courses ntsNbr Hlth Setting is by general or special education; general ed [overall and by general or special education [_APL,_GPl,_SPl] setting is indicated by the"_GPl" suffix, special by settingl "_SPl," and overall has no variable suffix. ntsNbr Mktg Number of marketing related vocational General or special setting is assigned by ntcLevel = 4 [_APL,_GPl,_SPl] courses [overall and by general or special (special education) or $\neq 4$ (setting other than special education setting] education) for each course ntsNbr HmEc Number of home economics related [APL, GPl, SPl] vocational courses [overall and by general or special education setting] ntsNbr_Tech Number of technology related vocational courses [overall and by general or special [APL, GPl, SPl] education setting] Number of trade and industry related ntsNbr Trd [APL, GPl, SPl] vocational courses [overall and by general or special education setting] Number of other/unspecified occupational ntsNbr_Unk [_APL,_GPl,_SPl] vocational courses [overall and by general or special education setting] ntsNbr_AltBus Alternate coding: business related vocational [_APL,_GPl,_SPl] [overall and by general or special education setting] ntsUnits (created) Total number of Carnegie unit **Numeric Variable Values** Base credits earned for courses All Students with course level transcript data for all Number of Carnegie unit credits while in secondary school grades attended Notes Excludes 12th grade courses if ntaComplete≠ 1 Calculated for students who left secondary school and [transcript is not complete through 12th grade] and have course level transcript data for all grades 13th grade courses if ntaLeft = 2 [had not left attended secondary school at time of final transcript data Sum of credits (ntcUnits) earned for all grades collection] attended in content type overall and by setting ntsUnits_APl Total number of Carnegie unit (created) **Numeric Variable Values** Base ntsUnits GPl credits earned for courses in Number of Carnegie unit credits Students who left secondary school and have course ntsUnits_SPl any setting (of those who have level transcript data for all grades attended for both Notes a value for general or special ntcUnits and ntcLevel Calculated for students who left secondary school and

have course level transcript data for all grades

Tr_LvStat = 1 or 2 and ntaComplete = 1 [left

setting), general or special

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		
	2020	education setting while in secondary school	attended Sum of credits (ntcUnits) earned for all grades attended in content type overall, overall limited to those with a value for setting, and by setting Use ntsUnits_APl as denominator for percentage of	secondary school and appears to have complete transcript data for grades attended]		
			units earned in general or special education setting Set ntsUnits_GPL to .s if ntsUnits_GPL is missing and nts/Units_SPL >= 0			
			Set ntsUnits_SPL to .s if ntsUnits_SPL is missing and nts/Units_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.			
ntsUnits_[content type] ntsUnits_[content	(created)	Total number of Carnegie unit credits youth earned for courses in each content type—	Numeric Variable Values Number of Carnegie unit credits Notes	Base Students who left secondary school and have course level transcript data for all grades attended		
type]_[setting]	type]_[setting] overall, overall limited to those with a value for setting, and by general or special education setting—while in	those with a value for setting, and by general or special		Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]		
CONTENT TYPE	AND SETTING	WITHIN CONTENT TYPE				
	Content Type Courses by general or special education setting) d Credits earned in academic courses [overall		Content types are academic, vocational or other content area			
[_API,_GPI,_SPI] ntsUnits_AnyV [_API,_GPI,_SPI]	and by gener Credits earne	al or special education setting] d in vocational courses [overall al 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			
ntsUnits_OthC [_APl,_GPl,_SPl]	[overall and l setting]	d in other types of courses by general or special education	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"_GPl" suffix, special by			
ntsUnits_AltAc	Alternate cod	ing: academic courses [overall	setting is indicated by the _GP1 suffix, special by			

	Course taking Summary across Grades Attended [File N2Trans_Summary]							
				Variable Type and Values				
	Variable Name	Sources	Variable Description	Notes: Assignments, Modifications, and/or Validations	Base: Which Students			
	[_APl,_GPl,_SPl]	and by genera	l or special education setting]	"_SPl," and overall has no variable suffix.				
	ntsUnits_AltV [_APl,_GPl,_SPl]	and by genera	ing: vocational courses [overall l or special education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special				
	ntsUnits_AltOthC [_APl,_GPl,_SPl]		ing: other types of courses y general or special education	education) for each course Set to .s [skipped] if ntsHad_[type] = 0 [did not have this type of course]				
				Set ntsUnits_[type]_GPl to .s if ntsHad_[type] > 0, ntsUnits_[type]_GPl is missing, and ntsUnits_[type]_SPl >= 0				
				Set ntsUnits_[type]_GPl to .s if ntsHad_[type] > 0, ntsUnits_[type]_SPl is missing, and ntsUnits_[type]_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.				
•	ntsUnits_[content area]	(created)	Total number of Carnegie unit credits youth earned for	Numeric Variable Values Number of Carnegie unit credits	Base Students who left secondary school and have course			
	ntsUnits_[content area]_[setting]		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	Notes Calculated for students who left secondary school and have course level transcript data for all grades attended Sum of all credits (ntcUnits) earned in content area overall, overall limited to those with a value for	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]			
			WITHIN CONTENT AREA	setting, and by setting				
	Content Area Courses (overall and by general or special education setting) Credits earned in academic courses (see ntsUnits_Acad under content types) ntsUnits_Arts [_API,_GPI,_SPI] courses [overall and by general or special education setting] ntsUnits_PE Credits earned in physical education courses			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				

	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_OccV [_APl,_GPl,_SPl] ntsUnits_WS [_APl,_GPl,_SPl] ntsUnits_PreV [_APl,_GPl,_SPl] ntsUnits_LS [_APl,_GPl,_SPl] ntsUnits_Sup [_APl,_GPl,_SPl] ntsUnits_Oth [_APl,_GPl,_SPl] ntsUnits_AltOV [_APl,_GPl,_SPl]	setting] Credits earner courses [over education setting] Credits earner education courspecial education courspecial education courspecial education courspecial education courspecial education courspecial education end by general and by general and by general credits earner [overall and besetting] Credits earner [overall and besetting] Alternate codints [overall and besetting] Alternate coding [overall and besetting]	d in work study/cooperative arses [overall and by general or tion setting] d in prevocational courses by general or special education d in life skills courses [overall all or special education setting] d in learning supports courses by general or special education d in other types of courses by general or special education d in other types of courses by general or special education ing: academic (see Ac under content types) ing: occupational vocational by general or special education ing: life skills courses [overall all or special education setting]	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 \(\neq 4 \) (setting other than special education) for each course Set to .s [skipped] if			
•	Ac	ademic Subject general or spec Credits earne	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 TING WITHIN SUBJECT AREA its Courses ecial education setting) d in English courses [overall all or special education setting]	Numeric Variable Values Number of Carnegie unit credits Notes Calculated for students who left secondary school and have course level transcript data for all grades attended Sum of all credits (ntcUnits) 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	Base 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 Type and Values Notes: Assignments, Modifications, Variable Name Variable Description and/or Validations **Base: Which Students** Credits earned in math courses [overall and ntsUnits Math other/unspecified by general or special education setting] [_APl,_GPl,_SPl] Subject areas are assigned using content areas from ntsUnits_MaBas Credits earned in basic-level math courses ntcSubjArea for each course. An alternate coding [_APl,_GPl,_SPl] [overall and by general or special education with ntcSubiAreaAlt moves business math from setting1 occupational vocational business into academic basic-Credits earned in mid-level math courses level math, life skills math from life skills content ntsUnits_MaMid [_APl,_GPl,_SPl] [overall and by general or special education area into basic-level math, and business English from setting] occupational vocational business into academic ntsUnits_MaAdv Credits earned in advanced-level math English [_APl,_GPl,_SPl] courses [overall and by general or special Setting is by general or special education; general ed education setting] setting is indicated by the" GPI" suffix, special by Credits earned in science courses [overall and ntsUnits Sci "_SPl," and overall has no variable suffix. [_API,_GPI,_SPI] by general or special education setting] General or special setting is assigned by ntcLevel = 4 Credits earned in social science courses ntsUnits Soc (special education) or $\neq 4$ (setting other than special [_APl,_GPl,_SPl] [overall and by general or special education education) for each course settingl Set to .s [skipped] if ntsUnits Lang Credits earned in foreign language courses ntsHad [subject] = 0 [did not have this subject of [_APl,_GPl,_SPl] [overall and by general or special education coursel Set ntsUnits_[subject]_GPl to .s if ntsUnits_AltMath Alternate coding: math [overall and by ntsHad_[subject] > 0, ntsUnits_[subject]_GPl is [_APl,_GPl,_SPl] general or special education setting] missing, and ntsUnits [subject] SPl >= 0 ntsUnits AltMaB Alternate coding: basic-level math [overall Set ntsUnits_[subject]_GPl to .s if [_APl,_GPl,_SPl] and by general or special education setting] ntsHad_[subject] > 0, ntsUnits_[subject]_SPl is ntsUnits AltEn Alternate coding: English [overall and by missing, and ntsUnits_[subject]_GPl >= 0 general or special education setting] [_APl,_GPl,_SPl] Zero filled summarizations of units were not created Credits earned in other/unspecified courses ntsUnits_UnkAc for calculating means but items are tagged with a [overall and by general or special education [_APl,_GPl,_SPl] missing value of ".s" (skipped). A value of "0" means setting] 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 (created) Total number of Carnegie unit **Numeric Variable Values** Base subject area] credits youth earned for Number of Carnegie unit credits Students who left secondary school and have course ntsUnits [vocational courses in each vocational level transcript data for all grades attended Notes subject area]_[setting] subject area—overall, 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		
		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 Sum of all credits (ntcUnits) earned in occupational	Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]		
WITHIN OCCUP	PATIONAL VOCA	BJECT AREA AND SETTING ATIONAL SUBJECT AREA	vocational subject area overall, overall limited to those with a value for setting, and by setting			
Occuj	pational Vocator general or special education set Credits earne education set Credits earne related vocation set Credits earne courses [over education set Credits earne courses [over education set Credits earne courses [over education set Credits earne vocational cospecial educational educationa	ional Courses ecial education setting) d in agricultural related urses [overall and by general or tion setting] d in business related vocational rall and by general or special ting] d in food service and hospitality tonal courses [overall and by ecial education setting] d in health related vocational rall and by general or special ting] d in marketing related urses [overall and by general or tion setting] d in home economics related urses [overall and by general or	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"_GPl" suffix, special by "_SPl," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or \(\neq 4 \) (setting other than special education) for each course Set to .s [skipped] if ntsHad_[subject] = 0 [did not have this subject of course] Set ntsUnits_[subject]_GPl to .s if			
[_APl,_GPl,_SPl] ntsUnits_Trd [_APl,_GPl,_SPl] ntsUnits_Unk	vocational co special educa Credits earne vocational co special educa Credits earne	urses [overall and by general or tion setting] d in trade and industry related urses [overall and by general or	ntsHad_[subject] = 0, ntsUnits_[subject] = 0 Set ntsUnits_[subject] = 0 Set ntsUnits_[subject] = GPl to .s if ntsHad_[subject] > 0, ntsUnits_[subject] = SPl is missing, and ntsUnits_[subject] = 0 Zero filled summarizations of units were not created			
[_API,_GPI,_SPI] ntsUnits_AltBus [_API,_GPI,_SPI]	by general or Alternate cod	special education setting] ling: business related vocational by general or special education	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			

			Course ta	aking 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.	
•	ntsPctUnits_GPl ntsPctUnits_SPl	(created)	Percentage of Carnegie unit credits youth earned for courses in general or special education setting while in secondary school	Numeric Variable Values Overall percentage of Carnegie unit credits earned in these grades Notes Calculated as sum of all credits earned in	Base 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
	ntsPctUnits_GPl ntsPctUnits_SPl	Percentage of units earned in general setting		[general/special] setting divided by sum of all credits with a value for setting earned in these grades (ntsUnits_[GPL/SPL]) / ntsUnits_APl) X 100	transcript data for grades attended]
				General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course	
				Set ntsPctUnits_GPL to .s if ntsUnit_GPL is missing and ntsUnit_SPL >= 0	
				Set ntsPctUnits_SPL to .s if ntsUnit_SPL is missing and ntsUnit_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_[content type] ntsPctUnit_[content type]_[setting]	(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	Numeric Variable Values Percentage of Carnegie unit credits earned in these grades Notes Calculated for students who left secondary school and have course level transcript data for all grades	Base 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]
		AND SETTING Content Type	WITHIN CONTENT TYPE	attended	9
	(overall and by	general or sp	ecial education setting) f credits earned in academic	Sum of credits earned in content type overall divided by sum of all credits earned (ntsUnits_[type] /	

Course taking Summary across Grades Attended [File N2Trans Summary] Variable Type and Values Notes: Assignments, Modifications, and/or Validations Variable Name Sources Variable Description **Base: Which Students** [_GPl,_SPl] courses [overall and by general or special ntsUnits API) X 100 education setting] Sum of credits earned in content type in each setting Percentage of credits earned in vocational ntsPctUnit AnyV (general or special education) divided by sum of all courses [overall and by general or special [_GPl,_SPl] credits earned with a value for setting education setting] (ntsUnits_[type]_[GPL/SPL] / ntsUnits_APl) X 100 ntsPctUnit OthC Percentage of credits earned in other types of Content types are academic, vocational or other courses [overall and by general or special [GPI, SPI] content area education setting] Content types are assigned using course types from Alternate coding: academic courses [overall ntsPctUnit_AltAc ntcType for each course. An alternate coding [_GPl,_SPl] and by general or special education setting] ntcTypeAlt moves business math and business ntsPctUnit AltV Alternate coding: vocational courses [overall English out of vocational and life skills math out of and by general or special education setting] [_GPl,_SPl] other types of courses into academic ntsPctUnit AltOthC Alternate coding: other types of courses Setting is by general or special education; general ed [_GPl,_SPl] [overall and by general or special education setting is indicated by the" GPI" suffix, special by setting] " SPI," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4 (special education) or $\neq 4$ (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]_GPl to .s if ntsHad [type] > 0. ntsPctUnit [type] GPl is missing, and ntsPctUnit_[type]_SPl >= 0 Set ntsPctUnit_[type]_GPl to .s if ntsHad_[type] > 0, ntsPctUnit_[type]_SPl is missing, and ntsPctUnit [type] $GPl \ge 0$ 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 Percentage of Carnegie unit **Numeric Variable Values** (created) Base type] W [setting] credits earned in general or Percentage of Carnegie unit credits earned in this Students who left secondary school and have course

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			
		within each content typewhile in secondary school	setting Notes	level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left			
		WITHIN CONTENT TYPE	Calculated for students who left secondary school and	secondary school and appears to have complete transcript data for grades attended]			
	Content Type general or sp	Courses ecial education setting)	have course level transcript data for all grades attended	transcript data for grades attended			
ntsPctUnit_Acad_W_ [GPl/SPl] ntsPctUnit_AnyV_W_ [GPl/SPl] ntsPctUnit_OthC_W_ [GPl/SPl] ntsPctUnit_AltAc_W_ [GPl/SPl] ntsPctUnit_AltV_W_	Of those in accredits earned Of those in vecredits earned Of those in or of credits earnesetting Alternate code and by general Alternate code	cademic courses, percentage of d in general and special setting cocational courses, percentage of d in general and special setting cher types of courses, percentage and in general and special setting cher types of courses, percentage and in general and special setting: academic courses [overall al or special setting] ing: vocational courses [overall	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]_APl) X 100 Content types are academic, vocational or other content area Content types are assigned using course types from ntcType for each course. An alternate coding ntcTypeAlt moves business math and business				
[GPI/SPI] ntsPctUnit_AltOthC_ W_ [GPI/SPI]	Alternate cod	al or special setting] ing: other types of courses by general or special setting]	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"				
			General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course				
			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 ta	aking 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)	
•	ntsPctUnit_[content area] ntsPctUnit_[content area]_[setting]	(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	Numeric Variable Values Percentage of Carnegie unit credits earned in these grades Notes Calculated for students who left secondary school and have course level transcript data for all grades	Base 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]
			WITHIN CONTENT AREA	attended	[
		Percentage of	ecial education setting) f credits earned in academic	Sum of credits earned in content area overall divided by sum of all credits earned (ntsUnits_[area] / ntsUnits_APl) X 100	
	ntsPctUnit_Arts [_GPl,_SPl]	Pl] performing arts courses [overall and by		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_APl) X 100	
	ntsPctUnit_PE	Percentage of education con special educa		Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills,	
	ntsPctUnit_OccV [_GPl,_SPl]		f credits earned in occupational urses [overall and by general or tion setting]	learning supports, or other content area. Content areas are assigned using content areas from ntcContent for each course. An alternate coding with	
	ntsPctUnit_WS [_GPl,_SPl]	Percentage of study/cooper	f credits earned in work ative education courses [overall al or special education setting]	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_PreV [_GPl,_SPl]		f credits earned in prevocational rall and by general or special ting]	Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl," and overall has no variable suffix.	
	ntsPctUnit_LS [_GPl,_SPl]	courses [over education set		General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course	
	ntsPctUnit_Sup [_GPl,_SPl]	supports cour special educa		Set to .s [skipped] if ntsHad_[area] = 0 [did not have this type of course]	
	ntsPctUnit_Oth [_GPl,_SPl]		f credits earned in other types of all and by general or special ting]	Set ntsPctUnit_[area]_GPl to .s if ntsHad_[area] > 0, ntsPctUnit_[area]_GPl is	

	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 [_GPl,_SPl] ntsPctUnit_AltLS [_GPl,_SPl]	ntsPctUnit_A Alternate cod [overall and b setting] Alternate cod	ing: academic (see ltAc under content types) ing: occupational vocational by general or special education ing: life skills courses [overall al or special education setting]	missing, and ntsPctUnit_[area]_SPl >= 0 Set ntsPctUnit_[area]_GPl to .s if ntsHad_[area] > 0, ntsPctUnit_[area]_SPl is missing, and ntsPctUnit_[area]_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_[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	Numeric Variable Values Percentage of Carnegie unit credits earned in this setting Notes Calculated for students who left secondary school and	Base 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		
	CONTENT AREA	AND SETTING	WITHIN CONTENT AREA	have course level transcript data for all grades attended	transcript data for grades attended]		
	Content Area Courses (overall and by general or special education setting) Of those in academic courses, percentage of credits earned in general and special setting ntsPctUnit_Art_W_ Of those in fine or performing arts courses,			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]_APl) X 100			
	[GPI/SPI] ntsPctUnit_PE_W_ [GPI/SPI]	percentage of credits earned in general and special setting Of those in physical education courses, percentage of credits earned in general and special setting Percentage of credits earned in occupational vocational courses [overall and by general or special setting] Of those in work study/cooperative education		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] ntsPctUnit_WS_W_			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			
	[GPI/SPI] ntsPctUnit_PreV_W_ [GPI/SPI]	courses, perce general and s Of those in pr	entage of credits earned in	Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl". 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_ [GPl/SPl] ntsPctUnit_Sup_W_ [GPl/SPl] ntsPctUnit_Oth_W_ [GPl/SPl] ntsPctUnit_AltOV_W _ [GPl/SPl] ntsPctUnit_AltLS_W_ [GPl/SPl]	setting Unit_LS_W_ Of those in life skills courses, percentage of credits earned in general and special setting nit_Sup_W_ Of those in learning supports courses, percentage of credits earned in general and special setting nit_Oth_W_ Of those in other types of courses, percentage of credits earned in general and special setting of credits earned in general and special setting Alternate coding: academic (see ntsPctUnit_AltAc under content types) t_AltOV_W Alternate coding: occupational vocational [GPl/SPl] [overall and by general or special setting] **AltLS_W_ Alternate coding: life skills courses [overall]		(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 nts/PctUnit_[area]_W_SPL >= 0 Set ntsPctUnit_[area]_W_SPL to .s if ntsPctUnit_[area]_W_SPL is missing and nts/PctUnit_[area]_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_[area] _w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntsPctUnit_[area] for items overall (not by 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	Numeric Variable Values Percentage of Carnegie unit credits earned in these grades Notes Calculated for students who left secondary school and have course level transcript data for all grades attended	Base 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]			
		Area and Set ademic Subjec	TING WITHIN SUBJECT AREA	Sum of credits earned in subject area overall divided by sum of all credits earned (ntsUnits_[subject] /				
	(overall and by	general or spe	ecial education setting)	ntsUnits_APl) X 100				
	ntsPctUnit_Eng [_GPl,_SPl] ntsPctUnit_Math [_GPl,_SPl]	courses [overall and by general or special education setting] Percentage of credits earned in math courses		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_APl) X 100				
	ntsPctUnit_MaBas	Percentage of	f credits earned in basic-level [overall and by general or	Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level				

	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				
[_GPl,_SPl] ntsPctUnit_MaMid [_GPl,_SPl] ntsPctUnit_MaAdv [_GPl,_SPl] ntsPctUnit_Sci [_GPl,_SPl] ntsPctUnit_Soc [_GPl,_SPl] ntsPctUnit_Lang [_GPl,_SPl] ntsPctUnit_AltMath [_GPl,_SPl] ntsPctUnit_AltMaB [_GPl,_SPl] ntsPctUnit_AltEn [_GPl,_SPl] ntsPctUnit_Unit_AltEn [_GPl,_SPl]	special educa Percentage of math courses special educa Percentage of level math co special educa Percentage of courses [over education set Percentage of courses [over education set Percentage of language cou special educa Alternate cod general or spe Alternate cod general or spe Percentage of other/unspeci	tion setting] Foredits earned in mid-level [overall and by general or tion setting] Foredits earned in advanced- urses [overall and by general or tion setting] Foredits earned in science all and by general or special ting] Foredits earned in social science all and by general or special ting] Foredits earned in foreign treedits earned in foreign trees [overall and by general or	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"_GPl" suffix, special by "_SPl," 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_[subject] = 0 [did not have this type of course] Set ntsPctUnit_[subject]_GPl to .s if ntsHad_[subject] > 0, ntsPctUnit_[subject]_GPl is missing, and ntsPctUnit_[subject]_SPl >= 0 Set ntsPctUnit_[subject] > 0, ntsPctUnit_[subject]_SPl is missing, and ntsPctUnit_[subject]_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 take this type of course.					
ntsPctUnit_[academic subject area]_W_[setting]	(created)	Percentage of Carnegie unit credits earned in general or special education setting within each academic subject	Numeric Variable Values Percentage of Carnegie unit credits earned in this setting	Base Students who left secondary school and have course level transcript data for all grades attended				

Course taking Summary across Grades Attended [File N2Trans_Summary]

[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	Notes	Tr_LvStat = 1 or 2 and ntaComplete = 1 [left			
ACADEMIC SUBJECT	AREA AND SET	TING WITHIN SUBJECT AREA	Calculated for students who left secondary school and	secondary school and appears to have complete			
	ademic Subjec		have course level transcript data for all grades attended	transcript data for grades attended]			
		ecial education setting)	Sum of credits earned in each setting (general or				
ntsPctUnit_Eng_W_ [GPl/SPl]		nglish courses, percentage of lin general and special setting	special education) within subject area divided by sum				
ntsPctUnit_Math_W_		ath courses, percentage of	of credits earned with a value for setting within				
[GPI/SPI]		l in general and special setting	subject area (ntsUnits_[subject]_[GPL/SPL] /				
ntsPctUnit_MaBas_W	Of those in ba	asic-level math courses,	ntsUnits_[subject]_APl) X 100				
_[GPl/SPl]		credits earned in general and	Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level				
Dall's Man'l W	special setting		math—science, social science, foreign language, or				
ntsPctUnit_MaMid_W _ [GPl/SPl]		id-level math courses, credits earned in general and	other/unspecified				
_[01#811]	special setting		Subject areas are assigned using content areas from				
ntsPctUnit_MaAdv_		lvanced-level math courses,	ntcSubjArea for each course. An alternate coding				
W_[GPl/SPl]		credits earned in general and	with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-				
ntsPctUnit_Sci_W_	of those in so	dience courses, percentage of	level math, life skills math from life skills content area into basic-level math, and business English from occupational vocational business into academic				
[GPI/SPI]		l in general and special setting					
ntsPctUnit_Soc_W_		ocial science courses, percentage					
[GPl/SPl]		ned in general and special	English				
ntsPctUnit_Lang_W_	setting	reign language courses,	Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by				
[GPI/SPI]		credits earned in general and	"_SPI"				
[special setting		General or special setting is assigned by ntcLevel = 4				
ntsPctUnit_AltMath_		ing: math [overall and by	(special education) or $\neq 4$ (setting other than special				
W_[GPl/SPl]		ecial education setting]	education) for each course				
ntsPctUnit_AltMaB_ W_ [GPl/SPl]		ing: basic-level math [overall or special education setting]	Set ntsPctUnit_[subject]_W_GPL to .s if				
ntsPctUnit_AltEn_W_		ing: English [overall and by	ntsPctUnit_[subject]_W_GPL is missing and nts/PctUnit_[subject]_W_SPL >= 0				
[GPI/SPI]		ecial education setting]	Set ntsPctUnit_[subject]_W_SPL to .s if				
		22	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,				

		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			
				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_[vocationa l subject area] ntsPctUnit_[vocationa	(created)	Percentage of Carnegie unit credits youth earned for courses in each vocational	Numeric Variable Values Percentage of Carnegie unit credits earned in these grades	Base Students who left secondary school and have course level transcript data for all grades attended			
	l subject area]_[setting]		subject area—overall and by general or special education setting—while in secondary school	Notes 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]			
	WITHIN OCCUP. Occup	ATIONAL VOCA		Sum of credits earned in subject area overall divided by sum of all credits earned (ntsUnits_[subject] / ntsUnits_APl) X 100				
	ntsPctUnit_Agr [_GPl,_SPl]	(overall and by general or special education setting) ntsPctUnit_Agr Percentage of credits earned in agricultural [_GPl,_SPl] related vocational courses [overall and by general or special education setting]		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_APl) X				
	ntsPctUnit_Bus [_GPl,_SPl]	related vocati general or spe	credits earned in business onal courses [overall and by ecial education setting]	Occupational vocational subject areas are agricultural, business, food service and hospitality, health,				
	ntsPctUnit_Food [_GPl,_SPl]	and hospitalit	credits earned in food service y related vocational courses by general or special education	marketing, home economics, technology, trade and industry, and other/unknown Subject areas are assigned using content areas from				
	ntsPctUnit_Hlth [_GPl,_SPl]	Percentage of	credits earned in health related urses [overall and by general or tion setting]	ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-				
	ntsPctUnit_Mktg [_GPl,_SPl]	related vocati	credits earned in marketing onal courses [overall and by ecial education setting]	level math and business English from occupational vocational business into academic English Setting is by general or special education; general ed				
	ntsPctUnit_HmEc [_GPl,_SPl]	economics re	Credits earned in home lated vocational courses [overall al or special education setting]	setting is indicated by the "_GP1" suffix, special by "_SP1," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4				
	ntsPctUnit_Tech [_GPl,_SPl]	Percentage of	credits earned in technology onal courses [overall and by	(special education) or $\neq 4$ (setting other than special				

	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	Percentage of industryrelate and by genera Percentage of other/unspeci courses [over education sett Alternate cod	cial education setting] credits earned in trade and d vocational courses [overall all or special education setting] credits earned in fied occupational vocational all and by general or special ing] ing: business related vocational by general or special education	education) for each course Set to .s [skipped] if ntsHad_[subject] = 0 [did not have this type of course] Set ntsPctUnit_[subject]_GPl to .s if ntsHad_[subject] > 0, ntsPctUnit_[subject]_GPl is missing, and ntsPctUnit_[subject]_SPl >= 0 Set ntsPctUnit_[subject] = OPl to .s if ntsHad_[subject] > 0, ntsPctUnit_[subject]_SPl is missing, and ntsPctUnit_[subject]_SPl is missing, and ntsPctUnit_[subject]_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 take this type of course.			
•	ntsPctUnit_[occupatio nal 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	Numeric Variable Values Percentage of Carnegie unit credits earned in this setting Notes Calculated for students who left secondary school and have course level transcript data for all grades	Base 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]		
	OCCUPATIONAL VOCATIONAL SUBJECT AREA AND SETTING WITHIN OCCUPATIONAL VOCATIONAL SUBJECT AREA Occupational Vocational Courses (overall and by general or special education setting)			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			
	ntsPctUnit_Agr_W_ [GPl/SPl]	Of those in agricultural related vocational courses, percentage of credits earned in general and special setting		subject area (ntsUnits_[subject]_[GPL/SPL] / ntsUnits_[subject]_APl) X 100			
	ntsPctUnit_Bus_W_ Of those in business related vocational courses, percentage of credits earned in general and special setting ntsPctUnit_Food_W Of those in food service and hospitality		Occupational vocational subject areas are agricultural, business, food service and hospitality, health, marketing, home economics, technology, trade and industry, and other/unknown				
		Of those in for	od service and hospitality	marketing, home economics, technology, trade and			

	Course taking Summary across Grades Attended [File N2Trans_Summary]						
				Variable Type and Values			
	Variable Name	Sources	Variable Description	Notes: Assignments, Modifications, and/or Validations	Base: Which Students		
	ntsPctUnit_Hlth_W_ [GPI/SPI] ntsPctUnit_Mktg_W_	percentage of special setting Of those in m	arketing related vocational	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			
	[GPI/SPI] ntsPctUnit_HmEc_W _ [GPI/SPI]	[GPI/SPI] 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_ Of those in technology related vocational courses, percentage of credits earned in general and special setting ntsPctUnit_Trd_W_ Of those in trade and industry courses, percentage of credits earned in general and special setting 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_ Of those in other/unspecified occupational vocational courses courses, percentage of credits earned in general and special setting		area into basic-level math, and business English from occupational vocational business into academic English Setting is by general or special education; general ed			
	[GPI/SPI]			setting is indicated by the "_GPI" suffix, special by "_SPI". General or special setting is assigned by ntcLevel = 4 (special education) or \neq 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			
	[GPI/SPI]			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)			
•	ntsHrs	(created)	Total number of course hours while in secondary school	Numeric Variable Values Number of hours	Base Students who left secondary school and have course level transcript data for all grades attended		
				Notes 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]		

		Course ta	aking Summary across Grades Attended [File N2Trans_Summary]	
Variable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations Sum of ntcHrs (hours) for all grades attended	Base: Which Students
• ntsHrs_API ntsHrs_GPI ntsHrs_SPI	(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	Numeric Variable Values Number of hours Notes 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_APl as denominator for percentage of time in general or special education setting	Base Students who left secondary school and have course level transcript data for all grades attended for both ntcHrs and ntcLevel Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
• ntsHrs_GPl_ZF ntsHrs_SPl_ZF	(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	Numeric Variable Values Number of hours Notes Calculated for students who left secondary school and have course level transcript data for all grades attended ntsHrs_[setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing Set ntsHrs_GPl_ZF to 0 if ntsHrs_GPl is missing and ntsHrs_SPl >= 0 Set ntsHrs_GPl_ZF to 0 if ntsHrs_SPl is missing and ntsHrs_GPl >= 0	Base Students who left secondary school and have course level transcript data for all grades attended for both ntcHrs and ntcLevel Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
(overall and	Content Type by general or sp d Hours in aca general or sp V Hours in voc	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 WITHIN CONTENT TYPE Courses secial education setting) demic courses [overall and by secial education setting] sational courses [overall and by secial education setting]	Numeric Variable Values Number of hours Notes Calculated for students who left secondary school and have course level transcript data for all grades attended Sum of ntcHrs (hours) 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	Base 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		
•	ntsHrs_OthC [_APl,_GPl,_SPl] ntsHrs_AltAc [_APl,_GPl,_SPl] ntsHrs_AltV [_APl,_GPl,_SPl] ntsHrs_AltOthC [_APl,_GPl,_SPl] ntsHrs_[content type]_ZF ntsHrs_[content type]_[setting]_ZF	by general or Alternate cod general or spe Alternate cod general or spe Alternate cod	r types of courses [overall and special education setting] ing: academics [overall and by ecial education setting] ing: vocational [overall and by ecial education setting] ing: other types of courses by general or special education 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	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] Numeric Variable Values Number of hours Notes Calculated for students who left secondary school and have course level transcript data for all grades	Base 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		
		Content Type general or spe Hours in acac general or spe Hours in voca general or spe Hours in othe by general or Alternate cod general or spe Alternate cod general or spe Alternate cod	means WITHIN CONTENT TYPE	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]_GPl_ZF to 0 if ntsHad_[content type] > 0, ntsHrs_[content type]_GPl is missing, and ntsHrs_[content type]_SPl >= 0 Set ntsHrs_[content type]_GPl_ZF to 0 if ntsHad_[content type] > 0, ntsHrs_[content type]_SPl is missing, and ntsHrs_[content type]_SPl is missing, and ntsHrs_[content type]_GPl >= 0	transcript data for grades attended]		
•	ntsHrs_[content area] ntsHrs_[content area]_[setting]	(created)	Total number of course hours youth attended in content areas—overall, overall limited	Numeric Variable Values Number of hours	Base 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			
	setting, and by general or special education setting—while in secondary school CONTENT AREA AND SETTING WITHIN CONTENT AREA Content Area Courses (overall and by general or special education setting) Hours in academic courses (see ntsHrs_Acad under content types) ntsHrs_Arts [_APl,_GPl,_SPl] [overall and by general or special education setting]		Notes Calculated for students who left secondary school and have course level transcript data for all grades attended Sum of ntcHrs (hours) in content area overall, overall limited to those with a value for setting, and by	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]				
			demic courses (see ntsHrs_Acad types) or performing arts courses by general or special education sical education courses [overall	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				
	ntsHrs_OccV [_APl,_GPl,_SPl] ntsHrs_WS [_APl,_GPl,_SPl]	[_APl,_GPl,_SPl] [overall and by general or special education setting] ntsHrs_WS Hours in work study/cooperative education		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 "_GPl" suffix, special by "_SPl," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4				
	ntsHrs_PreV [_API,_GPI,_SPI] ntsHrs_LS [_API,_GPI,_SPI] ntsHrs_Sup [_API,_GPI,_SPI]	by general or Hours in life general or spe Hours in lear and by general	special education setting] skills courses [overall and by ecial education setting] ning supports courses [overall and by ecial education setting]	<pre>(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]</pre>				
	ntsHrs_Oth [_APl,_GPl,_SPl] Hours in other courses [overall and by general or special education setting] Alternate coding: academic (see Hrs_AltAc under content types) ntsHrs_AltOV [_APl,_GPl,_SPl] [overall and by general or special education setting]		ecial education setting] ing: academic (see Hrs_AltAc t types) ing: occupational vocational by general or special education					
•	ntsHrs_AltLS [_APl,_GPl,_SPl] ntsHrs_[content area]_ZF ntsHrs_[content area]_[setting]_ZF		ing: life skills courses [overall all or special education setting] Total number of course hours youth attended in content areas—overall and by general or special education setting—	Numeric Variable Values Number of hours Notes	Base 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 while in secondary school;	Variable Type and Values Notes: Assignments, Modifications, and/or Validations Calculated for students who left secondary school and	Base: Which Students Tr_LvStat = 1 or 2 and ntaComplete = 1 [left			
			zero filled for calculating means	have course level transcript data for all grades attended	secondary school and appears to have complete transcript data for grades attended]			
			WITHIN CONTENT AREA	ntsHrs_[content area][_setting] zero filled for				
		Content Area		calculating means; zero filled values are included in denominator rather than excluded as missing				
		Hours in acad under conten		Set ntsHrs_[content area]_ZF and ntsHrs_[content area]_[setting]_ZF to 0 if				
	ntsHrs_Arts [_GPl,_SPl]_ZF	[overall and l setting]	or performing arts courses by general or special education	ntsUnits > 0 and ntsHad_[content area] = 0 (reported units but did not have this type of course) Set ntsHrs_[content area]_GPl_ZF to 0 if				
	ntsHrs_PE [_GPl,_SPl]_ZF	and by genera	sical education courses [overall al or special education setting]	ntsHad_[Content area] > 0, ntsHrs_[content area]_GPl is missing, and ntsHrs_[content				
	ntsHrs_OccV [_GPl,_SPl]_ZF	ntsHrs_OccV Hours in occupational vocational courses		area]_SPl >= 0 Set ntsHrs_[content area]_GPl_ZF to 0 if ntsHad_[Content area] > 0, ntsHrs_[content				
				area]_SPl is missing, and ntsHrs_[content area]_GPl >= 0				
	ntsHrs_PreV [_GPl,_SPl]_ZF		vocational courses [overall and respective special education setting]					
	ntsHrs_LS [_GPl,_SPl]_ZF		skills courses [overall and by ecial education setting]					
	ntsHrs_Sup [_GPl,_SPl]_ZF	and by genera	ning supports courses [overall al or special education setting]					
	ntsHrs_Oth [_GPl,_SPl]_ZF		er courses [overall and by ecial education setting]					
	Alternate coding: academic (see Hrs_AltAc under content types)		t types)					
	ntsHrs_AltOV Alternate coding: occupational vocational [_GPl,_SPl]_ZF [overall and by general or special education setting]							
L	ntsHrs_AltLS Alternate coding: life skills courses [overall [_GPl,_SPl]_ZF and by general or special education setting]							
•	ntsHrs_[academic subject area]	(created)	Total number of course hours youth attended in academic	Numeric Variable Values Number of hours	Base Students who left secondary school and have course			
	ntsHrs_[academic subject area]_[setting]		subject areas—overall, overall limited to those with a value for setting, and by general or	Notes Calculated for students who left secondary school and	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]			
	ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA Academic Subjects Courses (overall and by general or special education setting)			Sum of ntcHrs (hours) in academic subject area overall, overall limited to those with a value for setting, and by setting				
	ntsHrs_Eng Hours in English courses [overall and by [_APl,_GPl,_SPl] general or special education setting] ntsHrs_Math Hours in math courses [overall and by [_APl,_GPl,_SPl] 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_MaBas [_APl,_GPl,_SPl] ntsHrs_MaMid	Hours in basi and by gener	c-level math courses [overall all or special education setting] -level math courses [overall and	Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from				
	[_APl,_GPl,_SPl] ntsHrs_MaAdv [_APl,_GPl,_SPl]	by general or Hours in adv [overall and l	special education setting] anced-level math courses by general or special education	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				
	ntsHrs_Sci [_APl,_GPl,_SPl] ntsHrs_Soc	general or sp	nce courses [overall and by ecial education setting] al science courses [overall and	English Setting is by general or special education; general ed setting is indicated by the"_GPI" suffix, special by				
	[_APl,_GPl,_SPl] ntsHrs_Lang [_APl,_GPl,_SPl]	by general or Hours in cou	special education setting] rses in foreign language courses by general or special education	"_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				
	ntsHrs_AltMath [_APl,_GPl,_SPl]	Alternate coo	ling: math [overall and by ecial education setting]	Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this type of course]				
	ntsHrs_AltMaB [_APl,_GPl,_SPl] ntsHrs_AltEn	Alternate coding: basic-level math [overall and by general or special education setting] Alternate coding: English [overall and by						
	[_APl,_GPl,_SPl] ntsHrs_UnkAc [_APl,_GPl,_SPl]	general or sp Hours in cou	rses in other/unspecified courses by general or special education					
•	ntsHrs_[academic subject area]_ZF ntsHrs_[academic subject area]_[setting]_ZF	(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	Numeric Variable Values Number of hours Notes Calculated for students who left secondary school and have course level transcript data for all grades attended	Base 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			
	Academic Subjects Courses		ntsHrs_[academic subject area][_setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing					
	ntsHrs_Eng [_GPl,_SPl]_ZF ntsHrs_Math [_GPl,_SPl]_ZF ntsHrs_MaBas [_GPl,_SPl]_ZF ntsHrs_MaMid [_GPl,_SPl]_ZF ntsHrs_MaAdv [_GPl,_SPl]_ZF	general or spo Hours in mat general or spo Hours in basi and by general Hours in mid by general or Hours in adva [overall and b]	lish courses [overall and by ecial education setting] h courses [overall and by ecial education setting] c-level math courses [overall all or special education setting] -level math courses [overall and special education setting] anced-level math courses by general or special education	Set ntsHrs_[academic subject area]_ZF and ntsHrs_[academic subject area]_[setting]_ZF to 0 if ntsUnits > 0 and ntsHad_[academic subject area] = 0 (reported units but did not have this type of course) Set ntsHrs_[academic subject area]_GPl_ZF to 0 if ntsHad_[academic subject area]>0, ntsHrs_[academic subject area]_GPl is missing, and ntsHrs_[academic subject area]_SPl > 0 Set ntsHrs_[academic subject area]_GPl_ZF to 0 if ntsHad_[academic subject area], ntsHrs_[academic subject area]				
	ntsHrs_Sci [_GPl,_SPl]_ZF ntsHrs_Soc [_GPl,_SPl]_ZF ntsHrs_Lang [_GPl,_SPl]_ZF	general or spe Hours in soci by general or Hours in cour	nce courses [overall and by ecial education setting] al science courses [overall and special education setting] rses in foreign language courses by general or special education	subject area]_SPl is missing, and ntsHrs_[academic subject area]_GPl > 0				
	ntsHrs_AltMath [_GPl,_SPl]_ZF ntsHrs_AltMaB [_GPl,_SPl]_ZF ntsHrs_AltEn [_GPl,_SPl]_ZF	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]						
	ntsHrs_UnkAc [_GPl,_SPl]_ZF	[overall and l setting]	rses in other/unspecified courses by general or special education					
•	ntsHrs_[vocational subject area] ntsHrs_[vocational subject area]_[setting]	(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	Numeric Variable Values Number of hours Notes Calculated for students who left secondary school and have course level transcript data for all grades attended Sum of ntcHrs (hours) in occupational vocational subject area overall, overall limited to those with a	Base 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			
Occ (overall and	upational Voca by general or sp r Hours in agr courses [ove education se s Hours in bus] [overall and setting] d Hours in foo] vocational courses [ove education se r Hours in hea] [overall and setting] g Hours in man] courses [ove education se r Hours in hor] courses [ove education se r Hours in tecl] courses [ove education se r Hours in tra] vocational courses [ove education se r Hours in tra] vocational courses [ove education se r Hours in tra] vocational courses [ove education se r Hours in tra] vocational courses [ove education se r Hours in tra] vocational courses [ove education se r Hours in tra] vocational courses [ove education se r Hours in tra] vocational courses [ove education se r Hours in tra] vocational course [ove education se r Hours	decial education setting) icultural related vocational rall and by general or special ring] iness related vocational courses by general or special education d service and hospitality related burses [overall and by general or ation setting] Ith related vocational courses by general or special education eketing related vocational rall and by general or special ring] ne economics related vocational rall and by general or special riting] nology related vocational rall and by general or special riting] de and industry related burses [overall and by general or ation setting] er/unspecified occupational burses [overall and by general or ation setting] er/unspecified occupational burses [overall and by general or	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 \(\neq 4 \) (setting other than special education) for each course Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this type of course]				
ntsHrs_[vocational subject area]_ZF ntsHrs_[vocational subject area]_[setting]_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	Numeric Variable Values Number of hours Notes Calculated for students who left secondary school and have course level transcript data for all grades attended ntsHrs_[occupational vocational subject	Base 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 Type and Values			
	Variable Name	Sources	Variable Description	Notes: Assignments, Modifications, and/or Validations	Base: Which Students		
			BJECT AREA AND SETTING ATIONAL SUBJECT AREA	area][_setting] zero filled for calculating means; zero filled values are included in denominator rather than			
		oational Vocat		excluded as missing			
			ecial education setting)	Set ntsHrs_[vocational subject area]_ZF and			
	ntsHrs_Agr [_GPl,_SPl]_ZF		cultural related vocational all and by general or special ting]	ntsHrs_[vocational subject area]_[setting]_ZF to 0 if ntsUnits > 0 and ntsHad_[vocational subject area] = 0 (reported units but did not have this type of			
	ntsHrs_Bus [_GPl,_SPl]_ZF	[overall and be setting]	ness related vocational courses by general or special education	course) Set ntsHrs_[vocational subject area]_GPl_ZF to 0 if ntsHad_[vocational subject area] > 0,			
	ntsHrs_Food [_GPl,_SPl]_ZF	vocational co special educa		ntsHrs_[vocational subject area]_GPl is missing, and ntsHrs_[vocational subject area]_SPl >= 0 Set ntsHrs_[vocational subject area]_GPl_ZF to 0 if			
	ntsHrs_Hlth Hours in health related vocational courses [_GPl,_SPl]_ZF [overall and by general or special education setting]			ntsHad_[vocational subject area] > 0, ntsHrs_[vocational subject area]_SPl is missing, and ntsHrs_[vocational subject area]_GPl >= 0			
	ntsHrs_Mktg [_GPl,_SPl]_ZF	ntsHrs_Mktg Hours in marketing related vocational					
	ntsHrs_HmEc [_GPl,_SPl]_ZF		e economics related vocational all and by general or special ting]				
	ntsHrs_Tech [_GPl,_SPl]_ZF		nology related vocational all and by general or special ting]				
	ntsHrs_Trd [_GPl,_SPl]_ZF		le and industry related urses [overall and by general or tion setting]				
	ntsHrs_Unk [_GPl,_SPl]_ZF	vocational co special educa					
	ntsHrs_AltBus [_GPl,_SPl]_ZF	[overall and be setting]	ing: business related vocational by general or special education				
•	ntsPctHrs_GPl ntsPctHrs_SPl	(created)	Percentage of time youth spent in general or special education setting while in secondary school	Numeric Variable Values Overall percentage of hours in these grades in general or special education setting	Base Students who left secondary school and have course level transcript data for all grades attended		
	ntsPctHrs_GPl	Percentage of	nours in general setting	Notes Calculated for students who left secondary school and	Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete		
	ntsPctHrs_SPl	Percentage of	hours in special setting	have course level transcript data for all grades			

		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_APl) X 100General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course	transcript data for grades attended]
		ntsPctHrs_GPl_ZF ntsPctHrs_SPl_ZF	(created)	Percentage of time youth spent in general or special education setting while in secondary school; zero filled for	Numeric Variable Values Overall percentage of hours in these grades in general or special education setting Notes	Base Students who left secondary school and have course level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left
		ntsPctHrs_GPl_ZF ntsPctHrs_SPl_ZF	Calculating means Percentage of nours in general setting Percentage of hours in special setting		Calculated for students who left secondary school and have course level transcript data for all grades attended	secondary school and appears to have complete transcript data for grades attended]
					ntsPctHrs_[setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing	
					Set ntsPctHrs_GPl_ZF to 0 if ntsHrs_ntsPctHrs_GPl is missing and ntsHrs_ntsPctHrs_SPl >= 0	
					Set ntsPctHrs_SPl_ZF to 0 if ntsHrs_ntsPctHrs_SPl is missing and ntsHrs_ntsPctHrs_GPl >= 0	
•		ntsPctHrs_[content type]	(created)	Percentage of time youth spent in content types—overall and	Numeric Variable Values Percentage of hours in these grades	Base Students who left secondary school and have course
	1	ntsPctHrs_[content type]_[setting]		by general or special education setting—while in secondary school	Notes Calculated for students who left secondary school and have course level transcript data for all grades	level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete
	CONTENT TYPE ANI			WITHIN CONTENT TYPE	attended	transcript data for grades attended]
		Content Type Courses (overall and by general or special education setting) ntsPctHrs_Acad Percentage of time in academic courses		ecial education setting)	Sum of hours in content type overall divided by sum of all hours (ntsHrs_[type] / ntsHrs_APl) X 100	
		[_GPl,_SPl]	[overall and be setting]	by general or special education	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_[type]_[GPL/SPL] /	
		ntsPctHrs_AnyV [_GPl,_SPl]		time in vocational courses by general or special education	ntsHrs_APl) X 100 Content types are academic, vocational, or other	
		ntsPctHrs_OthC [_GPl,_SPl]		time in other types of courses by general or special education	content type Content types are assigned using course types from	

	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 [_GPl,_SPl] ntsPctHrs_AltV [_GPl,_SPl] ntsPctHrs_AltOthC [_GPl,_SPl]	general or spe Alternate cod general or spe Alternate cod	ing: academics [overall and by ecial education setting] ing: vocational [overall and by ecial education setting] ing: other types of courses by general or special education	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"_GPl" suffix, special by "_SPl," 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_[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	Numeric Variable Values Percentage of hours in these grades Notes Calculated for students who left secondary school and have course level transcript data for all grades	Base 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	
	CONTENT TYPE	AND SETTING '	WITHIN CONTENT TYPE	attended	transcript data for grades attended]	
	(overall and by	Content Type general or spe Percentage of [overall and be setting] Percentage of [overall and be setting] Percentage of [overall and be setting] Alternate cod general or spe Alternate cod general or spe Alternate cod		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]_GPl_ZF to 0 if ntsHad_content type] > 0, ntsPctHrs_[content type]_GPl is missing, and ntsPctHrs_[content type]_SPl >= 0 Set ntsPctHrs_[content type]_GPl_ZF to 0 if ntsHad_content type] > 0, ntsPctHrs_[content type]_SPl is missing, and ntsPctHrs_[content type]_SPl is missing, and ntsPctHrs_[content type]_GPl_>= 0		

	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			
	Content Type y general or sp Of those in actime in gener Of those in votime in gener Of those in o of time in gener Alternate cod general or sp Alternate cod general or sp Alternate cod	Percentage of time in general or special education setting within each content type while in secondary school WITHIN CONTENT TYPE Courses ecial education setting) cademic courses, percentage of all and special setting ocational courses, percentage of all and special setting ther types of courses, percentage eneral and special setting ling: academics [overall and by ecial education setting] ling: vocational [overall and by ecial education setting] ling: other types of courses by general or special education	Notes Calculated for students who left secondary school and have course level transcript data for all grades attended 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 (ntsHrs_[type]_[GPL/SPL] / ntsHrs_[type]_APl) 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"_GPl" suffix, special by "_SPl" General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course ntsPctHrs_[type] _w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntsPctHrs_[type] for items overall (not by setting)	Base 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]			
ntsPctHrs_[content type]_W_[setting]_ZF	(created)	Percentage of time in general or special education setting within each content type while in secondary school; zero filled for calculating means	Numeric Variable Values Percentage of hours in this setting Notes Calculated for students who left secondary school and have course level transcript data for all grades	Base 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			
CONTENT TYPE AND SETTING WITHIN CONTENT TYPE		attended Set ntsPctHrs_[content type]_W_GPl_ZF to 0 if ntsPctHrs_[content type]_W_GPl is missing and ntsPctHrs_[content type]_W_SPl >= 0	transcript data for grades attended]				

			Course ta	aking Summary across Grades Attended [File N2Trans_Summary]	
				Variable Type and Values	
	Variable Name	Sources	Variable Description	Notes: Assignments, Modifications, and/or Validations	Base: Which Students
	ntsPctHrs_AnyV_W_ [GPl/SPl]_ZF	time in genera	ocational courses, percentage of all and special setting	Set ntsPctHrs_[content type]_W_GPl_ZF to 0 if ntsPctHrs_[content type]_W_SPl is missing and ntsPctHrs_[content type]_W_GPl>= 0	
	ntsPctHrs_OthC_W_ [GPl/SPl]_ZF		her types of courses, percentage areal and special setting	ntsPctHrs_[type] _w_[GPl/SPL]_ZF contain the	
	ntsPctHrs_AltAc_W_ [GPl/SPl]_ZF	general or spe	ing: academics [overall and by cial education setting]	values within the specific content or subject area for setting; use ntsPctHrs_[type]_ZF for items overall	
	ntsPctHrs_AltV_W_ [GPl/SPl]_ZF	general or spe	ing: vocational [overall and by cial education setting]	(not by setting)	
	ntsPctHrs_AltOthC_ W_ [GPl/SPl]_ZF		ing: other types of courses by general or special education		
•	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	Numeric Variable Values Percentage of hours in these grades Notes Calculated for students who left secondary school and have course level transcript data for all grades	Base 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
	CONTENT AREA AND SETTING WITHIN CONTENT ARE	WITHIN CONTENT AREA	attended	transcript data for grades attended]	
		Content Area Courses nd by general or special education setting)		Sum of hours in content area overall divided by sum of all hours (ntsHrs_[area] / ntsHrs_APl) X 100	
		ntsPctHrs_Ac	time in academic courses (see ad under content types)	Sum of hours in content area in each setting (general or special education) divided by sum of all hours with	
	ntsPctHrs_Arts [_GPl,_SPl]		time in fine or performing arts all and by general or special ting	a value for setting (ntsHrs_[area]_[GPL/SPL] / ntsHrs_APl) X 100	
	ntsPctHrs_PE [_GPl,_SPl]		time in physical education all and by general or special ing	Content areas are academic, fine and performing arts, physical education, occupational vocational, work study/cooperative education, prevocational, life skills,	
	ntsPctHrs_OccV [_GPl,_SPl]	ntsPctHrs_OccV Percentage of time in occupational vocational		learning supports, or other content area. Content areas are assigned using content areas from ntcContent for each course. An alternate coding with	
	ntsPctHrs_WS [_GPl,_SPl]		time in work study/cooperative urses [overall and by general or tion setting]	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 [_GPl,_SPl]	[overall and be setting]	time in prevocational courses by general or special education	Setting is by general or special education; general ed setting is indicated by the "_GPl" suffix, special by "_SPl," and overall has no variable suffix.	
	ntsPctHrs_LS [_GPl,_SPl]		time in life skills courses by general or special education	General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course	
	ntsPctHrs_Sup	Percentage of	time in learning supports	education) for each course	

Course tal				king 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
	[_GPl,_SPl] ntsPctHrs_Oth	education sett	all and by general or special ing] time in other courses [overall	Set to .s [skipped] if ntgHad_[area] = 0 [did not have this type of course]	
	[_GPl,_SPl]	and by genera	al or special education setting] ing: academic (see Hrs_AltAc	course	
	ntsPctHrs_AltOV	under content Alternate cod	types) ing: occupational vocational		
	[_GPl,_SPl] ntsPctHrs_AltLS	setting]	y general or special education ing: life skills courses [overall		
	[_GPl,_SPl]	and by genera	l 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	Numeric Variable Values Percentage of hours in these grades Notes Calculated for students who left secondary school and have course level transcript data for all grades	Base 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
	CONTENT AREA AND SETTING WITHIN CONTENT AREA			attended ntsPctHrs_[content area][_setting] zero filled for	transcript data for grades attended] setting zero filled for
		Content Area (Courses ecial education setting)	calculating means; zero filled values are included in denominator rather than excluded as missing	
		Percentage of ntsPctHrs_Ac	time in academic courses (see ad under content types)	Set ntsPctHrs_[content area]_ZF and ptsPctHrs_[content area]_Isatting_ZF to 0 if	
	ntsPctHrs_Arts [_GPl,_SPl]_ZF	courses [overseducation sett		ntsUnits > 0 and ntsHad_[content area] = 0 (reported units but did not have this type of course)	
	ntsPctHrs_PE [_GPl,_SPl]_ZF	courses [overa		Set ntsPctHrs_[content area]_GPl_ZF to 0 if ntsHad_[content area] >0, ntsPctHrs_[content area]_GPl is missing, and ntsPctHrs_[content	
	ntsPctHrs_OccV [_GPl,_SPl]_ZF		time in occupational vocational all and by general or special ing]	<pre>area]_SPl >= 0 Set ntsPctHrs_[content area]_GPl_ZF to 0 if ntsHad_[content area] >0, ntsPctHrs_[content</pre>	
	ntsPctHrs_WS [_GPl,_SPl]_ZF		time in work study/cooperative urses [overall and by general or tion setting]	<pre>area]_SPl is missing, and ntsPctHrs_[content area]_GPl >= 0</pre>	
	ntsPctHrs_PreV [_GPl,_SPl]_ZF	Percentage of [overall and b setting]	time in prevocational courses by general or special education		
	ntsPctHrs_LS [_GPl,_SPl]_ZF		time in life skills courses by general or special education		

			Course ta	aking 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 [_GPl,_SPl]_ZF	Percentage of time in learning supports courses [overall and by general or special education setting]			
	ntsPctHrs_Oth [_GPl,_SPl]_ZF		fitime in other courses [overall all or special education setting]		
		Alternate cod under content	ing: academic (see Hrs_AltAc types)		
	ntsPctHrs_AltOV [_GPl,_SPl]_ZF	[overall and be setting]	ing: occupational vocational by general or special education		
	ntsPctHrs_AltLS [_GPl,_SPl]_ZF		ing: life skills courses [overall al 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	Numeric Variable Values Percentage of hours in this setting Notes	Base Students who left secondary school and have course level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left
	CONTENT AREA AND SETTING WITHIN CONTENT AREA			Calculated for students who left secondary school and have course level transcript data for all grades	secondary school and appears to have complete
		Of those in a	Courses ecial education setting) cademic courses, percentage of al and special setting	attended Sum of hours in each setting (general or special education) within content area divided by sum of	transcript data for grades attended]
	ntsPctHrs_Arts_W_ [GPl/SPl]	Of those in fi	ne or performing arts courses, time in general and special	hours with a value for setting within content area (ntsHrs_[area]_[GPL/SPL] / ntsHrs_[type]_APl) X 100	
	ntsPctHrs_PE_W_ [GPl/SPl]	Of those in pl	hysical education courses, time in general and special	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_ [GPl/SPl]		time in occupational vocational all and by general or special	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_ Of those in work study/cooperative education [GPl/SPl] courses, percentage of time in general and special setting		entage of time in general and	Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business	
	ntsPctHrs_PreV_W_ [GPl/SPl]		revocational courses, percentage neral and special setting	English out of vocational and into academic and life skills math out of life skills and into academic	
	ntsPctHrs_LS_W_ [GPl/SPl]	time in gener	fe skills courses, percentage of al and special setting	Setting is by general or special education; general ed setting is indicated by the"_GP1" suffix, special by "_SP1"	
	ntsPctHrs_Sup_W_ [GPl/SPl]		arning supports courses, 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] ntsPctHrs_AltOV_W_ [GPI/SPI] ntsPctHrs_AltLS_W_	of time in ger Alternate cod ntsPctHrs_Al Alternate cod [overall and b setting]	her types of courses, percentage leral and special setting ling: academic (see tAc under content types) ling: occupational vocational by general or special education ling: life skills courses [overall	(special education) or ≠ 4 (setting other than special education) for each course ntsPctHrs_[area] _w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntsPctHrs_[area] for items overall (not by 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 WITHIN CONTENT AREA	Numeric Variable Values Percentage of hours in this setting Notes Calculated for students who left secondary school and have course level transcript data for all grades	Base 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		
		Content Area general or specific description Of those in actime in general or those in general or specific description Of those in fipercentage of setting Of those in processes [over setting] Of those in we courses, percessed setting Of those in proof time in general of those in litime in general of those in lease of those of those in lease of those in	Courses ecial education setting) cademic courses, percentage of al and special setting ne or performing arts courses, time in general and special rysical education courses, time in general and special Time in occupational vocational all and by general or special ork study/cooperative education entage of time in general and	attended Set ntsPctHrs_[academic subject area]content area_GPl_ZF to 0 if ntsPctHrs_[academic subject area]content area_GPl is missing and ntsPctHrs_[academic subject area]content area_SPl >= 0 Set ntsPctHrs_[academic subject area]content area_GPl_ZF to 0 if ntsPctHrs_[academic subject area]content area_SPl is missing and ntsPctHrs_[academic subject area]content area_GPl >= 0 ntsPctHrs_[area] _w_[GPl/SPL]_ZF contain the values within the specific content or subject area for setting; use ntsPctHrs_[area]_ZF for items overall (not by setting)	transcript data for grades attended]		

			Course ta	king Summary across Grades Attended [File N2Trans_Summary]	
	Variable Name ntsPctHrs_Oth_W_	Sources Of those in or	Variable Description	Variable Type and Values Notes: Assignments, Modifications, and/or Validations	Base: Which Students
	IntsPctHrs_AltOV_W_ [GPI/SPI]_ZF ntsPctHrs_AltLS_W_ [GPI/SPI]_ZF	of time in ger Alternate cod ntsPctHrs_Al Alternate cod [overall and b setting] Alternate cod	neral and special setting ing: academic (see tAc under content types) ing: occupational vocational by general or special education ing: life skills courses [overall al or special education setting]		
•	ntsPctHrs_[academic subject area] ntsPctHrs_[academic subject area]_[setting]	(created)	Percentage of time youth spent in academic subject areas— overall and by general or special education setting— while in secondary school	Numeric Variable Values Percentage of hours in these grades Notes Calculated for students who left secondary school and	Base 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
	ACADEMIC SUBJECT	AREA AND SET	TING WITHIN SUBJECT AREA	have course level transcript data for all grades attended	transcript data for grades attended]
	(overall and by ntsPctHrs_Eng [_GPl,_SPl] ntsPctHrs_Math [_GPl,_SPl] ntsPctHrs_MaBas [_GPl,_SPl] ntsPctHrs_MaMid [_GPl,_SPl] ntsPctHrs_MaAdv [_GPl,_SPl] ntsPctHrs_Sci [_GPl,_SPl] ntsPctHrs_Soc [_GPl,_SPl] ntsPctHrs_Lang	Percentage of [overall and by general and by genera	cial education setting) It time in English courses by general or special education It time in math courses [overall al or special education setting] It time in basic-level math all and by general or special ting] It time in mid-level math courses by general or special education It time in advanced-level math all and by general or special ting] It time in science courses [overall al or special education setting] It time in social science courses by general or special education It time in social science courses by general or special education It time in social science courses by general or special education	Sum of hours in subject area overall divided by sum of all hours (ntsHrs_[subject] / ntsHrs_APl) X 100 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_APl) 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"_GPl" suffix, special by "_SPl," and overall has no variable suffix.	
	[_GPl,_SPl] ntsPctHrs_AltMath	special educa	rses [overall and by general or tion setting] ing: math [overall and by	General or special setting is assigned by ntcLevel = 4 (special education) or $\neq 4$ (setting other than special	

			Course ta	aking Summary across Grades Attended [File N2Trans_Summary]	
				Variable Type and Values Notes: Assignments, Modifications,	
	Variable Name	Sources	Variable Description	and/or Validations	Base: Which Students
	[_GPl,_SPl]		ecial education setting]	education) for each course	
	ntsPctHrs_AltMaB [_GPl,_SPl]	and by genera	ing: basic-level math [overall al or special education setting]	Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this type of	
	ntsPctHrs_AltEn [_GPl,_SPl]	general or spe	ing: English [overall and by ecial education setting]	course]	
	ntsPctHrs_UnkAc [_GPl,_SPl]				
•	ntsPctHrs_[academic	(created)	Percentage of time youth spent	Numeric Variable Values	Base
	subject area]_ZF ntsPctHrs_[academic		in academic subject areas—	Percentage of hours in these grades	Students who left secondary school and have course level transcript data for all grades attended
	subject area]_[setting]_ZF		special education setting— while in secondary school; zero filled for calculating means	recial education setting— hile in secondary school; bro filled for calculating eans Notes	Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete transcript data for grades attended]
	ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA			ntsPctHrs_[academic subject area][_setting] zero filled for calculating means; zero filled values are	
	(overall and by		ecial education setting)	included in denominator rather than excluded as missing	
	ntsPctHrs_Eng [_GPl,_SPl]_ZF		time in English courses by general or special education	Set ntsPctHrs_[academic subject area]_ZF and ntsPctHrs_[academic subject area]_[setting]_ZF to 0 if ntsUnits > 0 and ntsHad_[academic subject area] = 0 (reported units but did not have this type of	
	ntsPctHrs_Math [_GPl,_SPl]_ZF	and by genera	time in math courses [overall alor special education setting]		
	ntsPctHrs_MaBas [_GPl,_SPl]_ZF	courses [over education set		course) Set ntsPctHrs_[academic subject area]_GPl_ZF to 0 if	
	ntsPctHrs_MaMid [_GPl,_SPl]_ZF		time in mid-level math courses by general or special education	ntsHad_[academic subject area] >0, ntsPctHrs_[academic subject area]_GPl is missing and ntsPctHrs_[academic subject area]_SPl >= 0	
	ntsPctHrs_MaAdv [_GPl,_SPl]_ZF		time in advanced-level math all and by general or special ing]	Set ntsPctHrs_[academic subject area]_GPl_ZF to 0 if	
	ntsPctHrs_Sci [_GPl,_SPl]_ZF		time in science courses [overall all or special education setting]	ntsHad_[academic subject area] > 0, ntsPctHrs_[academic subject area]_SPl is missing and ntsPctHrs_[academic subject area]_GPl >= 0	
	ntsPctHrs_Soc [_GPl,_SPl]_ZF		time in social science courses by general or special education	and his chris_[academic subject area]_GF1>=0	
	ntsPctHrs_Lang [_GPl,_SPl]_ZF		time in courses in foreign rses [overall and by general or tion setting]		

			Course ta	king 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 [_GPl,_SPl]_ZF		ing: math [overall and by ecial education setting]		
	ntsPctHrs_AltMaB [_GPl,_SPl]_ZF		ing: basic-level math [overall all or special education setting]		
	ntsPctHrs_AltEn [_GPl,_SPl]_ZF		ing: English [overall and by cial education setting]		
	ntsPctHrs_UnkAc [_GPl,_SPl]_ZF		63		
•	ntsPctHrs_[academic subject area]_W_[setting]	(created)	Percentage of time in general or special education setting within each academic subject area while in secondary school	Numeric Variable Values Percentage of hours in this setting Notes Calculated for students who left secondary school and	Base Students who left secondary school and have course level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left]
	ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA			have course level transcript data for all grades attended	secondary school and appears to have complete transcript data for grades attended]
	Academic Subjects Courses (overall and by general or special education setting)			Sum of hours in each setting (general or special	transcript data for grades attended
	ntsPctHrs_Eng_W_ [GPl/SPl]	Of those in English courses, percentage of time in general and special setting		education) within subject area divided by sum of hours with a value for setting within subject area	
	ntsPctHrs_Math_W_ [GPl/SPl]	in general and	ath courses, percentage of time l special setting	(ntsHrs_[subject]_[GPL/SPL] / ntsHrs_[subject]_APl) X 100	
	ntsPctHrs_MaBas_W_ [GPl/SPl]		asic-level math courses, time in general and special	Academic subject areas are English, math—any level math and basic-level, mid-level, and advanced-level math—science, social science, foreign language, or	
	ntsPctHrs_MaMid_W _ [GPl/SPl]		id-level math courses, time in general and special	other/unspecified Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding	
	ntsPctHrs_MaAdv_W _ [GPl/SPl]		lvanced-level math courses, time in general and special	with ntcSubjAreaAlt moves business math from occupational vocational business into academic basic-level math, life skills math from life skills content	
	ntsPctHrs_Sci_W_ [GPl/SPl]		cience courses, percentage of al and special setting	area into basic-level math, and business English from occupational vocational business into academic	
	ntsPctHrs_Soc_W_ [GPl/SPl]	of time in ger	ocial science courses, percentage neral and special setting	English Setting is by general or special education; general ed	
	ntsPctHrs_Lang_W_ [GPl/SPl]		reign language courses, time in general and special	setting is indicated by the"_GP1" suffix, special by "_SP1" General or special setting is assigned by ntcLevel = 4	
	ntsPctHrs_AltMath_ W_ [GPl/SPl]	general or spe	ing: math [overall and by call education setting]	(special education) or $\neq 4$ (setting other than special education) for each course	
	ntsPctHrs_AltMaB_W	Alternate cod	ing: basic-level math [overall		

			Course ta	aking 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_AltEn_W_ [GPI/SPI]	Alternate cod	al or special education setting] ing: English [overall and by secial education setting]	ntsPctHrs_[subject] _w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntsPctHrs_[subject] for items overall (not by setting)	
•	ntsPctHrs_[academic subject area]_W_[setting]_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	Numeric Variable Values Percentage of hours in this setting Notes Calculated for students who left secondary school and have course level transcript data for all grades attended	Base 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]
	Ac	ACADEMIC SUBJECT AREA AND SETTING WITHIN SUBJECT AREA Academic Subjects Courses (overall and by general or special education setting) ntsPctHrs_Eng_W_ Of those in English courses, percentage of		Set ntsPctHrs_[academic subject area]_W_GPl_ZF to 0 if ntsPctHrs_[academic subject area]_W_GPl is missing and ntsPctHrs_[academic subject area]_W_SPl >= 0	unisoript data for grades unclided]
	ntsPctHrs_Math_W_ [GPl/SPl]_ZF ntsPctHrs_MaBas_W_ [GPl/SPl]_ZF	Of those in m in general and Of those in ba	ath courses, percentage of time I special setting asic-level math courses, time in general and special	Set ntsPctHrs_[academic subject area]_W_GPl_ZF to 0 if ntsPctHrs_[academic subject area]_W_SPl is missing and ntsPctHrs_[academic subject area]_W_GPl >= 0 ntsPctHrs_[subject]_w_[GPl/SPL]_ZF contain the values within the specific content or subject area for setting; use ntsPctHrs_[subject]_ZF for items overall	
	ntsPctHrs_MaMid_W _ [GPI/SPI]_ZF	percentage of setting	id-level math courses, time in general and special		
	ntsPctHrs_MaAdv_W _ [GPl/SPl]_ZF	percentage of setting	lvanced-level math courses, time in general and special	(not by setting)	
	ntsPctHrs_Sci_W_ Of those in science courses, percentage of time in general and special setting ntsPctHrs_Soc_W_ Of those in social science courses, percentage of time in general and special setting				
	ntsPctHrs_Lang_W_ [GPI/SPI]_ZF	Of those in fo	reign language courses, time in general and special		
	ntsPctHrs_AltMath_ W_ [GPl/SPl]_ZF ntsPctHrs_AltMaB_W	general or spe	ing: math [overall and by ccial education setting] ing: basic-level math [overall		
	ntsPctHrs_AltMaB_W _ [GPl/SPl]_ZF ntsPctHrs_AltEn_W_	and by genera	ing: basic-level math [overall all or special education setting] ing: English [overall and by		

			Course ta	king 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		ecial education setting]		
•	ntsPctHrs_[vocational subject area] ntsPctHrs_[vocational subject area]_[setting] Occupational V. Within Occup	(created) OCATIONAL SU ATIONAL VOCA pational Vocat	Percentage of time youth spent in occupational vocational subject areas—overall and by general or special education setting—while in secondary school BJECT AREA AND SETTING ATIONAL SUBJECT AREA	Numeric Variable Values Percentage of hours in these grades Notes Calculated for students who left secondary school and have course level transcript data for all grades attended Sum of hours in subject area overall divided by sum of all hours (ntsHrs_[subject] / ntsHrs_APl) X 100 Sum of hours in subject area in each setting (general	Base 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]
	ntsPctHrs_Bus [_GPl,_SPl] ntsPctHrs_Food [_GPl,_SPl] ntsPctHrs_Food [_GPl,_SPl] ntsPctHrs_Hlth [_GPl,_SPl] ntsPctHrs_Mktg [_GPl,_SPl] ntsPctHrs_HmEc [_GPl,_SPl] ntsPctHrs_Tech [_GPl,_SPl] ntsPctHrs_Trd [_GPl,_SPl] ntsPctHrs_Trd [_GPl,_SPl] ntsPctHrs_Trd [_GPl,_SPl] ntsPctHrs_Trd [_GPl,_SPl]	Percentage of vocational co special educa Percentage of vocational co special educa Percentage of hospitality reland by general Percentage of vocational co special educa Percentage of vocational co special educa Percentage of related vocational co special educa Percentage of vocational by general or special educational by general or Alternate cod	Etime in agricultural related urses [overall and by general or tion setting] Etime in business related urses [overall and by general or tion setting] Etime in food service and lated vocational courses [overall al or special education setting] Etime in health related urses [overall and by general or tion setting] Etime in marketing related urses [overall and by general or tion setting] Etime in home economics onal courses [overall and by general or tion setting] Etime in home economics onal courses [overall and by general education setting] Etime in technology related urses [overall and by general or tion setting]	or special education) divided by sum of all hours with a value for setting (ntsHrs_[subject]_[GPL/SPL] / ntsHrs_APl) 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 English from occupational vocational business into academic English Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl," 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 type of course]	

		Course ta	aking 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 ОССИР Оссир	Percentage of vocational cospecial educa Percentage of vocational cospecial educa Percentage of hospitality reand by general educa Percentage of vocational cospecial educa Percentage of vocational by general or Alternate cod	fitime in agricultural related urses [overall and by general or tion setting] fitime in business related urses [overall and by general or tion setting] fitime in business related urses [overall and by general or tion setting] fitime in food service and lated vocational courses [overall al or special education setting] fitime in health related urses [overall and by general or tion setting] fitime in marketing related urses [overall and by general or tion setting] fitime in home economics onal courses [overall and by general education setting] fitime in technology related urses [overall and by general or tion setting]	Numeric Variable Values Percentage of hours in these grades Notes Calculated for students who left secondary school and have course level transcript data for all grades attended ntsPctHrs_[occupational vocational subject area][_setting] zero filled for calculating means; zero filled values are included in denominator rather than excluded as missing Set ntsPctHrs_[vocational subject area]_ZF and ntsPctHrs_[vocational subject area]_Setting]_ZF to 0 if ntsUnits > 0 and ntsHad_[vocational subject area] = 0 (reported units but did not have this type of course) Set ntsPctHrs_[vocational subject area]_GPl_ZF to 0 if ntsHad_[vocational subject area]_GPl is missing. and ntsPctHrs_[vocational subject area]_GPl is missing. and ntsPctHrs_[vocational subject area]_GPl_ZF to 0 if ntsHad_[vocational subject area]_GPl_ZF to 0 if ntsHad_[vocational subject area]_SPl is missing. and ntsPctHrs_[vocational subject area]_SPl is missing. and ntsPctHrs_[vocational subject area]_GPl>= 0	Base 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 ta	aking 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 ntsPctHrs_[vocational subject area]_W_[setting] OCCUPATIONAL V WITHIN OCCUP Occup (overall and by ntsPctHrs_Agr_W_ [GPI/SPI] ntsPctHrs_Bus_W_ [GPI/SPI] ntsPctHrs_Food_W_ [GPI/SPI] ntsPctHrs_Hlth_W_ [GPI/SPI] ntsPctHrs_Mktg_W_ [GPI/SPI] ntsPctHrs_HmEc_W_ [GPI/SPI] ntsPctHrs_Tech_W_ [GPI/SPI] ntsPctHrs_Trch_W_ [GPI/SPI] ntsPctHrs_Trd_W_ [GPI/SPI]	ocational Vocational Sections of those in forelated vocation general and of those in front the percentage of setting of those in front those in front the percentage of setting of those in front those in front the percentage of those in front those in front the percentage of those in the courses, percentage of those in the courses, percentage of those in the percentage of the percentage	Percentage of time in general or special education setting within each occupational vocational subject while in secondary school BJECT AREA AND SETTING ATIONAL SUBJECT AREA ional Courses ecial education setting) gricultural related vocational entage of time in general and grain service and hospitality onal courses, percentage of time in general and grain setting eath related vocational entage of time in general and special setting eath related vocational entage of time in general and special setting eath related vocational courses, time in general and grain general and grain general entage of time in general and grain general general setting chnology related vocational entage of time in general and grain general and special setting chnology related vocational entage of time in general and grain general and special setting chronology related vocational entage of time in general and special setting cher/unspecified occupational urses courses, percentage of all and special setting	9 ,	Base 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]
	ntsPctHrs_Trd_W_ [GPI/SPI] ntsPctHrs_Unk_W_	courses, percentage of time in general and special setting Of those in trade and industry courses, percentage of time in general and special		within the specific content or subject area for setting; use ntsPctHrs_[subject] for items overall (not by	

				Course ta	king 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_[vocational subject area]_W_[setting]_ZF Occupational Ve	(created) OCATIONAL SU	Percentage of time in general or special education setting within each occupational vocational subject while in secondary school; zero filled for calculating means BJECT AREA AND SETTING	Numeric Variable Values Percentage of hours in this setting Notes Calculated for students who left secondary school and have course level transcript data for all grades attended Set ntsPctHrs_[vocational subject area]_W_GPl_ZF	Base 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]
		OCCUPATIONAL VOCATIONAL SUBJECT AREA Occupational Vocational Courses (overall and by general or special education setting) IntsPctHrs_Agr_W_ [GPl/SPl]_ZF IntsPctHrs_Bus_W_ [GPl/SPl]_ZF IntsPctHrs_Food_W_ [GPl/SPl]_ZF IntsPctHrs_Hlth_W_ [GPl/SPl]_ZF IntsPctHrs_Mktg_W_ [GPl/SPl]_ZF IntsPctHrs_Mktg_W_ [GPl/SPl]_ZF IntsPctHrs_Mktg_W_ [GPl/SPl]_ZF IntsPctHrs_Mktg_W_ [GPl/SPl]_ZF IntsPctHrs_Hmec_W_ [GPl/SPl]_ZF IntsPctHrs_Hmec_W_ [GPl/SPl]_ZF IntsPctHrs_Hmec_W_ [GPl/SPl]_ZF IntsPctHrs_Trech_W_ [GPl/SPl]_		cional Courses ecial education setting) gricultural related vocational entage of time in general and gricultural related vocational entage of time in general and group on a courses, percentage of time dispecial setting ealth related vocational courses, time in general and special entage of time in general and group on a course of time dispecial setting ealth related vocational courses, time in general and special entage of time in general and group on a course of time in general setting chnology related vocational entage of time in general and group of time in	to 0 if ntsPctHrs_[vocational subject area]_W_GPl is missing and ntsPctHrs_[vocational subject area]_W_SPl >= 0 Set ntsPctHrs_[vocational subject area]_W_GPl_ZF to 0 if ntsPctHrs_[vocational subject area]_W_SPl is missing and ntsPctHrs_[vocational subject area]_W_GPl >= 0 ntsPctHrs_[subject]_w_[GPl/SPL]_ZF contain the values within the specific content or subject area for setting; use ntsPctHrs_[subject]_ZF for items overall (not by setting)	
		ntsPctHrs_AltBus_W_ [GPl/SPl]_ZF	Alternate cod [overall and b setting]	ing: business related vocational by general or special education	Name of Variable Value	Page
L	•	ntsGPA	(created)	Weighted grade point average	Numeric Variable Values	Base

		Course ta	aking 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	Notes Calculated for students who left secondary school and have course level transcript data for all grades attended Cumulative weighted grade point average 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 Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl," 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	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]
ntsGPA_[content type] ntsGPA_[content type]_[setting]	(created)	Cumulative weighted grade point average for graded courses in each content type overall and by general or special education setting	Numeric Variable Values Weighted grade point average Notes Calculated for students who left secondary school and	Base 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]
CONTENT TYPE	AND SETTING	WITHIN CONTENT TYPE	have course level transcript data for all grades attended	
Content Type Courses (overall and by general or special education setting) ntsGPA_Acad GPA in academic courses [overall and by general or special education setting] ntsGPA_AnyV GPA in vocational courses [overall and by general or special education setting] ntsGPA_OthC GPA in other types of courses [overall and by general or special education setting] ntsGPA_AltAc Alternate coding: academics [overall and by general or special education setting] ntsGPA_AltV [_GPl,_SPl] Alternate coding: vocational [overall and by general or special education setting] ntsGPA_AltOthC Alternate coding: other types of courses [_GPl,_SPl] [overall and by general or special education setting]			Cumulative weighted grade point average in content type 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 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	

			Course ta	aking 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]		other types of courses into academic	
				Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl," and overall has no variable suffix.	
				General or special setting is assigned by ntcLevel = 4 (special education) or $\neq 4$ (setting other than special education) for each course	
				Set to .s [skipped] if ntgHad_[type] = 0 [did not have this type of course]	
•	ntsGPA_[content area]	(created)	Cumulative weighted grade point average for graded	Numeric Variable Values Weighted grade point average	Base Students who left secondary school and have graded
	ntsGPA_[content area]_[setting]		courses in content areas overall and by general or special education setting	Notes Calculated for students who left secondary school and have course level transcript data for all grades	course level transcript data for all grades attended Tr_LvStat = 1 or 2 and ntaComplete = 1 [left secondary school and appears to have complete
	CONTENT AREA AND SETTING WITHIN CONTENT AREA			attended	transcript data for grades attended]
			ecial education setting)	Cumulative weighted grade point average in content area overall and by setting	
		under conten	emic courses (see ntsGPA_Acad types)	Grade point weighted by hours for each course:	
	ntsGPA_Arts [_GPI,_SPI]	GPA in fine of [overall and losetting]	or performing arts courses by general or special education	Weighted grade point = ntcGradeScale (grade point) * ntcHrs (hours); the weighted grade point average is calculated as sum of weighted grade points ÷ sum of hours	
	ntsGPA_PE [_GPl,_SPl]		ical education courses [overall al or special education setting]	Content areas are academic, fine and performing arts, physical education, occupational vocational, work	
	ntsGPA_OccV [_GPl,_SPl]		pational vocational courses by general or special education	study/cooperative education, prevocational, life skills, learning supports, or other content area.	
	ntsGPA_WS [_GPl,_SPl]		study/cooperative education rall and by general or special ting]	Content areas are assigned using content areas from ntcContent for each course. An alternate coding with ntcContentAlt moves business math and business	
	ntsGPA_PreV [_GPl,_SPl]		ocational courses [overall and by ecial education setting]	English out of vocational and into academic and life skills math out of life skills and into academic	
	ntsGPA_LS [_GPl,_SPl]	GPA in life s general or spe	kills courses [overall and by ecial education setting]	Setting is by general or special education; general ed setting is indicated by the"_GPI" suffix, special by	
	ntsGPA_Sup [_GPl,_SPl]	and by genera	ing supports courses [overall al or special education setting]	"_SPI," and overall has no variable suffix. General or special setting is assigned by ntcLevel = 4	
	ntsGPA_Oth [_GPl,_SPl]		courses [overall and by general acation setting]	(special education) or $\neq 4$ (setting other than special education) for each 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		
	ntsGPA_AltOV [_GPl,_SPl] ntsGPA_AltLS [_GPl,_SPl]	ntsGPA_AltA Alternate cod [overall and b setting] Alternate cod and by genera	ing: academic (see ac under content types) ing: occupational vocational by general or special education ing: life skills courses [overall al or special education setting]	Set to .s [skipped] if ntgHad_[area] = 0 [did not have this type of course]			
sub nts	GPA_[academic bject area] GPA_[academic bject area]_[setting]	(created)	Cumulative weighted grade point average for graded courses in academic subject areas overall and by general or special education setting	Numeric Variable Values Weighted grade point average Notes Calculated for students who left secondary school and have course level transcript data for all grades	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		
	ACADEMIC SUBJECT	AREA AND SET	TING WITHIN SUBJECT AREA	attended	transcript data for grades attended]		
	(overall and by ntsGPA_Eng [_GPl,_SPl] ntsGPA_Math [_GPl,_SPl] ntsGPA_MaBas [_GPl,_SPl] ntsGPA_MaMid [_GPl,_SPl] ntsGPA_MaAdv [_GPl,_SPl] ntsGPA_Sci [_GPl,_SPl] ntsGPA_Soc [_GPl,_SPl] ntsGPA_Lang [_GPl,_SPl] ntsGPA_Lang [_GPl,_SPl] ntsGPA_Lang [_GPl,_SPl] ntsGPA_AltMath [_GPl,_SPl] ntsGPA_AltMath	GPA in Engli general or spe GPA in math or special edu GPA in basic by general or GPA in mid-l by general or GPA in advar and by general GPA in scien general or spe GPA in cours [overall and be setting] Alternate cod general or spe Alternate cod	scial education setting) sh courses [overall and by scial education setting] courses [overall and by general lection setting] clevel math courses [overall and special education setting] evel math courses [overall and special education setting] evel math courses [overall and special education setting] dor special education setting] doe courses [overall and by scial education setting] d science courses [overall and by scial education setting] es in foreign language courses by general or special education ing: math [overall and by scial education setting] ing: basic-level math [overall	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			
	[_GPl,_SPl] ntsGPA_AltEn [_GPl,_SPl]	Alternate cod	of or special education setting] ing: English [overall and by secial education setting]	(special education) or $\neq 4$ (setting other than special education) for each course			

			Course ta	aking 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 [_GPl,_SPl]		/unspecified courses [overall al or special education setting]	Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this type of course]	
•	ntsGPA_[vocational subject area] ntsGPA_[vocational subject area]_[setting]	(created)	Cumulative weighted grade point average for graded courses in occupational vocational subject areas overall and by general or special education setting	Numeric Variable Values Weighted grade point average Notes Calculated for students who left secondary school and have course level transcript data for all grades	Base 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]
	OCCUPATIONAL VOCATIONAL SUBJ WITHIN OCCUPATIONAL VOCAT Occupational Vocatio		ATIONAL SUBJECT AREA ional Courses	attended Cumulative weighted grade point average in occupational vocational subject area overall and by setting	danseript data for grades attended
	(overall and by ntsGPA_Agr [_GPl,_SPl]	ϵ		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 Occupational vocational subject areas are agricultural, business, food service and hospitality, health,	
	ntsGPA_Bus [_GPI,_SPI]	ntsGPA_Bus GPA in business related vocational courses [_GPl,_SPl] [overall and by general or special education setting]			
	ntsGPA_Food [_GPI,_SPI]	vocational co special educa		marketing, home economics, technology, trade and industry, and other/unknown	
	ntsGPA_Hlth [_GPl,_SPl]	[overall and be setting]	h related vocational courses by general or special education	Subject areas are assigned using content areas from ntcSubjArea for each course. An alternate coding with ntcSubjAreaAlt moves business math from	
	ntsGPA_Mktg [_GPl,_SPl] ntsGPA_HmEc	[overall and be setting]	eting related vocational courses by general or special education e economics related vocational	occupational vocational business into academic basic- level math and business English from occupational vocational business into academic English	
	[_GPl,_SPl]	courses [over education set	all and by general or special ting]	Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl," and overall has no variable suffix.	
	[_GPl,_SPl]	setting]		General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course	
	ntsGPA_Trd [_GPl,_SPl]	courses [over education set		Set to .s [skipped] if ntgHad_[subject] = 0 [did not have this type of course]	
	ntsGPA_Unk [_GPl,_SPl]		/unspecified occupational urses [overall and by general or		

			Course ta	aking 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_AltBus [_GPI,_SPI]	special educa Alternate cod [overall and l setting]	ling: business related vocational by general or special education		
•	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	Numeric Variable Values O No courses failed (i.e., all evaluated courses passed) or number of courses failed Notes 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"_GPl" suffix, special by "_SPl," 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	Base 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	Numeric Variable Values 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed Notes Calculated for students who left secondary school and	Base 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]
	(overall and by ntsFail_Acad [_GPI,_SPI] ntsFail_AnyV [_GPI,_SPI] ntsFail_OthC [_GPI,_SPI]	Content Type general or sp Had a failing [overall and I setting] Had a failing [overall and I setting] Had a failing [overall and I setting]	Courses ecial education setting) grade in academic courses by general or special education grade in vocational courses by general or special education grade in other types of courses by general or special education ling: academics [overall and by	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	

			Course ta	king 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
	[_GPl,_SPl] ntsFail_AltV [_GPl,_SPl]	Alternate cod	ecial education setting] ing: vocational [overall and by ecial education setting]	Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl," and overall has no variable suffix.	
	ntsFail_AltOthC [_GPl,_SPl]		ing: other types of courses by general or special education	General or special setting is assigned by ntcLevel = 4 (special education) or $\neq 4$ (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	Numeric Variable Values 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed Notes	Base 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
	CONTENT AREA AND SETTING WITHIN CONTENT AREA			Calculated for students who left secondary school and have course level transcript data for all grades	transcript data for grades attended]
	Content Area Courses			attended	
	(overall and by general or special education setting) Had a failing grade in academic courses (see			Sum if any ntcPassFail = 2 (failed) for courses in content area overall and by setting	
	ntsFail_Arts [_GPl,_SPl]	ntsFail_Acad under content types) Had a failing grade in fine or performing arts courses [overall and by general or special education setting]		study/cooperative education, prevocational, life skills,	
	ntsFail_PE [_GPl,_SPl]		grade in physical education all and by general or special ting	learning supports, or other content area. Content areas are assigned using content areas from ntcContent for each course. An alternate coding with	
	ntsFail_OccV [_GPl,_SPl]	Had a failing grade in occupational vocational courses [overall and by general or special education setting]		ntcContentAlt moves business math and business English out of vocational and into academic and life skills math out of life skills and into academic	
	ntsFail_WS [_GPl,_SPl]	Had a failing	grade in work study/cooperative urses [overall and by general or	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.	
	ntsFail_PreV [_GPl,_SPl]	Had a failing grade in prevocational courses [overall and by general or special education setting]		General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course	
	ntsFail_LS [_GPl,_SPl]		grade in life skills courses by general or special education	Set to .s [skipped] if ntgHad_[area] = 0 [did not have this type of	
	ntsFail_Sup [_GPl,_SPl]		grade in learning supports all and by general or special ting]	course]	

			Course ta	aking 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 [_GPl,_SPl]		grade in other courses [overall all or special education setting]		
			ing: academic (see c under content types)		
	ntsFail_AltOV [_GPl,_SPl]		ing: occupational vocational by general or special education		
	ntsFail_AltLS [_GPl,_SPl]		ing: life skills courses [overall all or special education setting]		
•	ntsFail_[academic subject area] ntsFail_[academic subject area]_[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	Numeric Variable Values 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed Notes Colorlated for students who left exceeded as a condent school and	Base 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]
			TING WITHIN SUBJECT AREA	Calculated for students who left secondary school and have course level transcript data for all grades	dunseript data for grades unendeed
		ademic Subjects Courses general or special education setting) Had a failing grade in English courses [overall and by general or special education setting] Had a failing grade in math courses [overall and by general or special education setting] Had a failing grade in basic-level math		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	
	[_GPl,_SPl] ntsFail_MaMid [_GPl,_SPl] ntsFail_MaAdv [_GPl,_SPl]	education set Had a failing [overall and b setting] Had a failing	ducation setting] Had a failing grade in mid-level math courses overall and by general or special education etting] Had a failing grade in advanced-level math ourses [overall and by general or special ntcl with occ level are are accessed to the control of the	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	
	ntsFail_Sci [_GPl,_SPl]	Had a failing	grade in science courses by general or special education	Setting is by general or special education; general ed setting is indicated by the"_GPl" suffix, special by "_SPl," and overall has no variable suffix.	
	ntsFail_Soc [_GPl,_SPl]	[overall and be setting]	grade in social science courses by general or special education	General or special setting is assigned by ntcLevel = 4 (special education) or $\neq 4$ (setting other than special education) for each course	
	ntsFail_Lang [_GPl,_SPl]		grade in courses in foreign rses [overall and by general or	Set to .s [skipped] if	

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 [_GPl,_SPl] ntsFail_AltMaB	general or spe Alternate cod	ling: math [overall and by ecial education setting] ling: basic-level math [overall	ntgHad_[subject] = 0 [did not have this type of course]	
	[_GPI,_SPI] ntsFail_AltEn [_GPI,_SPI] ntsFail_UnkAc [_GPI,_SPI]	Alternate cod general or spo Had a failing	al or special education setting] ling: English [overall and by ecial education setting] grade in other/unspecified all and by general or special		
•	ntsFail_[vocational subject area] ntsFail_[vocational subject area]_[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	Numeric Variable Values 0 No courses failed (i.e., all evaluated courses passed) or number of courses failed Notes Calculated for students who left secondary school and	Base 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]
	WITHIN OCCUP	VOCATIONAL SUBJECT AREA AND SETTING PATIONAL VOCATIONAL SUBJECT AREA have course level transcript data for all grades attended			
		Had a failing vocational co special educa Had a failing	grade in agricultural related urses [overall and by general or tion setting] grade in business related urses [overall and by general or	Sum if any ntcPassFail = 2 (failed) for courses in occupational vocational subject area overall 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	
	ntsFail_Food [_GP1,_SP1] ntsFail_Hlth [_GP1,_SP1]	Had a failing hospitality re and by genera Had a failing	grade in food service and lated vocational courses [overall al or special education setting] grade in health related urses [overall and by general or	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	
	ntsFail_Mktg [_GPl,_SPl]	Had a failing vocational co special educa	grade in marketing related urses [overall and by general or tion 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.	
	ntsFail_HmEc [_GPl,_SPl]	related vocati	grade in home economics onal courses [overall and by ecial education setting]	General or special setting is assigned by ntcLevel = 4 (special education) or $\neq 4$ (setting other than special education) for each course	
	ntsFail_Tech [_GPl,_SPl]		grade in technology related urses [overall and by general or	Set to .s [skipped] if	

		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_Trd [_GPl,_SPl] ntsFail_Unk [_GPl,_SPl] ntsFail_AltBus [_GPl,_SPl]	special educa Had a failing related vocati general or spe Had a failing occupational by general or Alternate cod		ntgHad_[subject] = 0 [did not have this type of course]					
•	ntsPctFail_[content type]_W ntsPctFail_[content type]_W_[setting]	(created)	Percentage of courses youth failed within each content type—overall and by general or special education setting—while in secondary school	Numeric Variable Values Percentage of courses failed within content type Notes Calculated for students who left secondary school and have course level transcript data for all grades	Base 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				
	CONTENT TYPE AND SETTING WITHIN CONTENT TYPE Content Type Courses			attended	transcript data for grades attended]				
	(overall and by general or special education setting)			Percentage of courses failed in content type overall and by setting					
	[_GPl,_SPl] (ntsPctFail_AnyV_W l	Percentage of courses failed within academic courses [overall and by general or special education setting] Percentage of courses failed within vocational courses [overall and by general or special education setting] Percentage of courses failed within other types of courses [overall and by general or special education setting] Alternate coding: academics [overall and by general or special education 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					
	ntsPctFail_OthC_W [_GPl,_SPl] ntsPctFail_AltAc_W [_GPl,_SPl]			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					
	ntsPctFail_AltV_W [_GPl,_SPl]_W	Alternate cod general or spe	ing: vocational [overall and by cial education setting]	Setting is by general or special education; general ed setting is indicated by the"_GPI" suffix, special by "_SPI"					
	ntsPctFail_AltOthC_ W [_GPl,_SPl]		ing: other types of courses by general or special education	General or special setting is assigned by ntcLevel = 4 (special education) or \neq 4 (setting other than special education) for each course					
				ntsPctFail_[type] _w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntsPctFail_[type] for items overall (not by setting)					
•	ntsPctFail_[content area]_W	(created)	Percentage of courses youth failed within each content	Numeric Variable Values	Base Students who left secondary school and have graded				

Course taking Summary across Grades Attended [File N2Trans Summary] Variable Type and Values Notes: Assignments, Modifications, and/or Validations Variable Name Sources Variable Description **Base: Which Students** ntsPctFail_[content area—overall and by general Percentage of courses failed within content area course level transcript data for all grades attended or special education settingarea]_W_[setting] Tr_LvStat = 1 or 2 and ntaComplete = 1 [left Notes while in secondary school secondary school and appears to have complete Calculated for students who left secondary school and CONTENT AREA AND SETTING WITHIN CONTENT AREA transcript data for grades attended] have course level transcript data for all grades **Content Area Courses** (overall and by general or special education setting) Percentage of courses failed within content area Percentage of courses failed within academic overall and by setting courses (see ntsPctFail Acad under content Percentage calculated as sum of ntcHrs (hours) in types) content area where ntcPassFail = 2 (failed) ÷ sum of Percentage of courses failed within fine or ntsPctFail_Arts_W ntcHrs (hours) in content area X 100 [GPI, SPI] performing arts courses [overall and by Content areas are academic, fine and performing arts, general or special education setting] physical education, occupational vocational, work ntsPctFail_PE_W Percentage of courses failed within physical study/cooperative education, prevocational, life skills, education courses [overall and by general or [_GPl,_SPl] learning supports, or other content area. special education setting] ntsPctFail OccV W Percentage of courses failed within Content areas are assigned using content areas from [GPI, SPI] occupational vocational courses [overall and ntcContent for each course. An alternate coding with by general or special education setting] ntcContentAlt moves business math and business Percentage of courses failed within work English out of vocational and into academic and life ntsPctFail_WS_W skills math out of life skills and into academic [_GPl,_SPl] study/cooperative education courses [overall and by general or special education setting] Setting is by general or special education; general ed ntsPctFail_PreV_W Percentage of courses failed within setting is indicated by the"_GPl" suffix, special by [_GPl,_SPl] prevocational courses [overall and by general " SPI" or special education setting] General or special setting is assigned by ntcLevel = 4 ntsPctFail_LS_W Percentage of courses failed within life skills (special education) or $\neq 4$ (setting other than special [GPl, SPl] courses [overall and by general or special education) for each course education setting] ntsPctFail_[area] _w_[GPl/SPL] contain the values Percentage of courses failed within learning ntsPctFail_Sup_W within the specific content or subject area for setting; [_GPl,_SPl] supports courses [overall and by general or use ntsPctFail_[area] for items overall (not by setting) special education setting] ntsPctFail_Oth_W Percentage of courses failed within other [_GPl,_SPl] courses [overall and by general or special education setting] Alternate coding: academic [overall and by general or special education setting] (see ntsPctFail_AltAc[_GPl,_SPl] under content Alternate coding: occupational vocational ntsPctFail_AltOV_W [GPI, SPI] [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					
[_GPl,_SPl]	and by genera	al or special education setting]							
ntsPctFail_[academic subject area]_W ntsPctFail_[academic subject area]_W_[setting]	(created)	Percentage of courses youth failed within each academic subject area—overall and by general or special education setting—while in secondary school	Numeric Variable Values Percentage of courses failed within subject area Notes Calculated for students who left secondary school and have course level transcript data for all grades attended	Base 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]					
ACADEMIC SUBJECT	AREA AND SET	TING WITHIN SUBJECT AREA							
Ac	ademic Subjec	ets Courses	Percentage of courses failed within academic subject area overall and by setting						
		ecial education setting)	, ,						
ntsPctFail_Eng_W [_GPl,_SPl]	ntsPctFail_Eng_W Percentage of courses failed within English		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						
ntsPctFail_MaAdv_W [_GPl,_SPl]	advanced-lev	f courses failed within el math courses [overall and by ecial education setting]	English from occupational vocational business into academic English Setting is by general or special education; general ed						
ntsPctFail_Sci_W [_GPl,_SPl]		f courses failed within science all and by general or special ting	setting is indicated by the"_GPl" suffix, special by "_SPl" General or special setting is assigned by ntcLevel = 4						
ntsPctFail_Soc_W [_GPl,_SPl]	ntsPctFail_Soc_W Percentage of courses failed within social science courses [overall and by general or		(special education) or $\neq 4$ (setting other than special education) for each course						
			ntsPctFail_[subject] _w_[GPl/SPL] contain the values within the specific content or subject area for setting; use ntsPctFail_[subject] for items overall (not by setting)						
W [_GPl,_SPl]			setting)						
ntsPctFail_AltMaB_ W [_GPl,_SPl]	and by genera	ling: basic-level math [overall al or special education setting]							
ntsPctFail_AltEn_W [_GPl,_SPl]		ling: English [overall and by ecial education setting]							

		Course taking Summary across Grades Attended [File N2Trans_Summary]								
		Varjable Name	Sources	Variable Description	Variable Type and Values Notes: Assignments, Modifications,	Rose: Which Students				
	•	WITHIN OCCUP. Occup. (overall and by ntsPctFail_Agr_W [_GPl,_SPl] ntsPctFail_Bus_W [_GPl,_SPl] ntsPctFail_Food_W [_GPl,_SPl] ntsPctFail_Hlth_W [_GPl,_SPl] ntsPctFail_Mktg_W [_GPl,_SPl] ntsPctFail_HmEc_W [_GPl,_SPl] ntsPctFail_Tech_W	rational (created) Percentage of courses failed within each vocational subject area—overall and by general or special education setting—while in secondary school FIONAL VOCATIONAL SUBJECT AREA AND SETTING NOCCUPATIONAL VOCATIONAL SUBJECT AREA Occupational Vocational Courses Ill and by general or special education setting) Agr_W Percentage of courses failed within agricultural related vocational courses [overall and by general or special education setting] Bus_W Percentage of courses failed within business related vocational courses [overall and by general or special education setting] Food_W Percentage of courses failed within food service and hospitality related vocational courses [overall and by general or special education setting] HIth_W Percentage of courses failed within health related vocational courses [overall and by general or special education setting] Mktg_W Percentage of courses failed within marketing related vocational courses [overall and by general or special education setting] Mktg_W Percentage of courses failed within marketing related vocational courses [overall and by general or special education setting] Mctg_W Percentage of courses failed within home economics related vocational courses [overall and by general or special education setting] Mctg_W Percentage of courses failed within home economics related vocational courses [overall and by general or special education setting] Mctg_W Percentage of courses failed within home economics related vocational courses [overall and by general or special education setting] Mctg_W Percentage of courses failed within home economics related vocational courses [overall and by general or special education setting]		Notes: Assignments, Modifications, and/or Validations Numeric Variable Values Percentage of courses failed within subject area Notes Calculated for students who left secondary school and have course level transcript data for all grades attended Percentage of courses failed within 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"_GPl" suffix, special by "_SPl" General or special setting is assigned by ntcLevel = 4 (special education) or ≠ 4 (setting other than special education) for each course ntsPctFail_[subject] _w_[GPl/SPL] contain the values	Base 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]				
		[_GPl,_SPl] ntsPctFail_Trd_W			within the specific content or subject area for setting; use ntsPctFail_[subject] for items overall (not by setting)					
		[_GPl,_SPl]	industry relat	ed vocational courses [overall al or special education setting]						
		ntsPctFail_Unk_W [_GPl,_SPl]	other/unspeci courses [over education set							
L		ntsPctFail_AltBus_W	Alternate cod	ling: business related vocational						

	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			
[_GPl,_SPl]	[overall and l	by general or special education					
ntsVocInvlv	(created)	Scale describing extent of vocational involvement within an occupational area while youth was in secondary school	Numeric Variable Values 1 No vocational courses 2 Prevocational/career education 3 One or more occupational vocational classes—occupational area(s) unidentified 4 Survey of vocational (1-3 courses in one occupational area) 5 Sequence of vocational (4 or more courses in one occupational area) Notes 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 >= 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] = >= 4 [had 4 or more courses in a single occupational voc area]	Base 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]			
ntsVocScale	(created)	Scale describing the extent of vocational involvement and work experience within an occupational area while youth was in secondary school	Numeric Variable Values 1 No vocational courses 2 No vocational courses but had work experience 3 Prevocational/career education 4 Prevocational/career education and work	Base 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			

Course taking Summary across Grades Attended [File N2Trans_Summary]

[File N21 rans_Summary]							
			Variable Type and Values				
Variable Name	Sources	Variable Description	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 sped setting	transcript data for grades attended]			
			Notes 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]

	[File 14211 alis_Sullilliary]						
				Variable Type and Values			
	** * 11 **	G.	W . 11 B	Notes: Assignments, Modifications,	D WILL GO I A		
	Variable Name	Sources	Variable Description	work study] if ntsVocInvlv = 3 and ntsVocHad_WS = 1 [had courses in occupational voc but subject areas unidentified and work study]	Base: Which Students		
				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_GPl 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_GPl = 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,	Numeric Variable Values 1 Yes 0 No	Base Students who left secondary school and have course level transcript data for all grades attended		
			including home school, correctional facility, or school for youth with disabilities	Notes 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]		
				Set to 1[yes] if any ntcRegSchool = 2 [any course was in a special school or setting] for this grade			
L				Set to 0 [no] if			

	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 evel data for grade 9	Numeric Variable Values 1 Yes 0 No	Base Students who left secondary school and have course level transcript data for all grades attended				
					Tr_LvStat = 1 or 2 and ntaComplete = 1 [left				
	ntsTrGrade_10 ntsTrGrade_11		evel data for grade 10 evel data for grade 11	Notes Calculated for students who left secondary school and	secondary school and appears to have complete				
	ntsTrGrade_11		evel data for grade 11	have course level transcript data for all grades	transcript data for grades attended]				
			evel data for grade 12	attended	. 0				
	ntsTrGrade_13 ntsTrGrade_14	Had course level data for ungraded		Set to 1[yes] if					
	nts11Grade_14	Had Course R	ever data for ungraded	any ntcGrLevel = [grade level] [one or more courses were reported for this grade level]					
				Set to 0 [no] if all ntcGrLevel \neq [grade level] [no courses were reported for this grade level]					
	ntsGrdFirstYr	Transcript	Earliest school year enrolled as reported in this transcript	Numeric Variable Values 1	Base 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]				

E2—NLTS2 Wave 5 Transcript Data

Course taking Summary across Grades Attended [File N2Trans_Summary]

				Variable Type and Values Notes: Assignments, Modifications,		
Variable Name		Sources	Variable Description	and/or Validations	Base: Which Students	
	• ntsGrdLastYr	Transcript	Latest school year enrolled as reported in this transcript	Numeric Variable Values 1	Base 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]	
	• ntsYrsInGrades	(created)	Number of school years to complete all grade levels reported in youth's course level data	Numeric Variable Values Number of years Notes Calculated for students who left secondary school and have course level transcript data for all grades attended Number of school years reported in course-level data	Base 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]	

	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		
			The following demograph	iic variables and weights appear in all Transcript Related	! Files		
•	Tr_Wt	(calculated)	Weight for transcript data	Numeric Variable Values Weight	Base All Students with transcript data		
•	Tr_Wt_Repl_[01-32]	(calculated)	Replicate weights for transcript data	Numeric Variable Values Weight	Base All Students with transcript data		
•	Tr_DisHdr	(created)	Disability category for table column headings	Numeric Variable Values 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	Base All Students with transcript data		
•	Tr_EthHdr	(created)	Race/ethnicity for table column headings	Numeric Variable Values 1 White 2 African American/black 3 Hispanic 4 Asian/Pacific Islander 5 American Indian/Alaska Native Notes Set to most recent value of ethnicity from parent/guardian interview: W5_EthHdr2009, W4_EthHdr2007, W3_EthHdr2005, W2_EthHdr2003, or W1_EthHdr2001	Base All Students with transcript data and value for ethnicity from parent/guardian interview		
•	Tr_GenHdr	(created)	Gender for table column headings	Numeric Variable Values 1 Male 2 Female Notes Set to most recent value of gender from parent/guardian interview: W5_GendHdr2009,	Base All Students with transcript data and value for ethnicity from parent/guardian interview		

Transcript Demographic Variables and Weights [all files except by Year and by Course] Variable Type and Values Notes: Assignments, Modifications, and/or Validations Variable Name Sources Variable Description **Base: Which Students** W4 GendHdr2007, W3 GendHdr2005, W2_GendHdr2003, or np1GendHdr Tr IncomeHdr (created) Most recently reported **Numeric Variable Values** Base parent/guardian household \$25,000 or less All Students with transcript data and a value for income as of final transcript income from parent/guardian interview data \$25,001 - \$50,000 for table column headings More than \$50,000 Notes Set to value of W1_IncomeHdr2001 if ntaLvSchYr = 1-7 (1996/97-2002/03)Set to value of W2 IncomeHdr2003 if ntaLvSchYr = 8-9 (2003/04-2004/05)Set to value of W3_IncomeHdr2005 if ntaLvSchYr = 10-11 (2005/06-2006/07)Set to value of W4 IncomeHdr2007 if ntaLvSchYr = 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 IncomeHdr20091 Tr_IncomeHdrGr...[9 (created) Most recently reported **Numeric Variable Values** Base -14] parent/guardian household \$25,000 or less All Students with transcript data for this grade and a income as of first year in \$25,001 - \$50,000 value for income from parent/guardian interview data grade level for table column More than \$50,000 headings Notes Tr IncomeHdrGr9 Income header for grade 9 data Set to value of W1_IncomeHdr2001 if Tr IncomeHdrGr10 Income header for grade 10 data ntcGrdFirstyr = 1-7 (1996/97-2002/03)Tr IncomeHdrGr11 Income header for grade 11 data Set to value of W2_IncomeHdr2003 if Tr IncomeHdrGr12 Income header for grade 12 data ntcGrdFirstyr = 8-9 (2003/04-2004/05)Tr IncomeHdrGr13 Income header for grade 13 data Set to value of W3_IncomeHdr2005 if ntcGrdFirstyr = 10-11 (2005/06-2006/07) Income header for ungraded data Tr_IncomeHdrGr14 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

	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	Numeric Variable Values 1 Graduated, received a certificate/tested to get diploma, or aged out 2 Dropped out/left for other reason	Base Students who left school as of final transcript				
				Notes Set to 1 [graduated/certificated/aged out] if ntaFinStat= 1 or 2 [graduated or got a certificate from high school or aged out]					
				Set to 2 [dropped out]if ntaFinStat = 3 [dropped out]					
				Value if missing if ntaFinStat is > 3 [still in school or status unknown]					
•	Tr_LvAge	(calculated)	Age of student when he or she when he/she left school	Numeric Variable Values Age	Base Students who left school as of final transcript				
				Notes Age calculated from student's birth date and school leaving date					
•	Tr_Age[school year]	(calculated)	Age of student as of December 1 of each academic school year	Numeric Variable Values Age as of December 1	Base All students with transcripts				
	tr_Age1996_1201	Dec 1 age in	the 1996-1997 school year	Notes Age on December 1 calculated from student's birth					
	tr_Age1997_1201	Dec 1 age in	the 1997-1998 school year	date for school years in transcript data					
	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		the 2000-2001 school year						
	tr_Age2001_1201	~	the 2001-2002 school year						
	tr_Age2002_1201		the 2002-2003 school year						
	tr_Age2003_1201		the 2003-2004 school year						
	tr_Age2004_1201		the 2004-2005 school year						
	tr_Age2005_1201	~	the 2005-2006 school year						
			the 2006-2007 school was						
	tr_Age2006_1201 tr_Age2007_1201		the 2006-2007 school year the 2007-2008 school year						

Transcript Course Codes and Categories

Course Codes and Categories								
Category Course Course		Course	Content Type	Content Area	Subject Area ¹			
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			
Sciences	0300.5	Computer science	Academics	Academics	Science			
Construction Trades O400 Construction/building trades (includes carpentry, woodworking, cabinetmaking, masonry, air conditioning, refrigeration, heating, plumbing, electricity, building maintenance)		Vocational	Occupational	Trade and industry				
	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				
Consumer and	0505.5	Child development, parenting, child care (vocational)	Vocational	Occupational	Home economics			
Homemaking	0513	Life skills, living skills						
	0515	Resource management	Other	Life skills				
	0516	Personal development	Other	Life Skills				
	0517	Consumer economics, personal finance						
	0529	Elder care			Health			
	0530	Hospitality/travel/tourism	Vocational	Occupational	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			

¹ Subject area assigned for academic subject areas and occupational vocational subject areas only

	Course Codes and Categories					
Category	Course Code	Course	Content Type	Content Area	Subject Area ¹	
	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		
Electives	0803	Study skills, study hall, test preparation		Learning supports		
	0843	School governance, leadership	Other	Other		
	0851	Community service, volunteer		Other		
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	
	1000	English/Language Arts (includes composition, literature, language arts, writing, most English courses except below)	Academics	Academics	English	
	1030	Reading				
English	1070	Business English , employment English	Vocational [alternate coding: academics]	Occupational [alternate coding: academics]	Business [alternate coding: English]	
	1061	English as a Second Language (ESL)	Acadamiaa	Academics	Fagliob	
	1080	Speech, public speaking, forensics (debate)	Academics	Academics	English	
	1100	Fine and performing arts				
	1107	Dance				
	1110	Drama, acting, stagecraft, plays, theater				
Fine and Performing Arts	1120	Music – band, specific instruments, chorus, vocal ensembles, music theory, appreciation	Other	Fine and performing arts		
	1154	Art – drawing, sculpture, pottery, ceramics, prints, crafts, art history, art appreciation				
	1171	Photography, film				
	1200	Foreign language and literature				
	1201	Spanish				
Foreign language	1205	French	Academics	Academics	Foreign language	
Foreign language	1208	Italian	Academics	Academics	Foreign language	
	1210	German				
	1214	Other European languages (Portuguese, Russian, Latin, Greek)				

	Course Codes and Categories					
Category	Course Code	Course	Content Type	Content Area	Subject Area ¹	
	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	
	1400	Health and safety Education				
Health and Safety Education	1408	Drug education	Other	Life skills		
Ludcation	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	ndustrial/Technology Education (includes employability skills, annufacturing systems, production systems) Occupational		Occupational	Trade and industry	
	1700	Science (includes life skills science, basic science)				
	1701	Environmental science, earth science, geology, physical science, astronomy, marine science, aerospace science				
Science	1711	Biology, anatomy, physiology,	Academics	Academics	Science	
	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)			Marketing	
Mass Communication	1900	Mass communication (includes journalism, broadcast, film, television, photojournalism, media, yearbook)	Academics	Academics	English	
	2000	Math			Math: basic	
	2000.5	Advanced math			Math: advanced	
	2003	Integrated math	Academics	Academics		
Mathematics	2005	Higher level math			Math: basic	
	2012	Basic-level math, general math, remedial math, fundamental math				
	2017	Life skills math	Other	Life skills		
	2021	Pre-algebra	Academics	Academics	Math: basic	

	Course Codes and Categories					
Category	Course Code	Course	Content Type	Content Area	Subject Area ¹	
	2022	Principles of algebra and geometry				
	2031	Algebra I			Moth, mid lovel	
	2034	Geometry			Math: mid-level	
	2041	Algebra II				
	2043	Algebra/trigonometry				
	2044	Trigonometry			Math: advanced	
	2048	Trigonometry/geometry			Main. advanced	
	2053	Pre-calculus				
	2060	Business math, job skills math	Vocational [alternate coding: academics]	Occupational [alternate coding: academics]	Business [alternate coding: Math: basic]	
	2061	Statistics and probability				
	2077	Calculus (including differential and multivariate calculus, calculus AB, and calculus BC)	Academics	Academics	Math: advanced	
Military Science	2100	Military science, ROTC	Vocational	Occupational	Technology	
Multidisciplinary Studies	2200	Multidisciplinary Studies Humanities,	Academics	Academics	Social science	
	2300	Physical education, PE (includes team sports, gymnastics, weight training, swimming, tennis, specific sports activities, fitness)				
Physical Education	2302	Physical education/health	Other PE and 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	
	2700	Social sciences and history (includes law)				
Social Sciences	2703	Geography	Agadamias	Agadamias	Coolel colon	
and History	2715	World history	Academics	Academics	Social science	
	2720	U.S. or American history				

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

		Course Ca	ategories and Codes by	y Content and Subject Areas		
Content Type	Content Area	Subject Area ²	Category	Course	Course Code	
Academics	Academics	Other/unspecifed	Special/Exceptional Education	Academics in a special education setting	2811	
				English/Language Arts (includes composition, literature, language arts, writing, most English courses except below)	1000	
			English	Reading	1030	
Academics	Academics	English		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	
				Foreign language and literature	1200	
				Spanish	1201	
		Foreign language	Foreign language	French	1205	
				Italian	1208	
				German	1210	
Academics	Academics		Foreign language		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	
				Advanced math	2000.5	
				Algebra/trigonometry	2043	
				Trigonometry	2044	
Academics	Academics	Math: advanced	Mathematics	Trigonometry/geometry	2048	
710000111100	rioddorniod	Main. advanood	Wattomatio	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	
Academics	Academics	iviatri. Dasic	Mathematics	Integrated math	2003	

² Subject area assigned for academic subject areas and occupational vocational subject areas only

		Course Ca	ategories and Codes by	y Content and Subject Areas	
Content Type	Content Area	Subject Area ²	Category	Course	Course Code
				Higher level math	2005
				Basic-level math, general math, remedial math, fundamental math	2012
				Pre-algebra	2021
				Principles of algebra and geometry	2022
Academics	Academics	Math: mid-level	Mathematics	Algebra I	2031
Academics	Academics	Math. Mid-level	Mathematics	Geometry	2034
				Algebra II	2041
			Computer and Information Sciences	Computer science	0300.5
				Science (includes life skills science, basic science)	1700
Academics	Academics	Academics Science		Environmental science, earth science, geology, physical science, astronomy, marine science, aerospace science	1701
/ roadonilos	Colonica	Science	Biology, anatomy, physiology,	1711	
			Chemistry	1721	
				Physics	1731
				Integrated physics and chemistry	1732
			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 (includes law)	2700
				Geography	2703
Academics	Academics	Social science		World history	2715
				U.S. or American history	2720
			Social Sciences and History	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		Fine and Performing Arts	Fine and performing arts	1100
Other	performing arts		Tille and Fellolilling Arts	Dance	1107

Content Type	Content Area	Subject Area ²	Category	Course 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
			Electives	Study skills, study hall, test preparation	0803
				Special/exceptional education	2800
				Learning strategies	2801
Other	Learning supports		Special/Exceptional	Special resources	2802
	очеропо		Education	Self-contained classroom	2809
				Resource room	2810
				Homebound Instruction	2812
			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
Other	Life skills			Health and safety Education	1400
			Health and Safety Education	Drug education	1408
				Driver's education	1410
			Mathematics	Life skills math	2017
				Community living	2803
			Special/Exceptional	Mobility instruction	2804
			Education	Communication instruction	2805
				Social development instruction	2806
Oth	Other		Floatives	Electives (includes Independent study, senior project)	0800
Other	Other Other	Electives	School governance, leadership	0843	

Content Type	Content Area	Subject Area ²	Category	y Content and Subject Areas Course	Course Code
ı ype				Community service, volunteer	0851
			Special/Exceptional Education	Transition	2807
			Careers	College planning	3009
			Homeroom	Homeroom	4000
	Physical			Physical education, PE (includes team sports, gymnastics, weight training, swimming, tennis, specific sports activities, fitness)	2300
Other	education and health		Physical Education	Physical education/health	2302
	Health			Adapted physical education	2316
	Morle Ctudy			Cooperative education	3002
Vocational	Work Study		Careers	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
Vacational	Occupational	Food service and	Canaumar and Hamamakina	Food and nutrition, food science, cooking, culinary (vocational)	0503.5
Vocational	Occupational	hospitality	Consumer and Homemaking	Hospitality/travel/tourism	0530
			Consumer and Homemaking	Elder care	0529
Vocational	Occupational	Health	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
			Computer and Information Sciences	Computer (web design, programming, computer applications, computer graphics, (Business Computer Information Sciences-BCIS)	0300
Vocational Occupational	Occupational Technology	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 ²	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 [alternate coding: academics]	Occupational [alternate coding: academics]	Business [alternate coding: English]	English	Business English , employment English	1070		
Vocational [alternate coding: academics]	Occupational [alternate coding: academics]	Business [alternate coding: Math: basic]	Mathematics	Business math, job skills math	2060		
			Electives	Aide (includes office aide, student aide, teacher aide, guidance aide, library aide, peer tutor)	0821		
				Careers	3000		
Vocational	Prevocational			General career preparation/exploration	3001		
			Careers	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

Tag	Classification of Courses
	Content Types
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)
	Content Areas (expansion of Content Types)
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)
	Academic Subject Areas (Expansion of a Content Area)
Eng	English
Math	Math: any level (includes basic, mid-level, and advanced math)
MaBas	Math: basic-level math
MaMid	Math: mid-level math

Tag	Classification of Courses			
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			
Occupational Vocational Subject Areas (Expansion of a Content Area)				
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			

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			
Example variable: ntgUnits_AnyV_GPI					
ntgUnits_AnyV_GPI	Summarization prefix	Summarized by grade level			
ntg Units_ 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			
Example variable: ntsPctUnit_Art					
ntsPctUnit_Art	Summarization prefix	Summarized across grade levels			
nts PctUnit_ 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)			

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