

Jenzabar Notes

AS/400 address: iseries.touro.edu

All tables, fields, and values applicable to the TU system are documented. Fields left blank or containing a single value for all rows were ignored. Financial aid, budget, and work file tables were also ignored.

Field values:

PGM	EXT	= Program Code	Terms	Academic Standing Codes	Cost Center Codes	Subsidiary Codes	Catalog (Division Institution Comp. 1)
MED	SF	= TUC COM	AA = Summer	AA = Registered in good standing	CHS PA = 26410	CHS PA = CP	GR TU ATSM BMS CBE CTE DPT ED EDCI
CHS	MPH	= (closed)	BB = Sum. II	HH = Academic hold	MED SF = 24180	MED SF = OM	EDU MAEI NUR OCCT OT PA
CHS	PA	= TUC PA	CC = Fall	NM = Non-matriculated	TUC CED = 26350	TUC CED = CE	PAPH PH PHRM SEPS SPED
TUC	CED	= TUC COE	DD = Winter	P1/P2 = Probation (1 st or 2 nd sem)	TUC MPH = 26440	TUC MPH = CM	OM TU BSCI CLIN IS MED OMM PRCR
TUC	MPH	= TUC MPH	EE = Spring	All others = Develop. Eng. Levels	TUC PHM = 26500	TUC PHM = CR	UG TU CHSI CSCI HIS NUR
TUC	PHM	= TUC COP	FF = Late Spr.				
TUC	UND	= Bg undergrad					

Course component 1 (GR TU)	Course component 1 (GR TU)	Course component 1 (GR TU)	Course component 1 (OM TU)	Course component 1 (UG TU)
ATSM TUN autism course	EDCI TUN Education	PA TUC PA	BSCI TUCOM Basic Science	CHSI ?
BMS TUN Bio Med offering	EDU Education	PAPH TUC PA/MPH	CLIN TUCOM Clinical rotations	NUR Nursing
CBE Prefix for HS/BMD	NUR Nursing	PH TUCOM Public Health	IS ?	(these might be for TUI)
CTE TUN cert. crse. lcl schl bd	OCCT TUN Occup. Therapy	PHRM Pharmacy	MED ?	
DPT Post professional DPT	OT Occupational Therapy	SEPS Special Ed Psych.	OMM Materia Medica & Fnd	
ED ?		SPED Special Education	PRCR TUC Primary Care	

Class codes	Class codes (continued)	Class codes (continued)	Class codes (continued)	Degree & Major codes (Div Degree Major)
CE Continuing education	C1 2005 MSPA/MPH (A)	M1 OTM: 1 st year	S1 TUCOM 1 st year	GR DPH DPM
GN Grad: Non-matriculated	C2 2005 MSPA/MPH (B)	M2 OTM: 2 nd year	S2 TUCOM 2 nd year	GR MA MEH MEL MEU MSE
GR Graduate	C3 2005 BSPA/MPH (B)	M3 OTM: 3 rd year	S3 TUCOM 3 rd year	GR MS MPA MPH
SA Stand alone	C4 2007 MSPA/MPH (C)	B1 Biomed/techniyon	S4 TUCOM 4 th year	OM DO OOM
UN UG: non-matriculated	C5 CHS-PA	F1 OTA: 1 st year	N1 TUN COM 1 st year	OM DPH DPM
U1 UG: Lower-level fresh.	T1 PT: 1 st year	F2 OTA: 2 nd year	N2 TUN COM 2 nd year	
U2 UG: Upper-level fresh.	T2 PT: 2 nd year	G1 PTA: 1 st year	N3 TUN COM 3 rd year	
...	T3 PT: 3 rd year	G2 PTA: 2 nd year	N4 TUN COM 4 th year	
U8 UG: Upper-level senior	O1 OT: 1 st year	Q1 PTM: 1 st year		
	O2 OT: 2 nd year	Q2 PTM: 2 nd year		
	O3 OT: 3 rd year	Q3 PTM: 3 rd year		

Grade scale codes	XLIST Parent Comp 1	Year codes
AO	ATSM BMS BSCI CBE CLIN CTE	1984 = 1984-85 academic year
HS	DPT ED EDCI EDLL EDTE EDU	...
OM = COM	HIS MED NUR OCCT OMM PA	2011 = 2011-12 academic year
	PH PHRM PRCR SEPS SPED	(year code = year sort field)

Library	Files	Name	Code	ID?	Fields	Notes
QGPL	(various)					This is where I save my queries.

Library	Files	Name	Code	ID?	Fields	Notes		
UTILFIL	Applicant Specific	APPSPL APPSPP APPSPL1 APPSPL2	*1A	Y	Active Record (A) Touro ID (ID#) Applied Term (AA/CC/EE) Program (TUC/MED/CHS) App Type (NA/NN/GD...) App Status (AA) Intended Deg (MAS/NON/OST/PHM/PRO)	Applied Year (yyyy) Extension (SF/CED/PHM/MPH/PA/UND) Status Qualifier (AW/D1/DV/...) User/Job name, date, time	This file has fields for placement scores and application fees	
UTILFIL	Person Master	BIOMSP01 BIOMSP02	C3*	Y	Name ID (ID#) Death Date (yyyy-mm-dd) Religion (U)	SSN (SSN #) Gender (F/M) Citizen (US/PH/VN)	Birthdate (yyyy-mm-dd) Ethnicity (A/B/H/O/U/W) Marital Status (S/M/U)	This file has fields for family, parent. And employer ID
UTILFIL	Student by loc, cl, course	BLDLOC00CC BLDLOC00EE ... BLDLOC99EE	*AA		Year (yyyy) Crs com2 (Course #) Crs com5 (single letter?)	Term (AA/CC/EE) Crs com3 (Crs section) Crs Title (course title)	Crs com1 (course prefix "BIO") Crs com4 (initials?) Dvsn Code (This looks like a combination of the section master and section schedule files.
UTILFIL	Faculty web data	FACDB01P	F01*	Y				Information from faculty web page (name, title, degrees, courses, research)
UTILFIL	Touro Main File	PGMEXTL PGMEXTL1 PGMEXTL2 PGMEXTP	*1P	Y	Touro ID (ID#) Program (TUC/MED/CHS) Cost center (see next row) Trm Credit Hours (##.##) Touro 1 st College (Y/N)	Year (yyyy) Subsidiary (OM/CE/CM/CR) Starting Status (AA) Tuition Hours (##.##) User/Job name, date, time	Term (AA/CC/EE) Extension (SF/CED/PHM/MPH/PA/UND) Current Status (AA/HH) Part/Full Time (F/P) Orig. Reg. Date (yyyy-mm-dd)	Student information by year, program, extension. Be sure to define the year and term to avoid duplicates.
UTILFIL	Program and Extension	PXPF PXLF	--		Program (TUC/MED/CHS) Extension (SF/CED/PHM/MPH/PA/UND) AD Pgm Ext (MDSF/UCCED/UCMPH/UCPHM/UCUND) Cost Center (24180/26350/26440/26500/26360)	Division Code (OM, GR, UG) Branch Code (25) Table val. (OM/CE/CM/CR/CU) Touro ID (College ID#)		Basic information about programs and extensions
UTILFIL	Student NMID file	PXPPOP	RP*		Program (TUC/MED/CHS) Ext Name (SF/College of...) Program State (CA)	Program Name (COM, TUC) Program address	Extension (SF/CED/PHM/MPH/PA/UND) Program City (Vallejo)	More information about programs and extensions

Library	Files	Name	Code	ID?	Fields	Notes
TOUCMFIL	Academic Standing	ACSDFLP ACSDFL0 ACSDFL1	RA*		Academic Standing Code Academic Standing Description	Defines the academic standing codes (see page 1)
TOUCMFIL	Action	ACTMSP	RF*		Action code ID Action description	Looks like a list of admissions actions (letters received, missing documents, reject, letters)
TOUCMFIL	Institution Master Curriculum	ADIMCP	AD*		Curriculum ID (#) Curriculum title (<i>course name</i>) Course Number (xx###) Current Hours (<i>Credit hours</i>)	I don't know if this has courses for us or only TC. I need to check this.
TOUCMFIL	Address History	ADRHSP ADRHSL0 ADRHSL1	N2*	Y	Name ID (<i>ID#</i>) Address code (LHP) Arch Job Date (1yyymmdd) Arch Job Time (#####) Arch Job Name (CMCBEFR) Address Status (C) Date confirmed (c = 0/1) Date confirmed (yy) Date confirmed (mm) Date confirmed (dd) Update source (M) Address type (U) City (city) State (state abbrev.) Address line 1 (street #/name) Address line 2 (apt#) Zip (zip code) Country (US) County (UNK) Phone status (A) Phone (phone number ###.###.####)	The leading 1 in the job date (and date confirmed) references 21 st century.
TOUCMFIL	Address Master	ADRMSL0 ADRMSL1 ADRMSL2 ADRMSLSP ADRMSW0 ADRMSW1	C2*	Y	Name ID (<i>ID#</i>) Address code (*LHP) Address status (C) Date confirmed (c = 0/1) Date confirmed (yy) Date confirmed (mm) Date confirmed (dd) Update source (M) Address type (U) Start Date (c = 0/1) Start Date (yy) Start Date (mm) Start Date (dd) City (city) Address line 1 (street #/name) Address line 2 (apt#) State (state abbrev.) Zip (zip code) Country (US) County (UNK/OOS) Phone status (A) Phone (phone number ###.###.####) User/Job name, date, time	<i>Must define what type of address</i>
TOUCMFIL	Applicant file (generic)	APPLCP APPLCL APPLCL00 APPLC2	*11	Y	Name ID (<i>ID#</i>) Prg Type (F) App Source (WITHD/ENROL/ACCFU) Major 1 (CHPA/CPPHM /MDSF/UCCED/UCMPH/UCPHM) Reading 3 (0-12) SAT Data 1 (cyymmdd) Verbal SAT 1 (###) Math SAT 1 (###) Total SAT 1 (###) SAT Data 2 (cyymmdd) Verbal SAT 2 (###) Math SAT 2 (###) Total SAT 2 (###)	This file has space for application date, recommendations, test scores, UG GPA, predictive GPA
TOUCMFIL	Attribute Codes	ATRDFP	RB*		Attribute code (xxx or ###) Attribute (accounting, finance, etc)	I don't know if this applies to TU. It lists the department/cognate areas.
TOUCMFIL	Student adv progress	AVRQLKP	A7*		Sequence # (#) Advising requirement (?) Referenced req code (?) Req cluster code (C) Hours needed (#.##) Advising req type (CRS/GROUP)	I don't know if this is useful. It does not provide any TUC info.
TOUCMFIL	Bio Master	BIOMSLO BIOMSL1 BIOMSL2 BIOSL3 BIOMSWE BIOMSW0 BIOMSW1	*C3	Y	Name ID (<i>ID#</i>) SSN (<i>SSN #</i>) Birthdate (<i>yyyy-mm-dd</i>) Death Date (<i>yyyy-mm-dd</i>) Gender (F/M) Ethnicity (A/B/H/O/U/W) Religion (U) Citizen (US/PH/VN) Marital Status (S/M/U)	This file has fields for family, parent. And employer ID

Library	Files	Name	Code	ID?	Fields	Notes		
TOUCMFIL	Catalog Master	CATMSP CATMSLT CATMSL0 CATMSL1 CATMSL2 CATMSL3 CATMSL4	RD*		Crs component 1 (dept) Division code (see codes) Short course title () Fixed/variable crd (F/V) Max hours repeatable (#) Curriculum ID (#) User/Job name, date, time	Crs comp. 2 (course #) Instit. dvsn code (see codes) Default credit hrs (###) Contact hours (###) Grade scale code (AO/HS) Max enrollment (#)	Crs comp 3 (section) Course title (title) Active status (A/I) Course Repeatable? (Y/N) Date approved (cyymmdd) Min enrollment (#)	General catalog information. See the division, institution division, and course component 1 codes on page 1
TOUCMFIL	Course comp. 1	CC1DFP CC1DFL0 CC1DFL1	RI*		Course component 1	Course component description		This file describes the course component 1 values
TOUCMFIL	Class definition	CLSDFP CLSDFL0 CLSDFL1	RE*		Class code	Class description		This file describes the class codes on page 1
TOUCMFIL	Degree definition	DEGDFP DEGFLO DEGFL1	T2*		Degree	Degree description		This file describes degrees (e.g. DO = Dr. of Osteopathic Med.)
TOUCMFIL	Degree history	DGRHSP DGRHSPL0 DGRSLO ... DGRSL6	RS*	Y	Name ID (ID#) Degree code (xx) 1 st major (xxx) Class size (#####)	Sequence number (1/2) Print on transcript? (Y/N) Class rank (##) Expected grad year (yyyy)	Division code (see page 1) Date degree conferred (cyymmdd) Class rank high range (???) Expected grad term (AA/CC/EE)	Class rank information; degrees and majors. What is class rank high range? Is it the highest possible rank?
TOUCMFIL	Faculty master	FACMSP FACSL0 FACSL1	RV*	F	Name ID (ID#)	Instructor Type (U/P)	Office location code (TUCOM ?)	I don't know how to specify only TU faculty.
TOUCMFIL	Faculty load table	FACTBP FACTBLT FACTBL0 ... FACTBL3	RU*	F	Name ID (ID#) Course comp 1 (dept) Course comp 5 (L)	Year code (yyyy) Course comp 2 (course #) Load percentage (###.##)	Term Code (AA/CC/EE) Course comp 4 (section?) Lead instructor flag? (Y/N)	This table matches instructors to courses taught each term
TOUCMFIL	Grade definition	GRDDFP GRDDFLO GRDDFL1	RW*		Grade code (A+, A, ... T, INC, ... 100, 99, ... 1, 0, AU, ...) Exclude from FT/PT hours? (Y/N)	Grade description () Summary field number (#)		This file describes the possible grades earned by students
TOUCMFIL	Grade history	GRDHSP GRDSL0 GRDSL1 GRDSL2	S1*	Y	Sequence nbr (#) Grade scale code (AO/HS/OM) Credit hours (###) Local hours earned (###.##) Local GPA (#.#####) Career hours GPA (###.##) Term hours attempted (##.##) Term quality points (##.#####) Year code (yyyy) Course component 1 (dept)	Record type (A/B) Credit type code (NG?) Repeat flag (R) Local hours GPA (###.##) Career hrs attempted (###.##) Career quality points (###.#####) Term hours earned (##.###) Term GPA (#.#####) Term (AA/CC/EE) Course component 2 (course #)	Division code (code) Grade code (course grade) Local hrs attempted (###.##) Local quality pts (###.#####) Career hrs earned (###.##) Career GPA (#.#####) Term hours GPA (##.##) Name ID (ID#) Student sequence # (#) Course component 3 (section)	Student course grades
TOUCMFIL	Course grade summary	GRDSMP GRDSML0 GRDSML1	L7*					Empty along with all other grade summary tables???

Library	Files	Name	Code	ID?	Fields	Notes		
TOUCMFIL	Name Master	NAMMSP NAMMSLO NAMMSL1 NAMMSL2 NAMMSL4 ... NAMMSL9 NAMNMLO NAMNML1 NAMNML1	C1*	Y	Name ID (ID#) Birth name Current address code (*LHP)	Last name Prefix (#) First name Soundex code (?) Middle name	What is the soundex code? What is *LHP in the current address code?	
TOUCMFIL	Name master names	NAMNMP	DU*	Y	Name ID (ID#)	Name (First Middle Last)	A single name field	
TOUCMFIL	Name history	NAMHSL0 NAMHSL1 NAMHSP	N1*	Y	Name ID (ID#) (all the name master fields)	Job date Job time Job name User name	History of name entries by job date	
TOUCMFIL	Name master work file	NAMEWKL NAMEWKP	C1*	Y	Name ID (ID#)	Last name First name Middle name	The name master history file contains only student ID, name format, first/middle/last names.	
TOUCMFIL	NAMHS; N2NMID, N2JBDT for CLNAME	NAMHSL01	N1*	Y	Name ID (ID#) Address	Last name City First name State Middle Initial Zip code Address code Phone	This combines the name and address info. It contains job date info.	
TOUCMFIL	NAMMS	NAMMSL01	None	Y	Name ID (ID#) City Gender	Last name State Ethnic group First name Zip code Phone Middle name SSN Last name First name	This might be the most useful name file. It contains name, address, and biographic info.	
TOUCMFIL	NAMMS, ADRMS	NAMMSL02	C1* C2*	Y	Name ID (ID#) Last name Curr. address cd (I/U)Address line 1 Country	Update source (C) First name User/job/date/time Address line 2 City County Name type (P) Middle name City Phone private? Stop mail? Prefix Address status (C) State Phone status (A)	Name private? Soundex code Address type Zip code Phone	Name, address, phone info joined on current address code.
TOUCMFIL	Minimal NAMMS, ADRMS	NAMMSL04	C1* C2*	Y	Name ID (ID#) Prefix City State	Stop mail? Current address code Zip code Country First name Address line 1 County Middle name Address line 2 Phone	Joined on current address code	
TOUCMFIL	Spouse	NAMMSL05	SP*	Y	Spouse ID Spouse prefix Spouse state	Stop mail? Spouse current address code Spouse zip Spouse lname Spouse fname Spouse mname Spouse addrss 1-2 Spouse county	Spouse mname Spouse city Spouse phone	Spouse information
TOUCMFIL	Name master join w/ ORGMSP	NAMMSL3	C1*	Y	Name ID	Last name (this field is really a list of organizations)	Connects student ID to organization (employers or previously attended schools?)	

Library	Files	Name	Code	ID?	Fields	Notes
TOUCMFIL	Name master	NAMMSWE NAMMSW0 NAMMSW1	IA*	Y	Name ID (ID#) Last name First name Middle name Prefix/Suffix Job date/time/user information	I don't know what's unique about these files
TOUCMFIL	Name master names	NAMNMP NAMNML0 NAMNML1	DU*	Y	Name ID (ID#) Sequence # Name (first, MI, last)	A simple list of student IDs and names
TOUCMFIL	Student status name correction	NAMWRK NAMWRKL				Lots of stuff here that I don't understand
TOUCMFIL	Name master internet	NAMINTP NAMINTLO NAMINTL1	IF*	Y	Name ID (ID#) Web site url Email address Alt email address job user/date/time	Email addresses and websites for students
TOUCMFIL	Name master internet	NMINTWE NMINTWO NMINTW1	IG*	Y	Same as above plus: Accepted? (Y/N) Date accepted (cyymmdd)	
TOUCMFIL	Org. master	ORGMSPP				Information about organizations
TOUCMFIL	Part time / Full time code	PFTBP PFTBLO PFTBL1	RR*		Division code Term code Part time upper limit (##.##)	This shows the number of credits defining part-time students (e.g. OM = 11.99)
TOUCMFIL	Program definitions	PGMDFP	JF*		Program code: CHPA, CPPHM, HSMPH, HSPA, UCCED, UCPHM, UCUND, MDSF Description: Public Health, Pharmacy, Public Health, etc	I don't know which program definitions apply to TU
TOUCMFIL	Prospect file	PRSPCL PRSPCP	*10	Y	(ID, year, term, program/ext, inquiry source/date, anticipated degree)	Looks like information about prospective students
TOUCMFIL	Relationship definition	RELDFFP	OH*		Relationship code Description Corresponding Description	Defines the relationship codes (e.g., parent, husband, member)
TOUCMFIL	Requirement definition	REQDFP REQDFLO REQDFL1	T6*		Requirement code Req. type Test code Requirement description Override? Job user/date/time	Defines requirement codes (e.g., transcripts, app fee, test scores)
TOUCMFIL	Requirement	REQMSP	JG*	Y	Name ID (ID#) Year Term Program Division Requirement sequence Location Req. code Req type Req desc Completion status Complete date Receive recs? Job user/date/time	I don't know what this is. The requirement descriptions are names.
TOUCMFIL	TEAMMATE Specs	RESPCP	ML*		Spec name Description Creation date	Teammate spec descriptions

Library	Files	Name	Code	ID?	Fields	Notes		
TOUCMFIL	Section master	SCTMSP SCTMSL0 SCTMSL1 ... SCTMSL9 SCTMSLB ... SCTMSLF	R7*		Year code (yyyy) Course comp 2 (course #) Course comp 5 (section?) Lead instructor ID (ID#) Short course title Course capacity (###) Waitlist (##) Schedule changeable? (Y/N) Credit type code (NG) Tuition hours (#.##) XLIST parent comp 1 (page 1) School code (B/D/ED/M/N) Census date (blank) User def 3a2 (extension codes)	Term code (AA/CC/EE) Course comp 3 (section) Year sort field (yyyy) Institutional Div. Code Course title Course enrollment (###) History reg. count (###) Grade scale code (AO/HS/OM) Grades entered? (Y) IPEDS CIP code (#####) XLIST parent comp 2 Begin date (cyy/mm/dd) Minimum enrollment (1)	Course component 1 (dept) Course comp 4 (section?) Request number (#####) Division code Section status (O/F/C) Changed enrollment? (Y/N) Exclude from tuition? (Y/N) Credit hours (#.##) Load/contact hours (#.##) Cross listed section (P) XLIST parent comp 4 Last end date (cyy/mm/dd) User def 3a1 (TUC/TUN/MED)	Course information (enrollment, grade scale) by year/term. This contains IPEDS CIP codes. Filter results by user defined 3a1 and 3a2
TOUCMFIL	Section master	SCTMSLA	R7*		Same as above, plus:	Curriculum ID code (#####)	Adds a curriculum ID code	
TOUCMFIL	Section schedule	SCTSHP (many others)	R8*		Year code (yyyy) Sequence number (#) Building code (CCYPR) Ending date (cyy/mm/dd)	Term code (AA/CC/EE) Year sort field (yyyy) (schedule information) Instructor ID (ID#)	Course components 1-6 Location code (CALIF) Beginning date (cyy/mm/dd) Course schedule ©	Schedule information (days/times) is missing for many courses. I didn't bother checking the other section schedule files.
TOUCMFIL	Student division master	SDVMSP SDVMSL0 SDVMSL1	SA*	Y Ad	Name ID (ID#) Advisor ID (ID#) Class rank high range (#####) Certification (ED) Expected graduation term (yy) Exit reason (x) Last term of acad upd (AA/CC/EE) Local hours attempted (###.##) Local quality points (###.#####) Career hours earned (###.##) Career gpa (#.#####) Term hours gpa (##.##)	Division code (see page 1) # of transcript copies (##) Class size (#####) Graduation honors Entry date (cyy/mm/dd) # of leaves of absence (#) Last acad update (cyy/mm/dd) Local hours earned (###.##) Local gpa (#.#####) Career hours gpa (##.##) Term hrs attempt (##.##) Term quality pts (##.#####)	Class code (see page 1) Class rank (#####) VA benefits? (Y/N) Expected grad year (yyyy) Exit date (cyy/mm/dd) Last year of acad upd (yyyy) Local hours gpa (##.##) Career hrs attempt (###.##) Career qual pts (###.#####) Term hrs earned (##.##) Term gpa (#.#####)	Class codes! GPA, advisor match (cumulative)
TOUCMFIL	Student course history extension	STCEXP	DF*	Y	Name ID (ID#) Error exists? (Y/N)	Year code (yyyy) Term code (AA/CC/EE)	Student sequence (#)	I don't see anything useful here.

Library	Files	Name	Code	ID?	Fields	Notes		
TOUCMFIL	Student Term Summary	STCHRP STCHRL0 ... STCHRL6	SS*	Y	Name ID (ID#) Year sort field (yyyy) # of courses (##) Add/drop sessions (#)	Year code (yyyy) Transaction status (H/C/...) PT/FT hours (##.##) Term code (AA/CC/EE) Hours enrolled (##.##) PT/FT Status (F/P)	Summary of term enrollment information by student	
TOUCMFIL	Student courses history	STCHSP	R9*	Y	Name ID (ID#) Student sequence (#) Transaction status (D/H/...) Institution dvsn code (p1) Grade code (grade) Absences (0) Short course title Cross listed section () Hours earned (##)	Year code (yyyy) Year sort field (yyyy) Course division (see p1) Transcript division (p1) Repeat flag Credit hours (##) Course title Curriculum ID code Hours gpa (##)	Term code (AA/CC/EE) Course components 1-6 Student division (see p1) Grade scale code (p1) Previous grade / Grade change date Tuition hours (##) Drop flag (D) Hours attempted (##) Quality points (##.####)	Course grades, drops, curriculum codes by student

Other student courses history tables:

STCHSLA	Repeats by course ID 6
STCHSLAA	Year sort/Year
STCHSLB	Repeats by curriculum ID
STCHSLC	Repeats by course ID 1
STCHSLD	Repeats by course ID 2
STCHSLE	Repeats by course ID 3
STCHSLF	Repeats by course ID 4
STCHSLG	Repeats by course ID 5
STCHSLH	Id/Yr/Tm/Dvsn
STCHSLI	Id/Trm
STCHSLJ	Repeats by currid only
STCHSLK	Yr/Trm/Crs/ID-(Attend)
STCHSLL	Id/Course number/Yr/Trm
STCHSLM	Id/Sort/Year/Term/Subtrm
STCHSLN	Year/term/course
STCHSLO	Yr/Trm/Sbtrm/ID/Dvsn
STCHSLP	Student courses history Id/divsn/yr/tr/crttyp/cr
STCHSLQ	Student courses history Id/Dv/Yr/Tm/Sbtrm/Crs
STCHSLR	Student courses history SVT 7028 Id/Dv/Org/Yr/Tm
STCHSLR1	Student courses history Rpt by crs comp 1 Asc
STCHSLR2	Student courses history Rpt by crs comp 2 Asc
STCHSLR3	Student courses history Rpt by crs comp 3 Asc
STCHSLR4	Student courses history Rpt by crs comp 4 Asc
STCHSLR5	Student courses history Rpt by crs comp 5 Asc

STCHSLR6	Student courses history Rpt by crs comp 6 Asc
STCHSLS	Student courses history SVT 7949 ID/Student Dvsn
STCHSLT	Student courses history TDF access path
STCHSLU	Student courses history SVT7949 Id/Sdvn/Yr/Tm/Su
STCHSLV	Student courses history Yr/Trm/Crs/ID
STCHSLW	Student courses history Id/Dv/Sort/Yr/Tm/Sbtrm/Cr
STCHSLWE	
STCHSLX	Student courses history Year only
STCHSLY	Student courses history Bu schedule/statement
STCHSLZ	Student courses history Rpt by curr ID Asc
STCHSL0	Student courses history Update index
STCHSL1	Student courses history Retrieval index
STCHSL2	Student courses history Id/Yr/Tm/Curriculum Id
STCHSL3	Student courses history Id/Course number
STCHSL4	Student courses history Id/Yr/Tm/Dvsn/Seq #
STCHSL4Q	Student courses Yr/Trm/Xcrs/Sts/Wait dat
STCHSL5	Student courses history Id/Year/Term
STCHSL5D	Student courses history Id/Year/Term
STCHSL6	Student courses history Yr/Tm/Sts/Dvsn/Rpt
STCHSL6Q	Student courses CRSE/NAME/IDNO
STCHSL7	Student courses history Yr/Trm/Crs
STCHSL8	Student courses history Id/Yr/Trm/Course
STCHSL9	Student courses history Id/Dvsn/Yr/Tm/Crs

Library	Files	Name	Code	ID?	Fields	Notes		
TOUCMFIL	Student Master	STDMSPP STDMSL0 STDMSL1	SB*	Y	Name ID (ID#) Entrance term (AA/CC/DD/EE) Term # of courses (#) Term PT/FT status (P/F) Current division (p1) Transcript needed (Y) User defined 3a2 (p1)	Tuition type (CE/CM/CP/CR/MD/OM) Most recent year enrolled (yyyy) Term hours enrolled (##.##) Current class code (p1) Degree history sequence (#) User defined 1a2 (N) User defined 3a3 (p1)	Entrance year (yyyy) Recent term (AA/CC/DD/EE) Term PT/FT hours (##.##) Academic standing (p1) Eligibility to return (N) User defined 1a4 (N)	Class codes! User defined 3a2 = program. User defined 3a3 = extension. Current student information. Not useful for historic data.
TOUCMFIL	Student master	STDMSL2	SB*	Y	Name ID (ID#) Test ID (#)	Most recent year enrolled (yyyy) Transcript needed? (Y)	Recent term (AA/CC/DD/EE)	
TOUCMFIL	Student Term Summary by Division	STMSMP	SD*	Y	Name ID (ID#) Year sort field (yyyy) Degree code Class code (p1) PT/FT hours (##.##) Local hours attempted (###.##) Local quality points (###.####) Career hours earned (###.##) Career gpa (#.####) Term hours gpa (##.##) User def 3a1 (TUC/TUN/MED)	Division code (p1) Transaction status (C/H) Major 1 Hours enrolled (##.##) PT/FT Status (P/F) Local hours earned (###.##) Local gpa (#.####) Career hours gpa (##.##) Term hrs attempt (##.##) Term quality pts (##.####) User def 3a2 (extension codes)	Year code (yyyy) Advisor number (used?) Academic standing (p1) Number of courses (#) Probation/honor hrs (used?) Local hours gpa (##.##) Career hrs attempt (###.##) Career qual pts (###.####) Term hrs earned (##.##) Term gpa (#.####)	Class codes! Summary of term enrollment information by student within each division

Other student term summary by division tables:

STMSMLA	Student trm sumry by dvsn Year sort/Year
STMSMLG	Student trm sumry by dvsn Yr,Tm, ID, Dvsn
STMSML0	Student trm sumry by dvsn Update index
STMSML1	Student trm sumry by dvsn Retrieval index
STMSML2	Student trm sumry by dvsn Yr,Trm,Dvsn,Class,Gpa
STMSML3	Student trm sumry by dvsn Yr,Trm,Dvsn,Class

STMSML4	Student trm sumry by dvsn ID/Dvsn/Sts/Sort/Yr/Tm
STMSML5	Student trm sumry by dvsn Id/Dvsn/Sort/Yr/Tm Desc
STMSML6	Student trm sumry by dvsn
STMSML7	Student trm sumry by dvsn Yr,Trm,Dvsn,Class,Rank
STMSML8	Student trm sumry by dvsn Year only
STMSML9	Student trm sumry by dvsn ID, Dvsn, Sts, Yr, Trm

Library	Files	Name	Code	ID?	Fields	Notes
TOUCMFIL						

First, we need to set-up the ODBC source so Excel can extract data from Jenzabar.

1. Open the **ODBC Data Source Administrator** application (START -> PROGRAMS -> IBM iSeries Access for Windows -> ODBC Administration). It can also be found in (START -> SETTINGS -> CONTROL PANEL -> ADMINISTRATIVE TOOLS -> DATA SOURCES ODBC)
2. Under the **User DSN tab**, click **Add...** and then select the **iSeries Access ODBC Driver**
3. Under the **General tab**, type in a **data source name** (I went with "Jenzabar"). You should be able to select **ISERIES.TOURO.EDU** for the **System**. Now click the **Connection Options...** button.
4. For the **Default user ID:** option, select **Use iSeries Navigator default**. The **Signon dialog prompting:** should be set to **Prompt for SQLConnect if needed**. The **Security:** option should **Use same security as iSeries Navigator connection**. Click **OK**.
5. If you go to the **Server tab**, I set the **SQL default library** to **TOUCMFIL**. Under the **Library List**, I added **UTILFIL** and **QGPL**.
6. Under the **Packages tab**, I set the **Package Library** to **TOUCMFIL**. I didn't change anything on the remaining tabs. I don't know what packages are. The **OS/400 library view** might be useful (under the **Catalog tab**), but changing it didn't seem to have any effect. Click **OK** to get back to the main **ODBC Data Source Administrator** window and click **OK** to close the window.

Ok, we should never have to do that again. Now open a blank Excel workbook.

1. Click the **Data** tab at the top and find the **Get External Data** area (top left) of the menu bar. Click on **From Other Sources** and select the last option, **From Microsoft Query**.
2. This should bring up a **Choose Data Source** menu where you can select **Jenzabar** (or whatever you named it in step 3 above). Click **OK**.
3. Now type in your **User ID** and **Password** for Jenzabar and click **OK**.
4. After anywhere from 1-20 seconds, you should get a **Query Wizard – Choose Columns** window. The window displays **Available tables and columns**. These tables represent physical data files, sorts/logical views, and output from previously run queries.

Before creating a new query, let's quickly download results from a previously run query. The query (BTTUCOMGPA) was a query I wrote to get student GPA information by term for all COM students.

1. Scroll down to find **BTTUCOMGPA**. It may be faster to locate by starting to type BTT. Once you find it, click the **+** sign to the left. This should expand a list of the variables included in this file (SDNMID, RSB8AA, ...). We'll select all the variables, so highlight them all and click **>** to move them into the **Columns in your query** area on the right. Click **Next >**
2. You should now be in the **Filter Data** window. Here's where we can define filters to the data to select a subset. Let's go ahead and try to select only data from the year 2007. Highlight **YEAR1P** (the variable defining the year). Under the **Only include rows where:** area, select **equals**. To the right, we can select **2007**. Click **Next >**
3. Now we see the **Sort order** window. Let's sort our data by Student ID. To do this, we select **SDNMID** and sort it in **ascending** order. Click **Next >**
4. Now we **Finish** our data import. Let's go ahead and simply Return Data to **Microsoft Office Excel**. Click **Finish**
5. Now we see the **Import Data** window. We only want to see the raw data, so we can select **Table** and clicked **OK**. (If you want to see the SQL statements for the query, you can click **Properties...** and select the **Definition** tab)
6. You may need to type in your Jenzabar name and password again. After a few seconds, you should see the data pasted into Excel. From this point, you can create PivotTables or export the data to other applications.

Now let's see if we can write a new query through Excel to get enrollment data for TUC by program, gender, race, year, and term.

1. Open a new Excel file.
2. Click the **Data** tab at the top and find the **Get External Data** area (top left) of the menu bar. Click on **From Other Sources** and select the last option, **From Microsoft Query**.
3. This should bring up a **Choose Data Source** menu where you can select **Jenzabar** (or whatever you named it in step 3 above). Click **OK**.
4. Now type in your **User ID** and **Password** for Jenzabar and click **OK**.
5. After anywhere from 1-20 seconds, you should get a **Query Wizard – Choose Columns** window.
6. We're going to join two tables: (a) a name table containing name, address, gender, and race information, and (b) a student information file containing year, term, campus, and program information. First, scroll down to find **PGMEXTL** and click **+**. We won't need all the variables in this file, so let's just move the following variables into our query:
 - NMID1P (student ID)
 - YEAR1P (year)
 - TERM1P (term)
 - PROG1P (campus)
 - EXTN1P (program)
7. Now, while we're still on the **Choose Columns** window, scroll up to the **NAMMSL01** file and click **+**. From this table, we'll select the following columns:
 - NMID (student ID)
 - LNAM (last name)
 - FNAM (first name)

- SEX
 - RACE
8. Now we can click Next > to get to the... oops, a window should pop-up to inform you that the **Query Wizard cannot continue...** Click OK. This will take you to a **Microsoft Query** window with some of our data.
 9. At the top left, you'll see two small windows for our tables: **NAMMSL01** and **PGMEXTL**. We want to join the tables based on student ID numbers, so we need to make that explicit. You need to scroll down the **NAMMSL01** table until you see the **NMID** field. Likewise, you need to scroll down the **PGMEXTL** table until you see the **NMID1P** field. Then click the **NMID** and drag it over to the **NMID1P** field. A line should show that these two fields are matched.
 10. Now we can filter our results to show only students from TUC. At the top of the Microsoft Query window, you'll see a button labeled **SQL**. If you click this button, you can edit the SQL statements to get exactly the data you want. I'm not familiar enough with the data to do this, so we'll move on to the next two buttons to the right. You'll see these two buttons have eyeglasses on them. The button on the left just shows/hides those little tables on the top. The button on the right is the important one – it allows us to filter our data. Click this button and a new area will expand under our tables (and above our data).
 11. I want to select only students from TUC, so I need to click the empty space to the right of **Criteria Field**. Here we want to find **PGMEXTL.PROG1P** (the variable defining campus location). Select this and double-click in the space to the right of **Value**. This should bring up an **Edit Criteria** window. From my experience with Jenzabar, I know that we need to set this **PROG1P** variable to be one of 3 values. So we need to change the **Operator to: is one of**. Now we need to select the values that we want. Click the **Values...** button to see the possible values. We want to select **CHS, MED, and TUC**. Highlight those, click **OK**, and you should see **CHS,MED,TUC** as your values. Click **OK**. After a slight delay, you will see data only from TUC students.
 12. Now click the button at the top labeled **RETURN DATA** (I think it looks like an arrow pointing to a folder or door). This will bring up the Import Data window where you can choose whether to view the raw data or a pivot table. For now, keep the default **Table** and click **OK** to have the data pasted into Excel. You'll need to input your **User ID** and **password** again (and then wait another 15 seconds or so).
 13. Now you should have a list of more than 17,000 students (with ID, year, term, campus, program, ID again, last name, first name, sex, and race. This matches the results from creating the query straight through the AS/400 interface.

Once you have the data, you can create PivotTables or export to another analysis application.

How is this any better than simply using the Jenzabar interface? Well, once you set up a query here, you can simply click the **Refresh** button on Excel to run the query again. You can also easily modify this query by selecting **Connection Options** under that **Refresh** button. From the Connection Options, you can select the **Definition** tab to view the SQL statements or export the connection file (save the query for later use).