KEEPING TRACK OF OUR STUDENTS:
USING STUDENT TRACKER TO TRACK ENROLLMENT, TRANSFER, AND GRADUATION ACTIVITY AT YOUR CAMPUS & BEYOND

Office of Strategic Initiatives

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Student Pathways

- Access
  - Recruitment
  - Matriculation
  - Competition with other universities
- Success
  - Retention
  - Concurrent Enrollment
  - In-migration and Out-migration
  - Graduation
- Post Graduation
  - Continuing education

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What is Student Tracker?

- A research service from National Student Clearinghouse that provides continuing collegiate enrollment and degree information

- Provided for the following students
  - Current
  - Former
  - Former admission applicants

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What is Student Tracker (cont.)?

- More than 3,500 colleges and universities, enrolling over 98% of all students in U.S. institutions, participate in the Clearinghouse
- All types of postsecondary institutions nationally: two-year, four-year, public, private, trade school, vocational, etc.
- Data refreshed every 30-45 days
- Free if participate in free **Degree Verify** and **Enrollment Verify** services from NSC and report these additional data elements:
  - Class level
  - College ID
  - Major and/or CIP

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How Student Tracker Works

- Determine your specific search option

- Build research inquiry file based on provided format specifications

- Run the submitted file against Clearinghouse database

- Matches are compiled in a Student Tracker report

- Obtaining your research results from your clearinghouse secure FTP account

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Selecting a Research Question Query Type

QUERY POPULATION	NAME OF QUERY TYPE	POTENTIAL SEARCH DATE	CAN SUBMIT SSN?
Former Prospective Students Former applicants who did **not** enroll	Subsequent Enrollment for Prospective Students/Denied/ Declined Admissions (DA)	A date after the beginning of the term in which the student would have enrolled. Fall : YYYY0915 Spring: YYYY0115	No
Current Applicants Prior attendance of undergraduate and graduate school applicants	Prior Attendance for Pending Admissions (PA)	Start date of the admission term	No, once student is enrolled Yes, for pending applicants

Selecting a Research Question Query Type

QUERY POPULATION	NAME OF QUERY TYPE	POTENTIAL SEARCH DATE	CAN SUBMIT SSN?
Current Students Students currently enrolled at more than one institution (aka concurrent enrollment)	Subsequent Enrollment for Currently and/or Previously Enrolled Students/ Transfers Out (SE)	Enrollment reporting "freeze" date for term	No
Former Students Graduates, transfers, and/or withdrawals		One month after last day enrolled	No
Sibling/Parent Students Siblings or parents listed on financial aid documents as being enrolled in postsecondary education	Sibling/ Parent Enrollment (SB)	Fall semester date of current academic year (e.g., YYYY0915)	No
Longitudinal Cohort • Incoming freshmen or transfers cohort • Graduation and enrollment rates with transfer behavior • Voluntary System of Accountability	Cohort Query (CO)	A date after the beginning of the term in which the student enrolled for the first time. Fall : YYYY0915 Spring: YYYY0115	No

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▪ Step1: Enter Detail Row

		Record Type 2 characters		Middle Initial 1 character		Suffix 5 characters			Leave Blank 1 character		Branch Code 2 characters	
		SSN	First Name		Last Name		DOB	Search Begin Date[1]	School Code		Identifier Information (use period as separator)
	A	B	C	D	E	F	G	H	I	J	K	L
2	D1		John	A	Doe	Sr	19861003	20080501		001234	00	Student ID 1
3	D1		Paul	B	Smith		19860801	20080501		001234	00	Student ID 2
4	D1		Mary	C	Gray-Roberts		19870801	20080501		001234	00	Student ID 3
5	D1		Hector	D	Ricardo	III	19870702	20080501		001234	00	Student ID 4
6	D1		Tina	E	Wong		19860302	20080501		001234	00	Student ID 5

| | 20 characters | 20 characters | 8 characters | 8 characters | 6 characters | 50 characters (including separator) |

PENDING ADMISSIONS ONLY
9 characters

- ▪ Social Security Number (PA - Pending Admissions only)
- ▪ Requester Return Field-Institution Internal ID

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Data Preparation for Submission to Student Tracker

- ▪ **Step 2: Enter Header Row**

- ▪ **Step 3: Enter Trailer**

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Reports Returned from Student Tracker

- **Control Report**

    - Provides an overview of your Student Tracker inquiry results

- **Aggregate Report**

    - Summary of the "first" schools attended by the students based on the search date

- **Detail Report**

    - Detail report provides specific enrollment information and a graduation indicator

    - FERPA-blocked records do not appear in the detail report

Important Variable Overview

- **Important Variables in Detail Report**

Requester Return Field	Your Institution Unique ID
Record Found Y/N	Y=Record Found
Search Date	20120915
College Code/Branch	
2-year / 4-year	
Enrollment Begin	
Enrollment End	
Class Level	UG=F,S,J,R,C,N GR=M,D,P,L,G
Enrollment Status	F, H, L, A, W, D
Graduated Y/N	
Graduation Date	
Degree Title	
College Sequence	Identify first school of attendance

Caution

- No Students Will Be Found If-

  - Student attended a school that does not participate with the Clearinghouse
  - Student's record is in Clearinghouse database, but not within the search date.
  - Match could not be found with the information provided.
  - Student did not enroll in any other school.
  - Student Record is blocked by either reporting school or by the student.

Overview of Student Tracker Projects

- **Where 2012 Engineering Applicants Attended School**

  Population – 2012 Engineering Applicants

- **Preliminary Look at Retention Nationally**

  Population – First-time in College and Transfer Students

- **Degree Recipients Continuing their Education**

  Population - Degree Recipients

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Where 2012 Engineering Applicants Attended Schools

Population – 2012 Engineering Application Data

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- **Data - UT Austin 2012 Engineering Applicants:**

  - Student demographics

  - Residence status

  - SAT/ACT scores

  - Detailed admission decisions
    - Admitted
    - Admitted but withdrew application
    - Declined
    - Declined but offered CAP
    - Withdrew application prior to admission decision

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- Data returned from Student Tracker:
  - Search Option - DA Query for former Prospective Students
  - Search Date   - 20120915
  - Complete list of institutions applicants attended after 20120915
  - College Sequence =1

Requester Return Field	Search Date	College Code	College Name	2-year / 4-year	Public / Private	Enrollment Begin	Enrollment End	College Sequence
3658484	20120915	003658-00	UNIVERSITY OF TEXAS Austin	4	Public	20120823	20121212	1
3658484	20120915	003658-00	UNIVERSITY OF TEXAS Austin	4	Public	20120823	20121217	
3658484	20120915	003658-00	UNIVERSITY OF TEXAS Austin	4	Public	20130114	20130130	
3658484	20120915	008504-00	RICHLAND COLLEGE-DALLAS CC DISTRICT	2	Public	20130122	20130516	2
3658484	20120915	021002-00	BROOKHAVEN COLLEGE-DALLAS CC DISTRICT	2	Public	20130122	20130516	3

- Merge UT Austin Application Data and Student Tracker data together
  - Requester Return Field

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Match Rate

- **Table broken out by admission decision and residence status**

	Texas	Non-Resident	Foreign	Total
Admitted	0.94	0.94	0.72	0.92
Admitted but withdrew application	0.89	0.91	0.6	0.87
Declined and not offered CAP	0.86	0.9	0.58	0.75
Declined but offered CAP	0.92	--	0.63	0.91
Student withdrew prior to admission decesion	0.84	0.9	0.41	0.81

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Preliminary Look at Retention

Population – First-time in College and Transfer Students

Preliminary Look at Retention Nationally

- **Purpose – Student enrollment status over time at the home institution and/or nationally**

  - Data - Fall 2005 Cohort (CBM 001)
    – First-time in college and transfers
    – Both full-time and part-time
    – 9 UT system academic institutions

  - Data Returned from Student Tracker:
    – Search Option –SE query for currently/previously enrolled Students
    – Search Date   –20050915
    – Detailed record-level student data (items used)
      » Enrollment begin/end dates
      » Enrollment status
      » Institution type attended
      » College Code/Branch

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Match Rate

- ## **Student Tracker Match Rate**

Institution	Count	# Detail Report	Match Rate
UTA	7,265	3,921	54%
UT Austin	9,615	8,225	86%
UTB	1,455	1,388	95%
UTD	3,235	2,900	90%
UTEP	5,061	4,246	84%
UTPA	4,008	3,790	95%
UTPB	920	715	78%
UTSA	8,611	8,197	95%
UTT	2,016	1,780	88%

Institution	% FERPA Blocked on Last Enrollment File
UTA	7%
UT Austin	10%
UTB	0%
UTD	1%
UTEP	1%
UTPA	1%
UTPB	12%
UTSA	11%
UTT	0%

- UT Arlington – 2644 (36%) students blocked their records

1. Missing Data

- ## Handling Missing Data

- **14% (4,369/32,491) missing records for Fall 2005**
  - **Two Types:**
    - ❑ Record Found = No (obs= 2,165 7%)
      -Records blocked by students on detail report
      -NSC unable to match

    - ❑ Record Found = Yes (obs= 2,204 7%)

      -Withdraw before search date 20050915
      -Record can be found in later term

- ## Solution
  - Replace missing Student Tracker values with CBM001 data for all years, where available

2. Erroneous Data

- Enrollment begin date is prior to enrollment end date

Case	Record Found	Student ID	Search Date	Enrollment Begin	Enrollment End	Year Begin	Year End
1	N	36563372	20050915				
2	Y	36563372	20050915	20110824	20111213	2011	2011
3	Y	36563372	20050915	20120117	20120515	2012	2012
4	Y	36562263	20050915	20070530	20060815	2007	2006
5	Y	36562875	20050915	20081213	20090514	2008	2009
6	Y	3656484	20050915	20071214	20080508	2007	2008
7	Y	36563760	20050915	20101210	20101214	2010	2010
8	Y	36564112	20050915	20100119	20100119	2010	2010
9	Y	36565257	20050915	20070915	20081211	2007	2008
10	Y	36564453	20050915	20110408	20130531	2011	2013

3. Create Semester Field

- Split enrollment begin and end date into year, month, day
- Label Enrollment Status field to 'W' if days enrolled < 12

Case	Record Found	Student ID	Search Date	Enrollment Begin	Enrollment End	Year Begin	Year End	Month Begin	Month End	Days Enrolled	Enrollment Status	Class Level
1	N	36563372	20050915									
2	Y	36563372	20050915	20110824	20111213	2011	2011	8	12	112	F	L
3	Y	36563372	20050915	20120117	20120515	2012	2012	1	5	121	F	L
4	Y	36562263	20050915	20070530	20060815	2007	2006	5	8	78		
5	Y	36562875	20050915	20081213	20090514	2008	2009	12	5	154	H	R
6	Y	3656484	20050915	20071214	20080508	2007	2008	12	5	147	L	R
7	Y	36563760	20050915	20101210	20101214	2010	2010	12	12	5		F
8	Y	36564112	20050915	20100119	20100119	2010	2010	1	1	1	W	
9	Y	36565257	20050915	20070915	20081211	2007	2008	9	12	454		
10	Y	36564453	20050915	20110408	20130531	2011	2013	4	5	785		D

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3. Create Semester Field

Table1

Case	Record Found	Student ID	Search Date	Enrollment Begin	Enrollment End	Year Begin	Year End	Month Begin	Month End	Year 2/4
1	Y	36562875	20050915	20100821	20110524	2010	2011	8	5	4
1	Y	36562875	20050915	20100821	20101231	2010	2010	8	12	4
1	Y	36562875	20050915	20110101	20110524	2011	2011	1	5	4

Table 2

Case	Enrollment Begin	Enrollment End	Year Begin	Year End	Month Begin	Month End	Year 2/4	Term
1	20100821	20101231	2010	2010	8	12	4	2010Fall
1	20110101	20110524	2011	2011	1	5	4	2011Spr
1	20120621	20120815	2012	2012	6	8	4	2012Sumr
2	20080114	20080120	2008	2008	1	1	2	
3	20110324	20110430	2011	2011	3	4	2	2011Spr
3	20110501	20110823	2011	2011	5	8	2	2011Sumr
4	20110115	20110510	2011	2011	1	5	4	2011Spr
4	20110815	20111221	2011	2011	8	12	2	2011Fall

4. Create New Enrollment Status Field

Case	Enrollment Begin	Enrollment End	Enrollment Status	College Code	Home Inst	Year 2/4	Enrollment Status
1	20100621	20100815	H	003798-00	003658	4	Other4Year-H
1	20100821	20101231	H	003798-00	003658	4	Other4Year-H
1	20110101	20110524	H	003798-00	003658	4	Other4Year-H
2	~~20080114~~	~~20080120~~	~~2~~		~~003658~~	~~2~~	~~12 Class Day~~
3	20110324	20110430	W	003664-00	003658	2	Other2Year-W
3	20110501	20110823	W	003658-00	003658	2	Home W
4	20110115	20110510	F	003658-00	003658	4	Home F-Other4Year-H
4	~~20110310~~	~~20110530~~	~~H~~	~~039814-00~~	~~003658~~	4	
4	20110815	20111221	F	120150-00	003658	2	Other2Year F

- **Variables Needed**
  - **College Code, Home Inst**
  - **Year 2/4**
  - **Enrollment Status (Original)**

- **Example- Case 1 & 4**

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Narrow Down Enrollment Status

1. Home-F	61.Other2Year-F-Other4Year
2.Home-F-Home-H	62.Other2Year-F-Other4Year-F
3.Home-F-Home-H-Home-W-Other2Year-F	63.Other2Year-F-Other4Year-H
4.Home-F-Home-H-Home-W-Other2Year-H	64.Other2Year-F-Other4Year-W
5.Home-F-Home-H-Home-W-Other2Year-W	65.Other2Year-F-UTOther-F
6.Home-F-Other2Year	66.Other2Year-F-UTOther-H
7.Home-F-Other2Year-F	67.Other2Year-F-UTOther-W
8.Home-F-Other2Year-H	---
9.Home-F-Other2Year-H-Other4Year-F	121.Other4Year-H-UTOther-W
10.Home-F-Other2Year-H-Other4Year-H	122.Other4Year-Other4Year-F
11.Home-F-Other2Year-H-UTOther-H	123.Other4Year-Other4Year-H
12.Home-F-Other2Year-Other4Year-F	124.Other4Year-Other4Year-W
13.Home-F-Other2Year-Other4Year-H	125.Other4Year-UTOther-H
14.Home-F-Other2Year-UTOther-H	126.Other4Year-UTOther-W
16.Home-F-Other4Year	128.Other4Year-W-UTOther-F
17.Home-F-Other4Year-F	129.Other4Year-W-UTOther-H
18.Home-F-Other4Year-H	130.UTOther-F
19.Home-F-Other4Year-W	131.UTOther-F-UTOther-H
20.Home-F-UTOther-F	132.UTOther-H
22.Home-F-UTOther-W	134.Home-W
23.Home-H	135.Home-W-Misc-H
24.Home-H-Home-W-Other4Year-F-Other4Year-W	136.Home-W-Other2Year

Home-F
Home-F Concurrent
Home-H
Home-H Concurrent
Home-UTOther
Home-W
Home-W Other
Other2Year
UTOther-F
Other-W
Other4Year
Other2/4Year
UTOther-H
Misc

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Enrollment Status Definition

- **14 Values of Enrollment status**

Recoded Values	Definition
Home-F	Attending full-time at home institution
Home-F Concurrent	Attending full-time at home; + at another non-UT System institution
Home-H	Attending half-time at home institution
Home-H Concurrent	Attending half-time at home; + at another non-UT System institution
Home-UT Other	Attending home + another UT System institution
Home-W	Withdrew from home institution
UTOther-H	Attending another UT System institution half-time
Home-W Other	Withdrew from other UT System institution
Other-W	Withdrew from other non-UT System institution
Other2/4Year	Attending another 2 or 4 year institution
Other2Year	Attending another 2 year institution
Other4Year	Attending another 4 year institution
UTOther-F	Attending another UT System institution full-time
Misc	None Above

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Degree Recipients Continuing Their Education

Population - Degree Recipients

Degree Recipients Continuing Their Education

- **Data - Five Graduating Cohorts (CBM009)**
  - Students Graduated in AY2006-07 – AY2010-11

- **Data returned from Student Tracker**
  - Search Options – SE for graduates
  - Search Date – One month after Graduation date
  - Detailed record-level student data (items used)
    » Graduated_Y_N =Yes
    » Graduation Date
    » Degree titles

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Cleaning Data

- **Degree titles are not standardized across institutions**

JD	PHD	DIPLOMA	1. PROFFESIONAL
J.D.	PH D	PERFORMER'S DIPLOMA	2. DOCTOR
J D	DOCTOR OF PHILOSOPHY	TECHNICAL COMPETENCY AREA	3. MASTER'S
JURIS DOCTOR	DOCTOR OF PHILOSPHY	OHIO TRANSFER MODULE	4. BACCALAUREATE
JURIS DOCTORIS	MASTERS	NIH PREP	5. GRAD-LEVEL CERTIFICATE
JURIS DOCTOR IN LAW	MASTE	GRADUATE LICENSURE PROGRAM	6. ASSOCIATE
DOCTOR OF JURISPRUDENCE	M.S.	LICENSURE	7. CERTIFICATE
JURIS DOCTORATE	M S	FIELD OF STUDY	8. MISCELLANEOUS
DOCTOR OF LAW (JURIS DOCTOR)	MS	MARKETABLE SKILLS	9. UNKNOWN
JD-JURIS DOCTOR	MASTR	CORE CURRICULUM COMPLETER	
JURIS DOCTOR (LAW)	M S	ADV TECHNICAL/AAS+15-34 HRS	
JURIS DOCTOR (DOCTOR OF LAW)	MA	ARTIST DIPLOMA	

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SAS Code

- Import Detail Records:

http://nscresearchcenter.org/wp-content/uploads/ST_Detail_Records_Import.sas

- Degree Title Rename:

http://nscresearchcenter.org/wp-content/uploads/Degree_Title_Rename.sas

- Cohort Query:

http://nscresearchcenter.org/wp-content/uploads/Cohort_Query.sas

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Questions

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