

Student Academic Records Universe

Quick Reference Guide

EDW – STU – Academic Records

Who should use this Universe?

- Functional Offices interested in creating awarded degree, pending degree, graduation, GPA analysis reports for a group of students by degree or a term or list of terms.
- Academic Colleges and Departments who are interested in awarded degree, pending degree, graduation, GPA analysis reports for a group of students.
- Any other users/units who need to know basic biographic/demographic, GPA and graduation status of students.

What types of business questions can I answer in this universe?

- What is the number of students who were awarded degrees at UIUC in Liberal Arts & Sciences, Degree Status, and Graduation Term?
- Which students have a level GPA greater than 3.75 by Gender, Level GPA, Level GPA Code/Desc, Level GPA Type Indicator, Level GPA Earned Hours at UIS in LAS – History?
- What is the number of students by Calculated Class, AH Term Code, AH College and Department at UIC in Engineering (FQ)?
- Which Graduate Students are in Fine & Applied Arts – Art & Design by Full Name, Primary Degree Major, Primary Degree Academic Program Code/Name, Graduation Term?
- What is the Grade Distribution for ENGL101, Section Number, and CRN? (PLEASE NOTE: Banner CRNs with Grades will not be available until after Fall 2004 Academic History processing)
- Which students received Departmental and/or Institutional Degree Honors by Graduation Date, Degree Honor Code/Desc, Degree Honor Type/Desc in the School of Public Health in Spring 2005?

Universe Description

This universe enables users to create queries of academic history and transfer course work for UI students. The Academic Records universe is solely focused on the academic history and transfer course work of students. Queries can be created to list or count students based on degrees earned, courses and credit hours earned, grades or grade point averages, and credit earned at prior colleges. Additional data offered includes university or departmental honors, cohorts, student class (Freshman, Sophomore, etc.) and academic standing. The universe does not offer admissions or registration information.

The universe offers three classes (or groups) of objects (columns) that focus on the coursework that becomes a part of a student's academic history. Overall course work puts together test-based credit, transfer credit, and institutional credit in one convenient group of objects. While it puts all three types of academic course work together, the group also allows the user an easy way to list each type of credit individually. If you need more detailed information on institutional course work or transfer course work and the credit or grades earned, separate classes of objects offer access to each of these types of academic history. Transfer course work is entered into Darwin, which articulates it and loads this information into Banner. The EDW pulls transfer course information from Banner.

Derived elements are offered specific to UIC Undergraduate and Graduate colleges, which include deficit points (undergrad) degree GPA, degree academic standing, and degree deficit points (grad).

Data included in this Universe

- Offers Student Academic Records information including Calculated class, Academic Standing, Dean's List, Primary and Secondary Degree information, Campus and College Honors, Degree/Level/Term GPA, Transcript information, Course detail including accepted Transfer Course Work and Institutional Course work.
- Information included in this universe: Student Biographic/Demographic; Academic Term History; Academic Cohort; Degree and Degree Honors Information; Term/Level/Degree GPA information; Term/Level Transcript information; Overall/Institutional/Accepted Transfer Course Information; Course Grade Detail; Pending Degree Information
- For all three campuses, the EDW will capture history as far back as it exists in the legacy:
 - For UI-Direct (Urbana), the earliest converted term is 1929.
 - For ISIS3 (Chicago) the earliest converted term is 1947.
 - For ISIS (Springfield), the earliest converted term is 1970.
- Number of Academic Records converted by Campus are:
 - Urbana, 197,088 records for continuing UIUC general student records and 650,937 non-cont UIUC general student records – ONLY those students who were awarded a degree will have a Degree Record. For UIUC if a student was eligible to register Spring 2003 and greater, then the Transfer Course Work will appear in the Student Overall Course Work class with UI equivalencies.
 - Chicago, 118,481 continuing UIC general student records and 326,485 non-cont UIC general student records – ALL students who attended and received grades or a degree will have a Degree Record.
 - Springfield, 24,961 continuing UIS general student records and 68,328 non-cont UIS general student records. – ONLY those students who were awarded a degree will have a Degree Record.
- **PLEASE NOTE:** Each student may have multiple general student records which translates into ~ 32 million new rows introduced into the database in all person, academic history, degree, comments, high school, and prior college tables. In general, none of the non-continuing student records existed prior to this conversion, so all SPRIDEN and SPBPERS records were inserted for those students.
- Use the Transfer Course Work Information class (T_TFER_CRS) to report on a student's transfer work.
- When using Student Overall Course Work (T_STUDENT_OVERALL_CRS_DETL), please note that not all accepted/articulated course work will appear in the T_EQ_UI_CRS table which exists in the T_TFER_CRS table due to the business rules used during conversion from the legacy system to Banner. Therefore the course equivalencies will not appear in this table.
- If you are combining objects from classes (Student AH Term and Overall Course Detail) you must ALWAYS set a condition in your report where: AH Term Code EQUAL TO Overall Course Detail Term Code. This condition will prevent reporting erroneous and duplicated data.
- When using Student Overall Course Work (T_STUDENT_OVERALL_CRS_DETL), please note that only 10 years of course history is maintained in this table. If you want course history information older than 10 years, you must use the Student AH Course and Grade History tables (T_STUDENT_AH_CRS, T_STUDENT_AH_CRS_GRADE_HIST) for Institutional courses and/or UI Equivalent Courses (T_EQ_UI_CRS, T_TFER_CRS, T_TFER_INST) for Transfer courses.
- When using Student Overall Course Work (T_STUDENT_OVERALL_CRS_DETL), please note that this data is refreshed in the EDW ONLY one time a week on Sundays due to its size and load time.
- This universe is limited to a Student's Academic Records information. It does not combine information from other Student Increments
 - NO Recruiting and Admissions information (i.e., Recruit Contacts, Application Info, Admission Decisions, Test Scores, Prior High School/College, etc.)
 - NO Catalog and Schedule information (i.e., faculty/instructors by course/section, courses, Section Meeting times/location, etc.)
 - NO Financial Aid information (i.e., Awards by Term/Year, etc.)

Report Creation Tips

- When reporting lists of Students, **always** include the Confidentiality Indicator for FERPA restrictions
- If you want to exclude DECEASED student, you must include the Death Indicator = Y as a condition in your report.
- Institutional Course Detail indicates UI Course registrations only. Use this information if you are reporting on UI Course Work only. This is Term Based Information, so use this data only with Term based objects.
- When reporting on accepted Transfer course work from another institution, be sure to add Transfer Institution and Transfer Work Term as results. Students can have multiple transfer institutions, so including these objects will ensure that you will know where the Course work was transferred from. Transfer course work data is Person Based Information, and can be combined with Academic Degree History and Overall Course Detail.
- Overall Course Detail combines UI Institutional Course Detail, Transfer Course Detail, and Test Based Course Credit Detail by type (IN, TR, TB). This is Person Based Information, and can be combined with Academic Degree History and Overall Course Detail.
- In the EDW, the CRN for converted academic history will appear as CV001, CV002, etc. For Fall 2004 and later, the Course/Section information will correspond with the UI Catalog and Schedule by Campus.
- Including and after Fall 2004, the Course/Section information will correspond with the UI Catalog and Schedule by Campus Conversion Courses may appear with Course Reference Numbers (CRNs) like CV001, CV002, etc because there was not a way to “map” the old UI courses to the new UI courses.
- With the implementation of Catalog & Schedule and Registration increments into Banner and the EDW, ALL courses and sections were re-numbered, etc. For courses and sections prior to Fall 2004, various course information will be ‘blank’ in the EDW.
- To report on only those students with honors, you must set a condition to “Not Null” for Honor Code.
- Be specific when building a report that includes any of the three GPA types (Degree, Level, Term).
 - **DEGREE GPA** – The Degree GPA is being manually maintained by the UIC Graduation College. It is not applicable to UIS or UIUC.
 - **LEVEL GPA** – The cumulative GPA for a student by student level (i.e. 1U - UIUC Undergrad, 1G – UIUC Grad). The Level GPA is always current, and is associated with the Student Person. No term is associated with the Level GPA. **Always** include the LEVEL GPA INDICATOR as a result object or Condition (valid values = I - Institutional; O - Overall; T - Transfer) when reporting on Level GPA. **Always** include the LEVEL GPA CODE/DESC as a result object or condition.
 - **TERM GPA** – The term GPA for a student. Each term has its own value (i.e. Fall 2003 = 3.865, Spring 2004 = 2.995, Fall 2004 = 4.0). **Always** include the TERM GPA INDICATOR as a result object or Condition (valid values = I - Institutional; T - Transfer) when reporting on Term GPA. **Always** include the TERM GPA CODE/DESC and the TERM GPA TERM CODE/DESC as a result object or condition.
- Academic Records is a combination of Term vs. Person Information. This data collection does not function solely on Term as the previous Student Increments. However, including Terms (AH Term, Term GPA Term Code, Overall Course Term Code, etc.) as a condition in each report is necessary IF you combine Term Based and Person Based information. If you must combine AH Degree information with the AH Term information – **always** set a condition for the AH Term. Without this condition erroneous data or unwanted multiple rows in reports may appear.

- When reporting student grades, ALWAYS include the Course Id, Course Subject Code (MATH, ECE, etc), Course Number (100, 210, etc) and Course Reference Number (CRN) as result objects. Having these rows on your report will help you find the best grade for the student especially when the gradable section for a course has changed.
- Additionally when reporting student grades, in order to not return multiple rows, set a condition to Course Grade Code NOT IN LIST (DFR, NA). This will remove any deferred or not reported grades in your report. Of course if you want to know which sections still have deferred or not report grades then this condition will not work for your report
- When reporting student addresses, use the PREDEFINED FIELDS in the Universe to pull one address for your student. If the student does not have a MA, PR or RH Address Type Code then the columns will appear BLANK in your report.
 - With the implementation of the Directory Project, the existing Address/Telephone indicators were changed to provide three different options (Mailing Address Indicator, Permanent Address Indicator and Residence Hall Indicator). These indicators provide a hierarchy to allow users to pull one address per person. The address that will be reported using this structure will provide one current address and telephone number per student. If you use the below indicators then you may “loose” students if they do not have a MA, PR or RH address type.
 - **Mailing Address Indicator** – This indicator if equal to Y in the report will return the most current MA address but if NO current MA address is available, the most current PR (permanent) address will be returned. If NO MA or PR address is available, the most current RH (residence hall) will be returned. If NO MA, PR or RH address, the data will appear as ‘blank’.
 - **Permanent Address Indicator** - This indicator if equal to Y in the report will return the most current PR address but if NO current PR address is available, the most current MA (mailing) address will be returned. If NO PR or MA address is available, the most current RH (residence hall) will be returned. If NO PR, MA or RH address, the data will appear as ‘blank’.
 - **Residence Hall Address Indicator** - This indicator if equal to Y in the report will return the most current RH address but if NO current RH address is available, the most current MA (mailing) address will be returned. If NO RH or MA address is available, the most current PR (permanent) will be returned. If NO RH, MA or PR address, the data will appear as ‘blank’.
- Pending Degree Information
 - **Do NOT use PDL information past the Spring 2010 Graduation Certification.**
 - Pending Degree Information (PDL) is Person Based Information. Only combine PDL objects with the Student Person Class.
 - Not all students in the Academic Records data collection will have a PDL record. Therefore, blank rows may appear when using the PDL objects. Once a PDL is created in Banner, the EDW will populate this information.
 - This data collection has 1 Universe Context which is a combination of data that can be used together and ONLY together (1) PDL.
- Graduation Application Processing
 - For Summer 2010+, use the new Graduation Application Processing available via the Degree Information with a combination of the Degree and Graduation Statuses (T_STUDENT_AH_DEG_HIST).
 - Degree Status = SO with Graduation Status = AS: Application Submitted
 - Degree Status = SO with Graduation Status = IA Inactive Graduation Application

- Degree Status = PN with Graduation Status = AS: Application Re-Submitted
- Degree Status = PN with Graduation Status = CP: College Pending
- Degree Status = PN with Graduation Status = CR: College Review
- Degree Status = PN with Graduation Status = CT: College Certified
- Degree Status = PN with Graduation Status = IA: Inactive Graduation Application
- Degree Status = AW with Graduation Status = CT: College Certified
- Additional Graduation Application information is available in the Graduation Application Details class of the Universe. However, DS strongly suggests you use the Solution Library reports provided by campus for ease of reporting.
- Data will be populated in the EDW one day after the Banner “roll to academic history,” after the term is completed. For example, if the current term is Spring 2005, data for that term will be available AFTER the Spring 2005 term has completed.
- Due to the amount of data available in the Academic Records data collection, average run time for reports is 10 – 15 minutes.
- Net Id – Since the NETID table contains the id by domain, you may want to limit the domain in your report to ‘uiuc.edu’ or ‘uic.edu’, or ‘uis.edu’ in order to receive one row per person.
- Academic vs. Administrative College - The ACADEMIC College is the college associated with the student’s department of instruction or the college that the student will receive their degree. The ADMINISTRATIVE College is the college associated with the applicant/student’s admission college.
 - For example, for Undergraduate students their Academic College is the same as the Administrative College. For Graduate students their Administrative College is the Graduate College (i.e. KS for Urbana, FS for Chicago) but the Academic College is the college that the student will receive their degree.

Data Quality Advisories

- The NetID object may erroneously return multiple active NetIDs per domain. Only one NetID should be active per domain. The T_NETID table in the Data Warehouse that populates this object is not receiving updates through the AITS EAS system to populate changes to this data properly. Decision Support is working with AITS to address this issue.

Additional Universe Information

- Universe Metadata (including universe mappings and BO Hierarchy) available at <http://www.ds.uillinois.edu/web/Home/Metadata/UnivInfo.aspx>.
- View and use a sample report in the DS Query Clearinghouse. Sample reports are located under “Student > Academic Records” (<https://www.ds.uillinois.edu/reports/QCH/browse.aspx>). The reports from the Custom Lab series are listed as RTA Test Case 1-6. However, other reports are posted to this location can also be used as starter reports.
- Use the Student Universe Overall Reference Guide to see which Universe(s) is right for the reports you are looking to create: Recruiting & Admissions; Financial Aid; Pre-Registration & Registration; Catalog & Schedule; Registration Census; Academic Records
https://www.ds.uillinois.edu/asptest/projects/metadata/docs/Student_Overall_Univ_Ref.pdf