Tableau User Guide
Student Data Warehouse (SDW)

Carnegie Mellon University
University Registrar's Office

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Student Data & Systems Use Agreement

Applicable Systems

This agreement applies to all systems containing student data including, but not limited to, the Student Services Suite (S3 Admin Console and S3 Billing and Aging), Stellic (Academic Audit), Student Data Warehouse (SDW) via Tableau, PowerFAIDS (Financial Aid), StarRez (Housing and Dining), and CSGold (ID Cards).

Definitions

Definitions for these terms, and additional information on the Official Carnegie Mellon Data Security Policy are located at www.cmu.edu/policies/information-technology/information-security-policy.html.

Responsibility

It is your responsibility to comply with each of the following provisions:
- Maintain data confidentiality without exception;
- Acquire express permission from the Data Steward prior to sharing data with an external third-party;
- Never use portable storage devices to store or transfer student data;
- Immediately notify the University Registrar's Office should you become aware that a breach of confidentiality has occurred; and
- Adhere to Guidelines for Password Management: www.cmu.edu/iso/governance/guidelines/password-management.html.

Enforcement

Violations of this agreement may result in suspension or loss of use to the applicable systems with respect to Institutional Data and University owned Information Systems. Additional administrative sanctions may apply up to and including termination of employment or contractor status with the University. Civil, criminal and equitable remedies may apply.

Unauthorized release of restricted information will result in appropriate disciplinary action, including possible dismissal. All matters involving university employees will be reviewed with the Director of Human Resources and/or the Provost. Matters involving students will be reviewed with the Dean of Student Affairs. Matters involving individuals not affiliated with the university will be reviewed with the Office of General Counsel.

Applicable Laws & Provisions

All student data is protected under the following:
- Carnegie Mellon University's Policy on Student Privacy Rights detailed at www.cmu.edu/policies/student-and-student-life/privacy-rights-students.html;
- Family Education Rights and Privacy Act (FERPA);
- General Data Protection Regulation (GDPR); and
- Gramm-Leach-Bliley Act (GLBA).

What is Tableau?

Definition & License Information

Tableau is a data platform that allows users to run reports, design visualizations and create dashboards. Tableau is one of the fastest growing data visualization tools available, and it helps in simplifying data into a very easy-to-understand format.

There are three different types of licenses that determine what actions users are able to perform:
1. Viewer License
    - Ability to view and interact with published visualizations and dashboards
2. Explorer License
    - Ability to access and analyze data that is already published (by Creators)
    - Ability to build new workbooks using published data sources or start with existing workbooks and dashboards
3. Creator License
    - Ability to build analytical content, which includes the design and cleaning of data sources, as well as the creation of visualizations and dashboards

Data & Student Privacy

Tableau holds information copied from the Student Services Suite (S3) via the Student Data Warehouse (SDW) database. This data is refreshed each morning via a data feed from S3, around 6:00 am. Thus, data in Tableau is accurate as of that morning. Because Tableau is not live data, when S3 is down or unavailable, Tableau may still be accessed.

Please remember that all student data is covered under our University's privacy policy and FERPA. Student data may not be queried and disclosed/released to any third party. Your S3 Confidentiality Statement still applies to the appropriate use of student data.

You may not disclose any student data to a third party outside of Carnegie Mellon. Disclosure means "to permit access to or the release, transfer, or other communication of personally identifiable information contained in education records by any means, including oral, written, or electronic means, to any party except the party that created the record."
- All requests for student directory information must be directed to the University Registrar's Office (CMURegistrar@andrew.cmu.edu), whether it is an internal or external request.
- All requests for the use of student e-mail addresses for surveys and research must similarly be directed to the University Registrar (jp7p@andrew.cmu.edu).
- Data cannot be used as feeder files to other applications.

Note on Race/Ethnicity and Aggregate Data

Because students can declare more than one race/ethnicity, you should refer to the University Factbook (www.cmu.edu/ira/factbook/) or TartanDataSource (www.cmu.edu/ira/university-information/) for such data, as well as for aggregate data requests (enrollment numbers, demographic data, etc.) if for public release.

SDW Data

This section will discuss the internal structure of SDW.

Tables

SDW, like S3, is a relational database, with data is stored as data fields in interconnected tables.   A table is a collection of related fields.
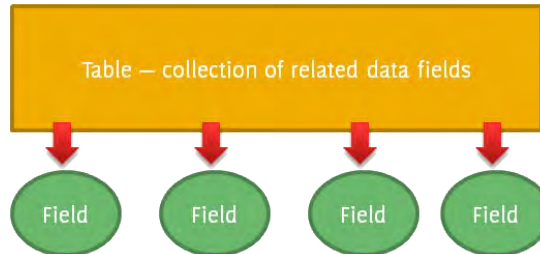
In the example above, the table might contain student biographical data, and the fields might be something like FIRST_NAME, LAST_NAME, ANDREW_ID, etc. We can call this table the student table and list its fields as STUDENT.FIRST_NAME, STUDENT.LAST_NAME, etc.

Note: In this documentation, all table and field names will be listed in capital letters, to distinguish them from regular text.

Rows

In a table, each person/entity has a set of values for each field in the table. This set of values is called a row.
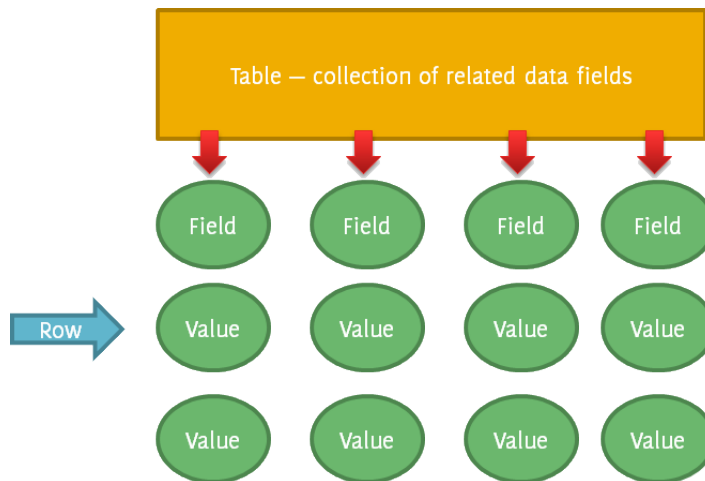
In our example of the student table, each student would have a row in the table.

Indexes

To identify a particular row, each table has a field or fields known as indexes.
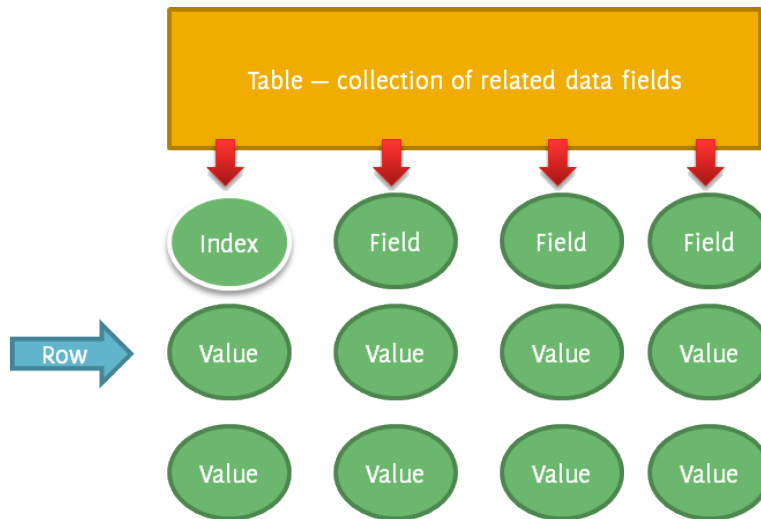
An index field identifies a row with a particular person or entity, depending on the nature of the table. For example, if it were a course-related table, the course number (COURSE_ID field in SDW) would be an index. All students in SDW are associated with a field called STUDENT_KEY, a number unrelated to Student ID or SSN which simply serves to identify a row for a particular student.

NOTE: A table may have more than one index. For example, if a table is related to both students and courses, it will be indexed on the student and the course (and possibly also the section number/letter). In such cases, it is not uncommon to find that a particular student/course has multiple rows.

Types of Tables

All tables in SDW can be classified as one of three types:
- Semester-Dependent: These tables hold data relative to a particular semester (such as the table called STUDENT_SEMESTER, in which each student has a row for each semester pertaining to their enrollment data   for that semester).
- Semester-Independent: These tables hold data that is not related to any particular semester. For instance, the table called student holds biographical data about students, completely unrelated to any particular semester.

Getting Started

Logging In
1. Go to https://tableau.andrew.cmu.edu
2. Log in using your Andrew ID and password & complete DUO authentication
3. Select site (if prompted) *Enrollment-University Registrar

Home Page
The home page gives you quick access to newly added favorites, recently visited views, and recommended content.

On the left-hand side of the main page, there is a navigational side bar that allows users to switch between the following screens: Home, Explore, Favorites and Recents.

The top right-hand corner has an icon to access My Account settings. This is where you can change your password, and (based on access) view projects, workbooks, views, data sources, alerts and subscriptions.

Navigating & Interacting with Content: Viewer & Explorer Licenses

Navigating Screens & Reports
To see all of the content you have access to across your Tableau site, from the navigation pane, click Explore. Your site role and permissions determine the content that you can see and the options that are available.

- Once you click Explore, the content-type menu defaults to Top-level Projects
- Content view mode can be changed to grid or list using the icon to the right

  - Content in grid view mode can be sorted alphabetically
  - Content in list mode can be sorted by the different column headers
- Projects are similar to folders, and can hold:
  - Nested Projects
  - Workbooks
- Using the Content Type drop-down allows you to select which type you want to see
- Once a workbook is open, you can see the Views available:
  - Text table (spreadsheet format)
  - Graph or chart

Running Reports
- Click on Explore on the left-hand side of the screen
- Click on a Project (folder) that holds the different reports
  - Canned Reports
  - College & Department Folders
  - Grade Reports (Access must be added)
- Select the report you would like to view
- Enter filters to generate a report

Useful Tools

- Comments – You can add comments and snapshots (useful for department administrators who share dashboards)
- Subscribe – You can subscribe to the dashboard and schedule updates (click Subscribe on the toolbar when in a workbook)
- Alerts – Alerts can be set by selecting on the data point you would like to be notified about (useful if a numerical amount hits a threshold you need to be aware of)
- Favorite – Click the star icon to set a workbook as a favorite

Exporting Reports

- Once filters are entered and the data for the report has been generated, you can export the report
- Click the 'Download' icon in the toolbar along the top of the screen
- Select the option for exporting (most common below):
  - Image
  - PDF
  - Crosstab (CSV Excel file)

Creating & Saving Workbooks (Explorer Licenses Only)

How to Search/Query for Data

A query is a defined search for data. Tableau users create and run queries in order to generate reports based on the type of data for which the query asks.

Query Terminology

- Columns — the data fields included in the output of a query. A field may be used both as a filter and a column.
- Filters — data fields which act as constraints on a query but which do not display in the query results

Questions to Ask Yourself when Creating Queries

1. What do I want to get?
- I want to see _____ such that _____.
  (students, courses, instructors, etc.)   (semester = x, final grade = y, etc.)
- I want to see _____ about these results.
  (name, Andrew ID, course number, etc.)

2. What type of data am I looking for in this query? Is it:
- Student-related
- Course-related

3. Where will I find this data?
- Which tables contain the information I need?
- Do I need add additional SEMESTER_ID filters? (Table joins)
- Is the data actually in SDW?

Some Commonly Used Tables

- STUDENT — Stores semester-independent data about students, such as biographical and admission data, as well as ANDREW_ID, PREFERRED_NAME, etc.
- STUDENT_SEMESTER — Stores semester-dependent data about student semester records, such as college, major, class, enrollment status, etc. for each semester a student has a record created.
- SCHEDULE — Stores student schedule data per semester.
  - This table has four index fields: STUDENT_KEY, SEMESTER_ID, COURSE_ID, and SECTION_ID. It also contains MID_SEMESTER_GRADE and FINAL_GRADE.
- STUDENT_MAJOR_MINOR — Stores semester-independent information about students' majors and minors.
  - This is where a student's majors and minors actually reside, along with the table DEGREE_AWARDED.
- SECTION — Stores data about each section of a course per semester.
- QPA — Stores student's QPA data per semester

Table Joins

A join between tables is a link created based on a common field, used as an index.
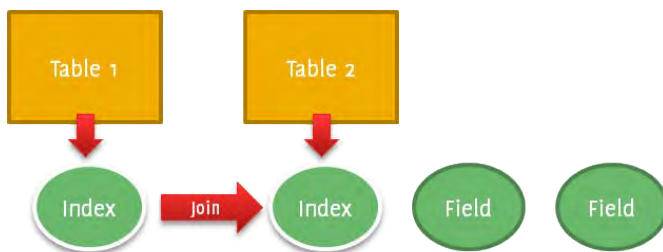
Ordinarily, <u>you will not have to make explicit joins</u> in your queries, as necessary joins are made behind the scenes automatically. For example:

- Wherever tables share a common index field (e.g. COURSE_ID, STUDENT_KEY), they are nearly always joined automatically.

However, there are some common cases where joins are not made automatically:

- Joining between two SEMESTER_ID fields not automatically joined.
  - Examples: SEMESTER_ID from SCHEDULE and STUDENT_SEMESTER; STUDENT_SEMESTER and DEGREE_AWARDED/STUDENT_MAJOR_MINOR.

NOTE: Although these tables all contain the STUDENT_KEY field, which is always automatically joined, they are not joined for their other common index field, SEMESTER_ID

- Joining between MAJOR_MINOR_ID from STUDENT_MAJOR_MINOR and STUDENT_SEMESTER.
  - When a student's semester record is created, the MAJOR_MINOR_ID field is copied from what is currently in STUDENT_MAJOR_MINOR. However, updating one of these two fields does not automatically update the other, so they may be out of sync. Additionally, there are some cases (e.g. for undeclared students) where there is no major translation in STUDENT_MAJOR_MINOR for a combination that is legal in the STUDENT_SEMESTER table.
  - Note, however, that MAJOR_MINOR_ID does join between STUDENT_SEMESTER and MAJOR_MINOR and between STUDENT_MAJOR_MINOR and MAJOR_MINOR.

- COURSE_RESERVATION_ID between COURSE_RESERVATION and SCHEDULE
  - In the SCHEDULE table, the COURSE_RESERVATION_ID field is typically not populated (i.e. it is usually blank), so joins on this field will typically fail.

Common Automatically Joined Fields

STUDENT_KEY
- The STUDENT_KEY field is a numeric field that uniquely identifies a student. It is unrelated to SSN/Student ID, Andrew ID, or Card ID, being assigned internally when a new student is added in S3. For this reason, it is often also called "Internal ID." It serves as an index field to join between student-related tables.
- The following tables all contain the STUDENT_KEY field and so are always automatically joined.

COURSE_DROP	COURSE_WAITLIST	DEGREE_AWARDED
GRADE_CHANGES	PARENT_GUARDIAN	PCHE_CROSS_REG
QPA	RANK	SCHEDULE
STUDENT	STUDENT_ADDRESS	STUDENT_ATHLETICS
STUDENT_MAJOR_MINOR	STUDENT_PHONE	STUDENT_RACE
STUDENT_REGISTRATION_HOLD	STUDENT_SEMESTER	
TRANSFER_CREDIT		

COURSE_ID/SECTION_ID
- The COURSE_ID and SECTION_ID fields are used to tie together course-related fields for a particular course/ section.
- Tables which include a COURSE_ID/SECTION_ID field shown in the table to the right:
- In general, all course-related tables (every table above other than TRANSFER_CREDIT) will join automatically to the section table, with the exception of the course table, which only joins to COURSE_SEMESTER.

Table	COURSE_ID	SECTION_ID
COURSE	x	
COURSE_DESCRIPTION	x	
COURSE_DROP	x	x
COURSE_PREREQ	x	
COURSE_PREREQ_SYNONYMS	x	
COURSE_PREREQ_TEXT	x	
COURSE_RESERVATION	x	x
COURSE_SEMESTER	x	
COURSE_WAITLIST	x	x
MEETING	x	x
SCHEDULE	x	x
SECTION	x	x
SECTION_INSTRUCTOR	x	x
TRANSFER_CREDIT *	x	

NOTE: While the TRANSFER_CREDIT table does join to the COURSE table, it does not generally interact well with tables other than STUDENT, given that the data in it is not related to actual courses a student has taken at Carnegie Mellon but merely courses for which a student has received credit. As such, it should not be used in conjunction with any of the tables on this list.

DEGREE_NO

Each degree entered for a student is identified by a DEGREE_NO, which represents the order in which the degrees were entered into S3. For example, a student's first degree would have DEGREE_NO = 1, the second would have DEGREE_NO = 2, and so on. It does not reflect the order in which a student completed each degree (or even the level of the degree), only the order in which they were entered.

DEGREE_NO is used to join the DEGREE_AWARDED table to the STUDENT_MAJOR_MINOR table. The join is automatic, but it may sometimes be useful to include DEGREE_NO as a Column (e.g., to help differentiate one degree from another when a student earned multiple degrees).

## DEGREE_AWARDED vs. STUDENT_MAJOR_MINOR

The following chart lists the fields in both DEGREE_AWARDED and STUDENT_MAJOR_MINOR:

- Each DEGREE_NO in DEGREE_AWARDED will match only one row in STUDENT_MAJOR_MINOR where MAJOR_MINOR_TYPE = 1 (primary major) and possibly other rows where MAJOR_MINOR_TYPE = 2 (additional major) or 3 (minor).
- In the case where a student is earning a dual degree, two separate DEGREE_AWARDED rows will exist, each with its own DEGREE_NO.
- SEMESTER_ID in STUDENT_MAJOR_MINOR refers to the semester for which the major

DEGREE_AWARDED	STUDENT_MAJOR_MINOR
STUDENT_KEY	STUDENT_KEY
DEGREE_NO	DEGREE_NO
SEMESTER_ID	SEMESTER_ID
DEGREE_ID	MAJOR_MINOR_TYPE
COLLEGE_ID	COLLEGE_ID
DEPARTMENT_ID	DEPARTMENT_ID
EXPECTED_GRADUATION_SEMESTER	MAJOR_MINOR_ID
DATE_DEGREE_AWARDED	
WITH_HONOR	
DATE_UPDATED	DATE_UPDATED
USER_UPDATED	USER_UPDATED
OVERALL_STATUS	STATUS
THESIS_ADVISOR	
TERMINAL_DEGREE	MAJORFILE_NAME

or minor was certified, such that an additional major or minor may be certified while the SEMESTER_ID in DEGREE_AWARDED is still blank (not yet certified). Certification status is shown by the status field in STUDENT_MAJOR_MINOR and OVERALL_STATUS in DEGREE_AWARDED.

The following chart illustrates how the two tables are linked to store degree/major information:

```
┌─────────────────────────────────────────────────────────────────────────────┐
│                            DEGREE_AWARDED                                     │
│  DEGREE_ID, COLLEGE_ID, DEPARTMENT_ID, OVERALL_STATUS, WITH_HONOR, DATE_DEGREE_AWARDED │
└─────────────────────────────────────────────────────────────────────────────┘

        ┌─────────────────────────────────────────────────────────────────┐
        │  MAJORS AND MINORS LINKED TO DEGREE_AWARDED by DEGREE_NO and STUDENT_KEY │
        └─────────────────────────────────────────────────────────────────┘
```

STUDENT_MAJOR_MINOR – Primary Major MAJOR_MINOR_TYPE = 1 (primary) COLLEGE_ID, DEPARTMENT_ID same as DEGREE_AWARDED MAJOR_MINOR_ID = major code; Status, MAJORFILE_NAME	STUDENT_MAJOR_MINOR – Additional Major (optional) MAJOR_MINOR_TYPE = 2; COLLEGE_ID, DEPARTMENT_ID, MAJOR_MINOR_ID for add'l major; status, MAJORFILE_NAME	STUDENT_MAJOR_MINOR - Minor (optional) MAJOR_MINOR_TYPE = 3; COLLEGE_ID, DEPARTMENT_ID, MAJOR_MINOR_ID for MINOR; STATUS, MAJORFILE_NAME

When Tables Are Not Automatically Joined

There are several common situations where you must use tables that are not automatically joined. Most of them involve the SEMESTER_ID field.

Each of the following tables contains a SEMESTER_ID field:

Student Enrollment/Courses	Student Degrees	Course Scheduling	Other
COURSE_DROP	DEGREE_AWARDED	COURSE_RESERVATION	SEMESTER
GRADE_CHANGES	STUDENT_MAJOR_MINOR	COURSE_SEMESTER	TRANSFER_CREDIT
QPA		COURSE_WAITLIST	
RANK		MEETING	
SCHEDULE		SECTION	
STUDENT_SEMESTER		SECTION_INSTRUCTOR	
		SISROOMS	

- In *Student Enrollment/Course* tables, SEMESTER_ID typically refers to the semester relative to that data. For example, querying from the schedule table where SEMESTER_ID exactly matches "S20" will return students' courses and grades from the Spring 2020 semester.
- In *Course Scheduling* tables, SEMESTER_ID typically refers to the semester in which a course is offered or taken. Course information that does not change per semester is stored in the COURSE table, which does not have a SEMESTER_ID field. All other data about courses is subject to change each semester. Classroom information stored in the SISROOMS table can also change.

Two Cases in Which SEMESTER_ID is Not Joined Between Tables:

1. Between all other tables and the degree-related tables DEGREE_AWARDED and STUDENT_MAJOR_MINOR. In these two tables, the SEMESTER_ID field refers to the semester of certification and so is blank until the degree/major/minor is certified.
2. Between any combination of the tables STUDENT_SEMESTER, SCHEDULE, and QPA. It is often necessary or desirable to query data from different semesters from these tables. For example, you may want to find a list of all students who are enrolled this semester and their semester QPA from the previous semester, or a list of all currently enrolled students who ever took a particular course. For this reason, SEMESTER_ID is not joined across these tables, so that these queries are possible.

What to Do

When running queries containing fields that are not automatically joined, you may need to include a filter for SEMESTER_ID from both tables.

Accessing Data Source

- Click Explore on left-hand side of Tableau home screen
- Click the project Data Sources
- Select the data source you would like to work from
  - ACADEMIC:
    - STUDENT – Student-related tables/fields (course info is tied to student's schedule)
    - COURSE – Course-related tables only (not tied to specific students)
  - Additional data sources depending on use/permissions
- You can try using the Ask Data feature (www.tableau.com/products/new-features/ask-data)
- Click New Workbook to start a new workbook within the selected data source
- Workbook screen layout to the right:
- More info on shelves and cards can be found on Tableau's website
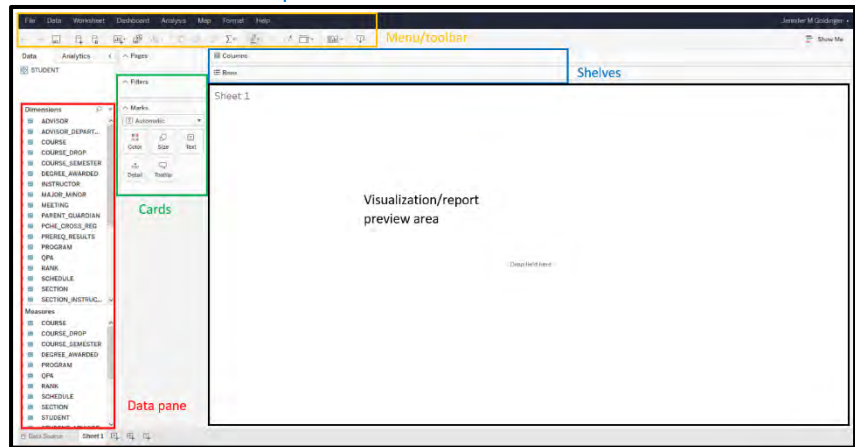
Dimensions vs. Measures

- Dimensions
  - Qualitative values (such as names and dates)
  - Can be used to categorize and segment data
  - Affect the level of detail in the view
- Measures
  - Numeric, quantitative values (QPA, units)
  - Can be aggregated
  - When a measure is applied to a view, Tableau applies an aggregation to that measure by default (ex: SUM)
  - To learn more about aggregation, visit the below link: https://help.tableau.com/current/pro/desktop/en-us/calculations_aggregation.htm#AggFuncs

Continuous vs. Discrete Variables

- Continuous
  - "Forming an unbroken whole without interruption"
  - Measurable and cannot be sorted (detail)
  - Becomes axis in a view
  - Is color-coded green
- Discrete
  - "Individually separate or distinct"
  - Countable and can be sorted (aggregate)
  - Becomes header in a view
  - Is color-coded blue
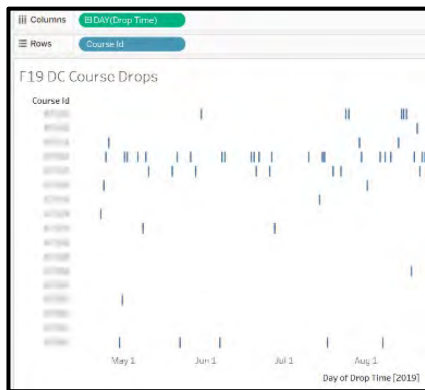
The day a course is dropped is marked on a chart, with the months laid out continuously as an axis.

The day a course is dropped is listed discretely, with the "Day of Drop Time" as a column header.

Filters & Columns/Rows

- **Important**: always add your filters first!
- Drag and drop fields to the Filters section
- Select how you would like the filter to appear (Multiple value dropdown or wildcard match are most common; Image of default settings to the right)
- Drag and drop fields to the Rows or Columns section (Rows will be most common/useful for Excel spreadsheets)
- Download report from the sheet, or you can move it to a dashboard
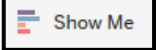
Worksheet   Dashboard

Views (Text Tables & Charts)

- When you click ⬛ Show Me , it will populate all of the visualization options available based on the data you have added
- Text tables will be the most commonly-used for standard reports (that can be pulled into Excel)
  - Data fields can be added to Rows and Columns sections
- To create a chart, you need to have one or more measures
  - Add filters, add discrete fields as rows, add continuous field as measure
  - Continuous field is automatically aggregated by SUM (change this to average, maximum or count depending on what you are looking for). Example below:
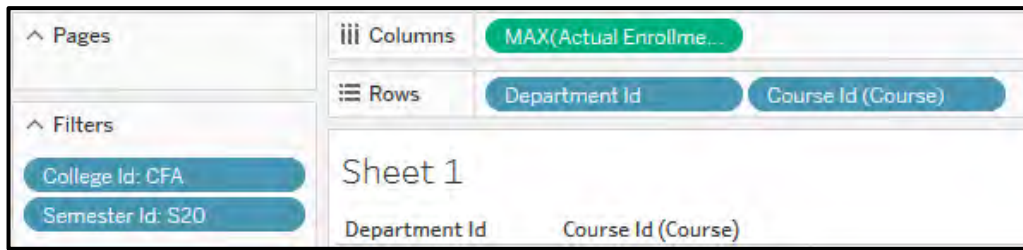
Saving Workbooks & Views

- You can give report a standard/unchanging title, or you can add your filters to the title so that it updates when filters are changed
- Double-click title then use the Insert drop-down to select filters (Example: SEMESTER_ID)
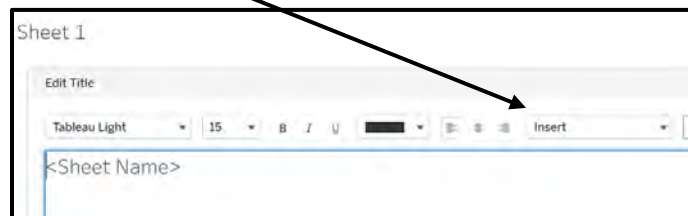
- Click the floppy-disk icon to save the report
- Save projects, workbooks and views to designated folder (there will be a folder/project for each college)
- If not already available, create a department folder, then add reports here (We are trying to move to departmental reports rather than specific user reports, to help with staff changes and to allow users with Viewer access to utilize saved department reports)
  - o Click Create then Project to create new folders

SDW Database Tables Guide

Tables Quick Reference

Table Name	Type *	Area(s)	Description/Notes
ADVISOR	SI	Faculty	Contains office and college affiliation information for advisors; for department affiliation, see ADVISOR_DEPARTMENT table.
ADVISOR_DEPARTMENT	SI	Faculty	Links an ADVISOR_ID from the ADVISOR table to a department.
COLLEGE	SI	General	Translates COLLEGE_ID for college codes; used independently and does not need to be joined to other tables.
COURSE	SI	Courses	Stores semester-independent course information. For course information relative to a specific semester, use COURSE_SEMESTER table. For courses linked to students, use SCHEDULE table.
COURSE_DROP	SD	Courses	Stores student course drop information per semester.
COURSE_PREREQ	SI	Courses	Stores course prerequisite/corequisite relations
COURSE_PREREQ_SYNONYMS	SI	Courses	Stores course prerequisite synonym relations
COURSE_PREREQ_TEXT	SI	Courses	Stores a simplified text string of course prereq relationships; does not account for multiple minimum grade requirements.
COURSE_PROFILE	SI	Courses	Stores course profile data per course, not stored by semester.
COURSE_RESERVATION	SD	Courses	Stores courses reservation information per semester.
COURSE_SEMESTER	SD	Courses	Stores course information for a specific semester.
COURSE_TAG	SI	Courses	Stores course tags per course; Courses with multiple tags will have multiple rows (one per tag).
COURSE_WAITLIST	SD	Courses	Stores course waitlist information per semester via STUDENT_KEY.
DEGREE_AWARDED	SI	Student	Stores primary degree information for students. See also STUDENT_MAJOR_MINOR table for additional majors and minors.
DEPARTMENT	SI	General	Translates DEPARTMENT_ID for college codes; used independently and does not need to be joined to other tables
GRADE_CHANGES	SD	Student, Courses	Stores information about grade changes.
INSTRUCTOR	SI	Faculty	Stores instructor name information per INSTRUCTOR_ID.
MAJOR_MINOR	SI	General, Student	Translates MAJOR_MINOR_ID; used independently and does not need to be joined to other tables
MEETING	SD	Courses	Stores course meeting time/location information per semester
PARENT_GUARDIAN	SI	Student	Stores student parent/guardian information per STUDENT_KEY
PCHE_CROSS_REG	SD	Student	Stores information about PCHE Cross Registration requests
PREREQ_RESULTS	SD	Courses, Student	Semester-based shows for a particular student, for a particular course-section whether or not they a) have met the prerequisites or corequisites and b) waitlisted or enrolled in the course; Note that courses with multiple corequisites the data may not be accurate at this time.
PROGRAM	SI	General, Student	Translates PROGRAM_ID for academic program codes. For programs linked to students, see STUDENT_SEMESTER table.
QPA	SD	Student	Semester-based QPA data per student. SEMESTER_ID field separate from STUDENT_SEMESTER table.
RANK	SI	Student	Stores students' class rank data per semester
SCHEDULE	SD	Courses, Student	SEMESTER_ID field separate from STUDENT_SEMESTER table.

Table Name	Type *	Area(s)	Description/Notes
SECTION	SD	Courses	Stores course section ID per semester via COURSE_ID and SECTION_ ID.
SECTION_INSTRUCTOR	SD	Courses, Faculty	Stores course section instructor information per semester via INSTRUCTOR_ID.
SEMESTER	SD	General	Gives general info about a semester, **not** related to specific students.
SISROOMS	SD	Courses	Stores room physical information per semester.
STUDENT	SI	Student	Stores semester-independent information about students via STUDENT_KEY, such as biographical and demographic information, as well as information collected from Admission such as high school and standardized test scores. For semester-dependent information, see STUDENT_SEMESTER table.
STUDENT_ADDRESS	SI	Student	Stores student address data via STUDENT_ID and ADDRESS_TYPE_ID. Each student may have multiple rows.
STUDENT_ATHLETICS	SI	Student	Stores student athletic affiliation information by linking STUDENT_ ID to ATHLETICS_ID. Each student may have multiple rows.
STUDENT_MAJOR_MINOR	SI	Student	Stores student major and minor information. Students with multiple majors/minors will have multiple rows, based on MAJOR_ MINOR_TYPE field (1 = primary major, 2 = additional major, 3 = minor).
STUDENT_PHONE	SI	Student	Stores student phone number information. International students may have PHONE field blank with number stored in FOREIGN_ PHONE field.
STUDENT_RACE	SI	Student	Links a student (from STUDENT table) to a RACE_ID. Note that students can declare more than one race/ethnicity, so they may have multiple rows. For accurate numbers, use the University Factbook.
STUDENT_REGISTRATION_HOLD	SI	Student	Stores student registration holds per semester.
STUDENT_SEMESTER	SD	Student Enrollment	Stores semester-dependent information per STUDENT_ID and SEMESTER_ID, such as college, department, and major, enrollment status, etc.
TRANSFER_CREDIT	SI	Student	Stores AP/transfer credit information for a student. DOES NOT STORE AP SCORES.

  * SI = semester-independent data table; SD = semester-dependent data table.

SDW Tables Guide

Terms
- Table — A collection of related data fields. (e.g. semester, major_minor, schedule, etc.)
- Field — A value-containing object in a table field. Also known as an item. (e.g. semester_id, major_minor_type, etc.)
- Index — An item in a table which serves to identify the row and is used to link that table to another. For example, "STUDENT KEY" is used to link the "STUDENT" table to the "STUDENT SEMESTER" table.
- Row — Conceptually, the collection of all data items in a table for a given index.

Table and Field Names
- All table names and field names are written in capital letters.
- To refer to a specific field within a specific table, the format TABLE.FIELD may be employed.
  - EXAMPLE: STUDENT.LAST_NAME, to refer to the LAST_NAME field within the STUDENT table.

Formats
- In the "Format" column of each table chart, the following format names are used:
- integer — a whole number (without decimals)
- floating — a floating-point numerical string (e.g. 12.000)
- allcaps — a string of characters, of variable length, that must be entered in all uppercase letters.
- lowerc — a string of characters that may include only numbers and lowercase letters.
- mixed — a string of characters, of variable length, that may be entered either in uppercase or lowercase letters.
- date — a date string, which must be entered in the format dd-mmm-yyyy (e.g. 15-apr-2020).
- xchar — where "x" is replaced with a number (i.e., 1char, 2char, etc.), specifies a typically short string that may be made of either letters or numbers, depending on context. The maximum length of the string is indicated by the number at the beginning. Important: Where letters are used, they must be in uppercase.
- SYY — A format used for semesters, where the S is replaced with the letter abbreviation for the semester (S= Spring, F= Fall, M= Summer-1/All, N= Summer-2) and YY is replaced with the last two digits of the year
  - EXAMPLE: S20 for Spring 2020

ADVISOR Table

The ADVISOR table stores information on academic advisors, their associated colleges, and their office information. To find an advisor's department affiliation, use the ADVISOR_DEPARTMENT table.

Field Name	Description	Format	Joined To (if any)
ADVISOR_ANDREW_ID	The advisor's Andrew ID	lowerc	
ADVISOR_ID	The advisor's internal ID number, similar to STUDENT_ KEY for students	integer	ADVISOR_DEPARTMENT, STUDENT_SEMESTER
ADVISOR_NAME	The advisor's full name	mixed	
ADVISING_LEVEL	Specifies whether the advisor is graduate-level (G) or undergraduate-level (U)	1char	
ASSOCIATE_DEAN	The name of the college's associate dean	mixed	
BUILDING_ID	Gives the building code for the advisor's office location. Please follow abbreviations found here: www.cmu.edu/hub/legend.html	allcaps	
COLLEGE	The full name of the college	mixed	
COLLEGE_ID	The three-letter code for the advisor's affiliated college	3char	COLLEGE
DEAN	The name of the college's dean	mixed	
PHONE	Gives the advisor's campus phone number, in standard xxx-xxxx format	8char	
ROOM_NUMBER	Gives the room number of the advisor's office location	5char	
URL	Optional field that gives an advisor's webpage address	mixed	

ADVISOR_DEPARTMENT Table

The ADVISOR_DEPARTMENT table connects advisors from the ADVISOR table to their respective departments. An advisor may be affiliated with multiple departments, which may cause multiple rows in this table.

Field Name	Description	Format	Joined To (if any)
ADVISOR_ID	The advisor's internal ID number, similar to STUDENT_ KEY for students	integer	ADVISOR, STUDENT_SEMESTER
DEPARTMENT_ID	The three-letter department code for the advisor's department affiliation	3char	DEPARTMENT

COLLEGE Table

The COLLEGE table contains information about colleges, translating the COLLEGE_ID field.

Field Name	Description	Format	Joined To (if any)
ASSOCIATE_DEAN	The name of the college's associate dean	mixed	
COLLEGE	The full name of the college	mixed	
COLLEGE_ID	Three-letter college code: CFA = College of Fine Arts, CIT = Carnegie Institute of Technology, CMU = Carnegie Mellon University, DC = Dietrich College, HC = Heinz College, MCS = Mellon College of Science, SCS = School of Computer Science, TSB = Tepper School of Business	3char	ADVISOR, COURSE, DEGREE_AWARDED, MAJOR_MINOR, STUDENT_MAJOR_MINOR, STUDENT_SEMESTER
DEAN	The name of the college's dean	mixed	
IS_CURRENT	States whether or not the college is still valid/current (Y/N)	1char	

COURSE Table

The COURSE table contains semester-independent information about courses. For semester-specific information about a course, you should use the COURSE_SEMESTER table.

Field Name	Description	Format	Joined To (if any)
ASSOCIATE_DEAN	The name of the college's associate dean	mixed	
BEGIN_SEMESTER	The first semester the course was offered	SYY	
COLLEGE	The full name of the college	mixed	
COLLEGE_ID	The college code of the department offering the course	3char	
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.); No hyphen is used	6char	COURSE_SEMESTER
COURSE_PREFIX	The two-digit number which forms the first part of the specific department's courses	2char	
COURSE_TYPE	Specifies the course type. Nearly always blank	1char	
DEAN	The name of the college's dean	mixed	
DEPARTMENT	The full name of the department	mixed	
DEPARTMENT_ID	The department code of the offering department	3char	
DEPARTMENT_PHONE	The department's phone number		
DEPARTMENT_STUDENT_DESCRIPTION	Name of department as displayed in student interfaces; this may be different than the DEPARTMENT field	mixed	
GRAD_UNDER	Specifies whether the course is graduate-level (G) or undergraduate-level (U)	1char	
LAST_OFFERED	The last semester the course was offered	SYY	

Field Name	Description	Format	Joined To (if any)
ROTATION	Specifies the course offering rotation: F = Fall; S = Spring; U = Summer; A = All; FS = Fall and Summer; FU = Fall and Summer; SU = Spring and Summer; I = Intermittent	allcaps	
SPECIAL_RESTRICTION	Whether or not there are any special restrictions on registration for the course (Y/N)	1char	
STUDENT_TITLE	Specifies if there is a student title? Typical value is N.	1char	
UNITS	The current default number of units for the course; note that this is a text field, not a numerical field.	4char	

COURSE_DROP Table

The COURSE_DROP table keeps track of courses a student has dropped per semester.

Field Name	Description	Format	Joined To (if any)
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used.	6char	SECTION
COURSE_RESERVATION_ID	Unique identifier for a COURSE_RESERVATION table row. May not be populated in this table.	integer	
DROP_REASON	Reason for dropping the course, given by the student: ACADM: Not doing well within this course. BCKUP: Course was a backup, got into class wanted. CNTNT: Course content not what I expected. MAJOR: Course no longer needed; change in major. NOANS: No reason given. OTHER: No specific reason. QUALT: Teaching quality did not meet expectations. RIGOR: Course rigor exceeded my expectations SCALE: Need to scale back to improve performance in other courses SCHCN: Sheduling conflict	5char	
DROP_TIME	Date/timestamp of when student dropped the course	date	
DROPPED_BY	The Andrew ID of the person who dropped the student from the course (often this is the student)	lowerc	
FINAL_GRADE	The student's final grade for the course, if dropped when final grades were submitted — may not be populated	2char	

Field Name	Description	Format	Joined To (if any)
GRAD_UNDER	Flag which specifies if the course is graduate (G) or undergraduate-level (U)	1char	
GRADE_OPTION	The student's grade option for the course (L = letter grade, M = mixed, P = pass/fail, O= audit)	1char	
MIDTERM_GRADE	The student's midterm grade for the course — may not be populated.	2char	
QPA_INCLUDE	Specifies whether the course should be included in the student's QPA calculations (e.g. for a graduate student taking an undergraduate course, this will be set to N for not included.)	1char	
REGISTERED_BY	Andrew ID of person who registered the student	lowerc	
REGISTRATION_TIME	Date/timestamp of when student registered for,course.	date	
SECTION_ID	References the course section (1,2, etc. for lectures; A, B, etc. for other sections; A1, A2, etc. for mini-courses).	2char	SECTION
SEMESTER_ID	Specifies the semester — does not sort chronologically	SYY	SECTION
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT
UNITS	Specifies number of units for which course was taken.	floating	

COURSE_PREREQ Table

The COURSE_PREREQ table holds the current prerequisite and corequisite relationships between courses.

Field Name	Description	Format	Joined To (if any)
COREQUISITE	States whether or not the course is a corequisite (Y/N)	1char	
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used. This is the course for which prerequisites/corequisites are being defined.	6char	COURSE
MODIFIED_DATE	Date this prerequisite relationship was last updated	date	
MODIFYING_USER	The Andrew ID of the user who made the last update. Note that these may be in all caps.	mixed	
OLEVEL	Number that enotes the group or hierarchy level for the prerequisite course. Multiple prerequisites with the same OLEVEL are in the same group.	integer	
MINIMUM_GRADE	The minimum grade required for the REQUIRED_ COURSE to count as a prerequisite. If this is D, there is no minimum grade, other than passing the course.	1char	

Field Name	Description	Format	Joined To (if any)
REQUIRED_COURSE	The course which is a prerequisite/corequisite for the course identified by COURSE_ID. Not joined to any other tables.	6char	
REQUIRED_COURSE_ TITLE	The title of the required course	allcaps	
TEMPLATE	Denotes the type of relationship: 1 — denotes a list with only one OLEVEL group, with all courses joined by AND relationships 2 — denotes a list with only one OLEVEL group, with all courses joined by OR relationships 3 — denotes a list with multiple olevels, with all OLEVEL groups joined by OR relationships and courses within each OLEVEL joined by AND relationships 4 — denotes a list with multiple olevels, with all OLEVEL groups joined by AND relationships and courses within each OLEVEL joined by OR relationships.	integer	

COURSE_PREREQ_SYNONYMS Table

The COURSE_PREREQ_SYNONYMS table shows which courses will count the same as another course for prerequisite purposes.

Field Name	Description	Format	Joined To (if any)
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used.	6char	COURSE
MODIFIED_DATE	The date this synonym relationship was last updated	date	
MODIFYING_USER	The Andrew ID of the user who made the last update. Note that these may be in all caps.	mixed	
SYNONYM_COURSE	The course which is a synonym for the course identified by COURSE_ID. Not joined to any other tables.	6char	
SYNONYM_LONG_TITLE	The long title for the SYNONYM_COURSE.	mixed	

COURSE_PREREQ_TEXT Table

The COURSE_PREREQ_TEXT table shows the text that displays in SIO to show the prerequisite relationships. While it does not show if there are multiple minimum grade requirements, it does parse out all the OLEVELs, etc.

Field Name	Description	Format	Joined To (if any)
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used.	6char	COURSE
MODIFIED_DATE	The date this prerequisite relationship was last updated	date	
MODIFYING_USER	The Andrew ID of the user who made the last update. Note that these may be in all caps.	mixed	
PREREQ_TEXT	Text string which lists out the prerequisites for the COURSE_ID	mixed	

COURSE_PROFILE Table

The COURSE_PROFILE table contains data found in the course profile section in the course summary screen in S3.

Field Name	Description	Format	Joined To (if any)
ASSESSMENT_ STRUCTURE	The structure for assessing the course.	mixed	
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used.	6char	COURSE
COURSE_GOALS	The goals of the course.	mixed	
COURSE_RELEVANCE	The relevance of the course to other topics.	mixed	
CREATE_DATE	The date that the data was first entered.	date	
CREATED_BY	The Andrew ID of the person who first entered the data.	lowerc	
EXTRA_TIME_ REQUIRED	Whether or not extra time is required outside course meeting times.	mixed	
KEY_TOPICS	The key topics of the course.	mixed	
LEARNING_RESOURCES	Resources available for students taking the course.	mixed	
PREREQUISITE_ KNOWLEDGE	Knowledge/skills students should have before taking the course; Not including prerequisite courses.	mixed	
UPDATE_DATE	Date the course profile was last updated.	date	
UPDATED_BY	Andrew ID of who last updated the course profile.	lowerc	

COURSE_RESERVATION Table

The COURSE_RESERVATION table holds information about course reservations. Each row represents a reservation based on a combination of any or all of the following: college, department, class level.

Field Name	Description	Format	Joined To (if any)
CLASS_DESCRIPTION	Full description of the class level (Doctoral as opposed to Doct)	mixed	
CLASS_ID	Class level code for the reservation (1 = freshman, 2 = sophomore, 3 = junior, 4 = senior, 5 = fifth year senior, 10 = master's, 20 = doctoral)	integer	CLASS
CLASS_SHORT_ DESCRIPTION	Shortened verision of the class level description (Soph as opposed to Sophomore)	mixed	
COLLEGE	The full name of the college	mixed	
COLLEGE_ID	The college code for the college with the reservation	3char	
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used.	6char	SECTION
COURSE_RESERVATION_ID	Unique identifier for a COURSE_RESERVATION table row.	integer	Identifier key for course reservations. **Often not populated in other tables.**
DEPARTMENT	The full name of the department	mixed	
DEPARTMENT_ID	The department code for the department with the reservation	3char	
DEPARTMENT_PHONE	The department's phone number	8char	
DEPARTMENT_ STUDENT_ DESCRIPTION	Name of department as displayed in student interfaces; this may be different than the DEPARTMENT field	mixed	
OCCUPIED_SEATS	The number of seats filled in the course	integer	
REMAINING_SEATS	The number of seats still available in the course	integer	
RESERVED_SEATS	The number of seats reserved	integer	
SECTION_ID	References the course section (1,2, etc. for lectures; A, B, etc. for other sections; A1, A2, etc. for mini-courses).	2char	SECTION
SEMESTER_ID	Specifies the semester — does not sort chronologically	SYY	SECTION

COURSE_SEMESTER Table

The COURSE_SEMESTER table holds semester-dependent information for courses.

Field Name	Description	Format	Joined To (if any)
ALLOW_DUP_REGISTRATION	Specified whether or not a student may register for this course twice (Y or N)	1char	
CATALOG	Specifies whether or not course is to be included in the Undergraduate Catalog (Y/N)	1char	
CATALOG_YEAR	The catalog year relevant to incoming students	4char	
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used.	6char	COURSE, SECTION
DEFAULT_UNITS	Default units for which the course is taken	floating	
DESCRIPTION	Course Description for the current semester	mixed	
GRADE_OPTION	Specifies the default grade option for a course (L = letter grade, M = mixed, P = pass/fail, O= audit)	1char	
LONG_TITLE	The course's "full" name, as opposed to the short version printed on transcripts, etc.	mixed	
OVERLOAD	Typically blank; set to N if students cannot use this course to overload.	1char	
REPEATABLE	Whether or not the course may be repeated (Y/N)	1char	
SEMESTER_BEGIN_DATE	The date the semester began or will begin	date	
SEMESTER_END_DATE	The date the semester ended or will end	date	
SEMESTER_FISCAL_DATE	A 5-digit string that refers to the fiscal date for the semester (ex: F10 is 20111, S11 is 20112).	5char	
SEMESTER_ID	Specifies the semester — does not sort chronologically	SYY	SECTION
SEMESTER_NAME	The name of the semester (ex: Fall 2019)	mixed	

COURSE_TAG Table

The COURSE_TAG table stores tags which have been associated with a course on the S3 course summary screen. There is one row per tag, so if a course has multiple tags there will be multiple rows.

Field Name	Description	Format	Joined To (if any)
COURSE ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used.	6char	COURSE
COURSE_TAG_NAME	The name of the tag attached to the course.	mixed	

COURSE_WAITLIST Table

The COURSE_WAITLIST table holds student waitlist information for courses per semester.

Field Name	Description	Format	Joined To (if any)
CONFIRM_DATE	Date student was confirmed for class. Will be blank if student was not added to class roster.	date	
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used.	6char	SECTION
COURSE_RESERVATION_ID	Unique identifier for a COURSE_RESERVATION table row.	integer	COURSE_DROP, SCHEDULE
OFF_DATE	Date student was removed from waitlist	date	
ON_DATE	Date student was put on waitlist	date	
RANK	Rank set by student for course (1 through 5) by preference (in the case of multiple waitlists per student).	integer	
REMOVED_BY	Andrew ID of user who removed student from waitlist. This can be a department administrator (the Andrew ID will typically be listed in ALL CAPS in this case) or the student (always in lowercase), if the student voluntarily dropped from the waitlist	lowerc or allcaps	
SECTION_ID	References the course section (1,2, etc. for lectures; A, B, etc. for other sections; A1, A2, etc. for mini- courses).	2char	SECTION
SEMESTER_ID	Specifies the semester — does not sort chronologically	SYY	SECTION
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT
WAITLISTED_BY	Andrew ID of user who put student on waitlist (almost always the same as the student, as they will use OLR to register)	lowerc	

DEGREE_AWARDED Table

The DEGREE_AWARDED table stores information about degrees students have earned or are expected to earn. It is not semester-dependent. The SEMESTER_ID field in this table refers to the semester a degree was awarded.

Field Name	Description	Format	Joined To (if any)
ASSOCIATE_DEAN	The name of the college's associate dean	mixed	
COLLEGE	The full name of the college.	mixed	
COLLEGE_ID	The college code associated with the degree.	3char	COLLEGE
DATE_DEGREE_ AWARDED	The date the degree was awarded.	date	
DATE_UPDATED	The date the degree information was last updated	date	
DEAN	The name of the college's dean	mixed	

Field Name	Description	Format	Joined To (if any)
DEGREE	The full name of the degree.	mixed	
DEGREE_ID	Abbreviation used to identify a degree. Common values are BS (Bachelor of Science), BA (Bachelor of Arts), BAC (Bachelor of Architecture), MS (Master of Science), PHD (Doctor of Philosophy).	allcaps	DEGREE
DEGREE_NO	The number of the degree earned. Students can earn more than one degree (i.e., DEGREE_NO =1 means the first degree a student has worked towards, DEGREE_ NO = 2 means the second, etc.)	integer	STUDENT_MAJOR_MINOR
DEPARTMENT	The full name of the department	mixed	
DEPARTMENT_ ADDRESS	The department's campus address.	mixed	
DEPARTMENT_ID	The department code associated with the degree	3char	DEPARTMENT
DEPARTMENT_PHONE	The department's phone number		
DEPARTMENT_ STUDENT_ DESCRIPTION	Name of department as displayed in student interfaces; this may be different than the DEPARTMENT field	mixed	
DIPLOMA_NAME	The student's name as printed on the diploma.	mixed	
DIPLOMA_TEMPLATE	Specifies the template used for the diploma. Template 1 are "Bachelor of X in M" degrees, where the major is not a part of the degree name (e.g. "Bachelor of Science"). Template 2 are "Bachelor of M" degrees, where the major is stated in the name of the degree (e.g. "Master of Public Management").	1char	
EXPECTED_ GRADUATION_ SEMESTER	The semester in which the student is expected to graduate. This may or may not be the same as STUDENT_SEMESTER.EXPECTED_ GRADUATION_SEMESTER, especially if the student has multiple degrees.	SYY	
POTENTIAL_COLLEGE_ HONORS	Whether or not a degree is tagged for potential college honors; Does not indicate if the honors were actually awarded	Y/N	
SEMESTER_ID	The semester in which the student earned the degree. If the student has not yet earned this degree, it will be blank. **This is NOT the same as the SEMESTER_ID in, e.g., the STUDENT_SEMESTER table.**	SYY	SEMESTER
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT

TERMINAL_DEGREE	Whether or not this is the highest degree a student can earn in the particular field (Y/N)	1char	
THESIS_ADVISOR	The name of the student's thesis advisor, if any.	mixed	
THESIS_REQUIRED	Whether or not a thesis must be entered before certifying the degree.	Y/N	
OVERALL_STATUS	The overall status of the degree: P = potential (may be graduating); IP = in progress (at least 80% certain the student will graduate); CT = certified (student has graduated).	2char	
USER_UPDATED	The Andrew ID of the user who last updated the degree information. Depending on user, may be entered in ALL CAPS or all lowercase.	lowerc or allcaps	
WITH_HONOR	Set to H if the student has received/is receiving University Honors. Is blank otherwise	1char	

DEPARTMENT Table

The department table translates the DEPARTMENT_ID field, the three-letter abbreviations for individual academic departments.

Field Name	Description	Format	Joined To (if any)
ADDRESS	The department's campus address	mixed	
COURSE_PREFIX	The two-digit number which forms the first part of the specific department's courses	2char	
DEPARTMENT	The full name of the department	mixed	
DEPARTMENT_ID	Abbreviation used to identify a department. Also called "department code."	3char	student-related tables, etc.
DEPARTMENT_ NUMBER	do not use		
IS_CURRENT	Specifies whether or not the department is still active (Y/N)	1char	
OIE_DEPT	Office of International Education code used for various reporting purposes.	integer	
PHONE	The department's phone number		
STUDENT_ DESCRIPTION	Name of department as displayed in student interfaces; this may be different than the DEPARTMENT field.	mixed	
URL	The department's website URL — may be blank.	mixed	

GRADE_CHANGES Table

The GRADE_CHANGES table holds information about changes to students' final grades. Please note that the current final grade for a student's course can be found in the SCHEDULE table.

Field Name	Description	Format	Joined To (if any)
AUTHORIZED_BY	The user ID or name of the person who authorized the grade change. This is often, but not always, the same as CHANGED_BY.	allcaps	
CHANGE_COMMENT	A short explanation of the reason for the change	mixed	
CHANGED_BY	The user ID of the person who changed the grade.	allcaps	
COURSE_ID	Course number of the course affected by the grade change. No hyphen is used.	6char	SECTION
DATE_TIME	The timestamp of when the change was entered.	date	
NEW_GRADE	The new grade for the course, after the change.	2char	
REASON_CODE	A one-character code that specifies the basic reason for the change. It may not be populated.	1char	
PRIOR_GRADE	The grade for the course prior to the grade change	2char	
SECTION_ID	References the course section (1,2, etc. for lectures; A, B, etc. for other sections; A1, A2, etc. for mini- courses). Note that lecture sections (1, 2, etc.) do not receive grades, so they should not appear in this table.	2char	SECTION
SEMESTER_ID	Specifies the semester in which the course was taken (not the semester in which the change occurred).	SYY	SECTION, SEMESTER
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT

INSTRUCTOR Table

The INSTRUCTOR table holds the names of instructors, each linked to an INSTRUCTOR_ID.

Field Name	Description	Format	Joined To (if any)
INSTRUCTOR_ID	Unique identifier for an instructor.	integer	
INSTRUCTOR_FIRST_NAME	The instructor's first name.	allcaps	
INSTRUCTOR_MIDDLE_NAME	The instructor's middle name (if any).	allcaps	
INSTRUCTOR_LAST_NAME	The instructor's last name.	allcaps	
INSTRUCTOR_TITLE	The instructor's title (Mr., Mrs., etc.)	allcaps	
INSTRUCTOR_SUFFIX	The instructor's name suffix (Jr., III, etc.)	allcaps	

Field Name	Description	Format	Joined To (if any)
INSTRUCTOR_MC_ FIRST_NAME	The instructor's first name.	mixed	
INSTRUCTOR_MC_ MIDDLE_ NAME	The instructor's middle name (if any)	mixed	
INSTRUCTOR_MC_LAST_NA ME	The instructor's last name	mixed	
INSTRUCTOR_ANDREW_ID	The instructor's Andrew ID	lowerc	
INSTRUCTOR_EMAIL_ DOMAIN	The domain of the instructor's e-mail address (andrew. cmu.edu or qatar.cmu.edu)	lowerc	

MAJOR_MINOR Table

The MAJOR_MINOR table is a translation for the MAJOR_MINOR_ID field, used to identify a particular major/minor. For majors/minors linked to specific students, use the STUDENT_SEMESTER table or STUDENT_MAJOR_MINOR table.

Field Name	Description	Format	Joined To (if any)
COLLEGE_ID	The three-letter college code of the major's home college	3char	COLLEGE
DEPARTMENT_ID	The department code of the major's home department	3char	DEPARTMENT
MAJOR_MINOR_ID	Abbreviation used to designate a particular major/ minor. Note that the same code can be used to identify both a major and a minor (see below).	allcaps	STUDENT_MAJOR_MINO R
MAJOR_MINOR_NAME	The full name of the major/minor	mixed	
IS_PRIMARY_MAJOR	States whether or not the MAJOR_MINOR_ID refers to a major that can be a primary major (Y/N).	1char	
IS_ALTERNATE_MAJOR	States whether or not the MAJOR_MINOR_ID refers to a major that can be an additional major (Y/N).	1char	
IS_MINOR	States whether or not the MAJOR_MINOR_ID refers to a minor. (Y/N) Some MAJOR_MINOR_IDs refer to both majors and minors.	1char	
CIP_CODE	The CIP code for the major, used for reporting. Based on definitions from http://nces.ed.gov/pubs2002/cip2000/. **Note:** This is a text field, even though the values all look like numbers.	7char	
CIP_TRANSLATION	The name of the major associated with the CIP code per IPEDS.	allcaps	

MEETING Table

The MEETING table holds information about individual course meeting times/locations per semester.
NOTE: Courses often have more than one row in this table, even per section.

Field Name	Description	Format	Joined To (if any)
BEGIN_TIME	The meeting begin time	time	
BUILDING	The building's full name	mixed	
BUILDING_ID	The building code for the course meeting location	4char	SISROOMS
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used.	6char	SECTION
DAY	The day code for the course meeting time (M = Monday, T = Tuesday, W = Wednesday, R = Thursday, F = Friday, S = Saturday, U = Sunday)	1char	
END_TIME	The meeting end time	time	
REGISTRAR_SCHEDULED	Specifies whether or not this room is a University Registrar's Office-controlled classroom (Y/N).	1char	
ROOM_NUMBER	The room number of the course meeting location (may include letters)	allcaps	
SECTION_ID	Specifies the section for which this meeting time applies.	2char	SECTION
SEMESTER_ID	Identifies the semester for which this meeting time applies.	SYY	SECTION

PARENT_GUARDIAN Table

The PARENT_GUARDIAN table holds biographical and address information about students' parents/guardians.

Field Name	Description	Format	Joined To (if any)
EMERGENCY_CONTACT	Shows whether or not a parent/guardian is an emergency contact (Y/N).	1char	
PG_CITY	The city of the parent/guardian's street address	allcaps	
PG_COUNTRY	The name of the country which is identified by the associated COUNTRY_ID	mixed	
PG_COUNTRY_ID	Two-letter country abbreviation for parent/guardian's address	2char	
PG_DAY_PHONE	Parent/guardian's daytime (work) phone number	10char	
PG_DEGREE	Degree listed for the parent or guardian: Bachelors (B), Masters (M), Doctorate (P for PhD).	1char	

Field Name	Description	Format	Joined To (if any)
PG_EMAIL	The e-mail address (if any) of the parent/guardian	mixed	
PG_EMPLOYER	Parent/guardian's employer (if any listed)	mixed	
PG_FIRST_NAME	The first name of the parent/guardian	allcaps	
PG_FOREIGN_PHONE	Used for parent/guardians who have non-US phone numbers	floating	
PG_LAST_NAME	The last name of the parent/guardian	allcaps	
PG_LINE1	The first line of the parent/guardian's street address	allcaps	
PG_LINE2	Second line of the parent/guardian's street address	mixed	
PG_MIDDLE_NAME	The middle name (if any) of the parent/guardian	allcaps	
PG_OCCUPATION	Parent/guardian's occupation (if any listed)	mixed	
PG_PHONE	Parent/guardian's phone number, including area code.	10char	
PG_POSTAL_CODE	Used for parent/guardians who have a non-US address in place of ZIP code.	allcaps	
PG_STATE_ID	The state abbreviation of the parent/guardian's street address	2char	
PG_SUFFIX	The parent/guardian's last name suffix (Jr., III, etc.) Typically blank	allcaps	
PG_TITLE	The parent/guardian's title (Mr., Mrs., etc). Typically blank.	allcaps	
PG_ZIP	ZIP code of the parent/guardian's street address	5char	
PG_ZIP_SUFFIX	ZIP code suffix (if any) of the parent/guardian's street address	4char	
RELATIONSHIP	Specifies the relationship between the student and parent/guardian (F = father, M = mother, B = sibling, S = spouse, G = guardian, A = aunt, U = uncle, O = other)	1char	
STUDENT_KEY	Unique identifier, used to link a parent or guardian to a student — **do NOT query on this field.**	integer	STUDENT

PCHE_CROSS_REG Table

The PCHE_CROSS_REG table stores information about PCHE Cross-Registration Requests. For the specific courses taken by PCHE students, see the schedule table.

Field Name	Description	Format	Joined To (if any)
APPROVED_DENIED	Shows the status (Denied, Pending, Approved) of the request. Note: Older data may have different values.	mixed	
DATE_ENTERED	The date the request was entered into S3.	date	

Field Name	Description	Format	Joined To (if any)
DATE_MAILED	The date the request was mailed to the other institution.	date	
DATE_RECEIVED	The date the request was received.	date	
DESCRIPTION	Either "Inc" for incoming students (from other institutions to Carnegie Mellon) or "Out" for outgoing students (from Carnegie Mellon to another university). Note: Older data may have different values.	mixed	
PCHE_CROSS_REG_ID	Unique identifier for the request.	integer	
SCHOOL	The home institution for incoming students, or the host school for outgoing students: ACC = Community College of Allegheny County; CAR = Carlow University; CHA = Chatham University; DUQ = Duquesne University; LAR = LaRoche College; PIT = University of Pittsburgh; PPC = Point Park University; RMU = Robert Morris University. NOTE: Older data may have different values.	mixed	
SEMESTER_ID	The semester the student is requesting to register as a PCHE Cross-registered student	SYY	SEMESTER
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT
USER_ID	The Andrew UserID of the person who processed the request.	mixed	

PREREQ_RESULTS Table

The PREREQ_RESULTS table shows for a given student, for a given course-section, whether or not they have met the prerequisites or corequisites.

Field Name	Description	Format	Joined To (if any)
AS_OF_DATE	The date that the data for this table was run	date	
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used.	6char	SECTION
PASSED_COREQ	Whether or not the student has met the corequisites; Note that for courses with multiple corequisites, this may not be accurate.	Y/N	
PASSED_PREREQ	Whether or not the student has met the prerequisites	Y/N	
REGISTERED_OR_ WAITLIST	Shows whether the student is registered or waitlisted for the course	allcaps	
SEMESTER_ID	The semester of the course-section	SYY	SECTION
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT

PROGRAM Table

The PROGRAM table translates the PROGRAM_ID field and stores information about various academic programs. Academic programs are different from majors and minors; they also involve tuition rates and other properties.

Field Name	Description	Format	Joined To (if any)
ASSESS_BUS_FEE	Whether or not students in the academic program are assessed a port authority fee (Y/N)	1char	
ASSESS_INSURANCE	Whether or not students in the academic program are assessed a health insurance fee (Y/N)	1char	
ASSESS_LATE_FEE	Whether or not students in the academic program are assessed a late payment fee (Y/N)	1char	
ASSESS_MEDIA_FEE	Whether or not students in the academic program are assessed a media fee (Y/N)	1char	
ASSESS_TECH_FEE	Whether or not students in the academic program are assessed a technology fee (Y/N)	1char	
CIP_CODE	The CIP code associated with the program, per http:// nces.ed.gov/. Note that this is a text field, not a numerical field.	7char	
CONTACT	The contact person for the particular academic program	allcaps	
CURRENCY	The default currency for students in the academic program	allcaps	
DELIVERY_METHOD	States whether instruction for students in the program is A (100% in-residence training), B (100% distance training), or C (50% distance training).	1char	
GL_ENTITY	Entity code for the program. This should match a student's ENTITY_ID.	2char	
IS_CURRENT	States whether or not the academic program code is still valid (Y/N)	1char	
LENGTH_OF_PROGRAM	States the number of weeks in the program. Note that this is a text field, not a numerical field.	3char	
PROGRAM_ CLASSIFICATION	States what type of degree is associated with the program: BR = Regular Bachelors; CM = Continuing Masters; DR = Doctoral; ND = Non-Degree; PM = Professional Masters; TM = Terminal Masters	2char	
PROGRAM_ID	Academic Program code, used to identify a particular academic program. Not the same as a major/minor.	3char	STUDENT_SEMESTER
PROGRAM_LEVEL	Specifies the level of the program: · DA Doctorate · MS Master · ND Non-Degree · P1 Post-Sec 1<2	2char	

	· P2 Post-Sec 2<4 · PB Post Bac · PH Ph.D. · PS Post-Sec · UG Bachelor		
PROGRAM_NAME	The academic program description	mixed	
PROGRAM_TYPE	Specifies the type of program: D = degree, N = non- degree, F = For-credit certificate	1char	
TEACHING_LOCATION_ID	The location of study for students in the academic program	mixed	TEACHING_LOCATION
TITLE_IV_ELIGIBILITY	Denotes whether or not students in the program are eligible for Title IV financial aid. Possible values are blank, Y, N. Note that at the current time most programs are blank for this field.	1char	
UNITS_TO_ COMPLETION	Number of units required to complete the program. Note: this is a text field, not a numerical field.	3char	

QPA Table

The QPA table holds semester and cumulative QPA data for students, linked to specific semesters. Be careful when using this field before final grades are due, as QPA may not be calculated yet. This table will typically be used for reviewing past semesters.

NOTE: QPA numbers are typically rounded to two decimal places.

Field Name	Description	Format	Joined To (if any)
CUMULATIVE_QPA	The student's cumulative QPA as of the specified semester.	floating	
CUMULATIVE_ QUALITY_POINTS	The student's total of quality points earned up to the specified semester	floating	
CUMULATIVE_UNITS_ CARRIED	The total number of units carried by the student as of the specified semester	floating	
CUMULATIVE_UNITS_ FACTORED	The total number of units considered units factorable as of the specified semester	floating	
CUMULATIVE_UNITS_ PASSED	The total number of units considered units passed as of the specified semester	floating	
CUMULATIVE_PASSED_APT RANS	The total number of units considered units passed as of the specified semester, including units from AP/ Transfer credit	7char	
MID_SEMESTER_QPA	The student's semester QPA based on mid-term grades. Be cautious using this field, as not all courses may have received a mid-term grade.	floating	
QPA_SCALE	The student's QPA scale. For undergraduates, this is 4. For some graduates, this is 4+	2char	
QPA_TYPE	The QPA Type: UG (undergraduate) or GR (graduate)	2char	

Field Name	Description	Format	Joined To (if any)
QUALITY_POINTS	The total number of quality points earned in the specified semester	floating	
SEMESTER_HOURS	do not use	floating	
SEMESTER_ID	Specifies the semester for QPA data.	SYY	SEMESTER
SEMESTER_QPA	The student's semester QPA for the specified semester	floating	
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT
UNITS_CARRIED	The number of units carried by the student in the specified semester.	floating	
UNITS_FACTOR	Students number of factorable units in the specified semester	floating	
UNITS_PASSED	Students number of passed units in the specified semester	floating	

RANK Table

The RANK table contains student rank-in-class information per semester.

NOTE: This table may not be up-to-date at this time.

Field Name	Description	Format	Joined To (if any)
ANDREW_ID	Student's Andrew ID	mixed	
ASSOCIATE_DEAN	The name of the college's associate dean	mixed	
CLASS_ID	Student's numeric class level for the given semester	integer	CLASS
COLLEGE	The full name of the college	mixed	
COLLEGE_ID	Student's primary college code for the given semester.	3char	COLLEGE
CUMULATIVE_QPA	Student's cumulative QPA for the given semester.	floating	
CUMULATIVE_QPA_ RANK_IN_ COLLEGE	Student's rank in college based on cumulative QPA for that semester	integer	
CUMULATIVE_QPA_ RANK_IN_ DEPT	Student's rank in department based on cumulative QPA for that semester.	integer	
DEAN	The name of the college's dean	mixed	
DEPARTMENT	The full name of the department	mixed	
DEPARTMENT_ ADDRESS	The department's campus address	mixed	
DEPARTMENT_ID	Student's primary department code for the given semester.	3char	DEPARTMENT
DEPARTMENT_PHONE	The department's phone number		
DEPARTMENT_ STUDENT_ DESCRIPTION	Name of department as displayed in student interfaces; this may be different than the DEPARTMENT field	mixed	
FIRST_NAME	Student's first name, uppercase.	mixed	

Field Name	Description	Format	Joined To (if any)
LAST_NAME	Student's last name, uppercase	mixed	
SEMESTER_ID	Specifies the semester for QPA data.	SYY	SEMESTER
SEMESTER_QPA	Student's semester QPA for the given semester	floating	
SEMESTER_QPA_RANK_IN_COLLEGE	Student's rank in college based on semester QPA	integer	
SEMESTER_QPA_RANK_IN_DEPT	Student's rank in department based on semester QPA	integer	
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT
TOTAL_STUDENTS_IN_COLLEGE	Total in the student's college for that semester	integer	
TOTAL_STUDENTS_IN_DEPT	Total in the student's department for that semester.	integer	

SCHEDULE Table

The SCHEDULE table holds information on the courses for which a student is registered per semester as well as grade information.

Field Name	Description	Format	Joined To (if any)
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used.	6char	SECTION
COURSE_RESERVATION_ID	Identifier for a COURSE_RESERVATION row; typically blank in this table.	integer	
CRS_QUALITY_POINTS	The number of quality points awarded for this course. This is calculated based upon final grade, so it will be zero until the course has a final grade.	floating	
DEFAULT_GRADE	The default grade to be assigned if the student does not resolve an incomplete grade within the time limit	2char	
FINAL_GRADE	The student's final grade in the course.	2char	
GRAD_UNDER	Specifies whether the course is a graduate (G) or undergraduate (U) course.	1char	
GRADE_OPTION	The student's grade option for the course (L = letter grade; P = pass/no pass; O = audit).	1char	
MID_SEMESTER_GRADE	The student's mid-semester grade for the course. Note that students may not receive a mid-semester grade for all courses, especially mini-courses.	2char	
QPA_INCLUDE	Specifies whether or not the course is to be included in the student's QPA (Y/N). Undergraduate courses do not count towards a graduate student's QPA.	1char	

Field Name	Description	Format	Joined To (if any)
REGISTERED_BY	The Andrew ID of the user who registered the student for the course. This is typically the student, since students can register themselves through Online Registration, but may be a department administrator.	lowerc or allcaps	
REGISTRATION_TIME	Date/time student became registered for the course.	date	
SECTION_ID	The section of the course for which the student is registered. Lectures are identified by numerical-only SECTION_IDs. If a course has a lecture, the student will have two rows for the course. Mini-course sections are comprised of a letter followed by a number which refers to the mini-semester in which it is offered.	2char	SECTION
SEMESTER_BEGIN_ DATE	The date the semester began or will begin.	date	
SEMESTER_END_DATE	The date the semester ended or will end.	date	
SEMESTER_ID	Specifies the semester for schedule data.	SYY	SECTION, SEMESTER
SEMESTER_NAME	The name of the semester (ex: Fall 2019)	mixed	
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT
UNITS	The number of units for which the student is registered in the course. May be different from the default units if the course is a variable-unit course.	floating	
FISCAL_DATE	A 5-digit string that refers to the fiscal date for the semester (ex: F10 is 20111, S11 is 20112).	5char	

SECTION Table

The SECTION table holds information about individual course sections per semester.

Field Name	Description	Format	Joined To (if any)
ACTUAL_ENROLLMENT	The number of students enrolled in the section	integer	
ALLOCATE_SEATS	States whether or not there are reservations for the course (Y/N). See COURSE_RESERVATION table	1char	
CHECK_CAPACITY	do not use		
CONFIRM	States if the section is confirmed to be taught (value C = confirmed or N = not confirmed). Students cannot be registered for courses that are not yet confirmed.	1char	
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used. Because courses can have multiple sections, each course can have several rows in this table.	6char	COURSE_DROP, COURSE_ RESERVATION, COURSE_SEMESTER, COURSE_WAITLIST, MEETING,

			SCHEDULE, SECTION_INSTRUCTOR
DELIVERY_MODE	Shows how the course is delivered (SYN = synchronous remote delivery; FSS = faculty-student same location; ASY = asynchronous remote delivery)	allcaps	
EVALUATE	Flag that shows whether or not the course will be evaluated with Faculty Course Evaluations (Y/N)	1char	
FINAL_EXAM	Flag that shows if the course is to have a final exam (Y or N)	1char	
MAXIMUM_ ENROLLMENT	The maximum number of students who may be enrolled for the section.	integer	
MEETINGS	do not use	1char	
MINI	Flag that shows whether or not the section is for a mini-course (Y or N).	1char	
OIE_CAMPUS	do not use		
REGISTRAR_ SCHEDULED	States if the section is being taught in a University Registrar's Office-controlled classroom (Y or N).	1char	
REQUIRED_SECTION	Used to specify a required lection section for, e.g., a recitation section. May be blank or the section number of the required lecture section.	2char	
SECTION_ID	Specifies the course section. Lectures are identified by numerical-only SECTION_IDs. Mini-course sections are comprised of a letter followed by a number which refers to the mini-semester in which it is offered.	2char	COURSE_DROP, COURSE_ RESERVATION, COURSE_SEMESTER, COURSE_WAITLIST, MEETING, SCHEDULE, SECTION_INSTRUCTOR
SECTION_TYPE	The section type: B = lab; L = lecture; R = recitation; S = studio; O = other	1char	
SEMESTER_ID	Specifies the semester for course/section.	SYY	COURSE_DROP, COURSE_ RESERVATION, COURSE_SEMESTER, COURSE_WAITLIST, MEETING, SCHEDULE, SEMESTER
SPECIAL_LONG_TITLE	The special (long) title of a course/section, if any.	mixed	
SPECIAL_TITLE	The special (short) title of a course/section, if any.	allcaps	
STATUS	do not use	1char	
STUDENT_PRESENCE_ REQUIRED	States whether student presence is required or not (Y/N)	1char	
TEACHING_LOCATION	The full name of the teaching location.	mixed	
TEACHING_LOCATION_ID	The code for the teaching location of the course.	allcaps	TEACHING_LOCATION

Field Name	Description	Format	Joined To (if any)
TITLE	The course's (short) title.	allcaps	
UNITS	The default number of units for the course.	floating	

SECTION_INSTRUCTOR Table

The SECTION_INSTRUCTOR table links an instructor to a section for a given semester.

Field Name	Description	Format	Joined To (if any)
COURSE_ID	Unique identifier, also called course number (as seen in the Schedule of Classes, etc.). No hyphen is used. Because courses can have multiple sections, each course can have several rows in this table.	6char	SECTION
INSTRUCTOR_ANDREW_ID	The instructor's Andrew ID	mixed	
INSTRUCTOR_ID	Specifies the instructor for the section. See INSTRUCTOR table.	integer	INSTRUCTOR
INSTRUCTOR_TYPE	Specifies the instructor type. This is a two-character code which consists of the section type letter (see SECTION table) and a number for the ordinal number of the instructor (that is, L1 for the primary instructor in a lecture, L2 for a secondary instructor, etc.).	2char	
SECTION_ID	Specifies the course section. Lectures are identified by numerical-only SECTION_IDs. Mini-course sections are comprised of a letter followed by a number which refers to the mini-semester in which it is offered.	2char	SECTION
SEMESTER_ID	Specifies the semester for which the instructor-section relationship holds.	SYY	SECTION

SEMESTER Table

The SEMESTER table holds various information about semesters, from past semesters through the current semester and some future semesters. It is data about the semester only, unrelated to any student data.

Field Name	Description	Format	Joined To (if any)
ADMIT_YEAR	The relevant admission year. This is a 4-digit string that comprises the last two digits of the two years of the academic year.	4char	
BEGIN_DATE	The date the semester began or will begin	date	
CATALOG_YEAR	The catalog year relevant to incoming students	4char	
DEGREE_AWARDED_DATE	Official degree award date for the semester.	date	
END_DATE	The date the semester ended or will end	date	

Field Name	Description	Format	Joined To (if any)
FINANCIAL_AID_YEAR	The financial aid year for that semester. Typically the same as FISCAL_YEAR	2char	
FISCAL_CENTURY	The fiscal century for the semester (i.e. 19 or 20).	2char	
FISCAL_DATE	A 5-digit string that refers to the fiscal date for the semester (ex: F10 is 20111, S11 is 20112).	5char	
FISCAL_SEMESTER	The fiscal semester associated with the academic semester. A single numeral.	1char	
FISCAL_YEAR	The fiscal year associated with the academic semester, listed as the last two digits of the second calendar year of a two-year academic year (i.e. 11 for the 2010- 2011 academic year).	2char	
SEMESTER_ID	Specifies the semester — does not sort chronologically	SYY	COURSE_SEMESTER, DEGREE_AWARDED, QPA, SCHEDULE, STUDENT_MAJOR_MINOR, STUDENT_SEMESTER
SEMESTER_NAME	The name of the semester (ex: Fall 2019)	mixed	

SISROOMS Table

The SISROOMS table holds information on classrooms per semester.

Field Name	Description	Format	Joined To (if any)
BUILDING	The name of the building	mixed	
BUILDING_NUMBER	A building identification number	2char	
BUILDING_ID	Building abbreviation code. See www.cmu.edu/hub/legend.html	4char	BUILDING, MEETING
REGISTRAR_SCHEDULED	Whether or not the classroom is controlled by the University Registrar's Office (Y/N)	1char	
ROOM_NUMBER	The room number for the classroom	5char	MEETING
SEMESTER_ID	The semester relevant to the information. Classroom information can change from semester to semester.	SYY	MEETING
STATION_TYPE	Code that specifies the type of seating.	1char	
STATIONS	The number of seats in the classroom.	integer	

STUDENT Table

The STUDENT table contains biographical data about students which is not dependent upon semester.

Field Name	Description	Format	Joined To (if any)
ACADEMIC_ AFFILIATION	Code that identifies a student with a particular academic program among the following: HSP = Humanities Scholars Program; HPM = Health Professions Program; LAW = Pre-Law Advising Program; QSS = Quantitative Social Science Scholars Program; SHS = Science and Humanities Scholars Program. Blank for most students.	3char	
ACT_COMPOSITE	ACT Composite score	3char	
ACT_MATH	ACT Math score	3char	
ACT_NATURAL_ SCIENCE	ACT Natural Science score	3char	
ACT_READING	ACT Reading score	3char	
ACT_SOCIAL_SCIENCE	ACT Social Science score	3char	
ACT_WRITING	ACT Writing score	3char	
ADMIT_STATUS	Student's admitted status	1char	
ALUMNI_RELATION	Lists relatives who are CMU alums (F = father, M = mother,B = sibling S = spouse, G = guardian, A = aunt, U = uncle, O = other), possible 3 characters total	3char	
ANDREW_ID	Student's Andrew ID	lowerc	
BIRTHDATE	Student's date of birth (dd-mmm-yyyy)	date	
CARD_ID	Student's Card ID number	9char	
CITIZENSHIP	Student's citizenship status (U = US citizen, P = permanent resident, N = non-US citizen)	1char	
CITIZENSHIP_COUNTRY	Three-letter code for student's country of citizenship	3char	
CITIZENSHIP_COUNTRY _NAME	The full name of the student's country of citizenship.	mixed	
CMARC	Indicates who is part of the Carnegie Mellon Resource Advising Center (CMARC) program	1char	
CMU_GRAD	Whether or not the student is a CMU graduate (Y/N)	1char	
COHORT	Do not use		
CURRENCY	The student's default currency	allcaps	
DIRECTORY	Directory info flag (Y = can be released, N = restricted)	1char	
EMAIL_DOMAIN	The domain of the student's e-mail address (andrew. cmu.edu or qatar.cmu.edu)	lowerc	
ENTITY_DESCRIPTION	Translation of ENTITY_ID field	mixed	
ENTITY_ID	Student's entity code (e.g. 01 for Pittsburgh)	2char	ENTITY

Field Name	Description	Format	Joined To (if any)
FIRST_ABSENTIA_SEMESTER	First semester spent as an ABD in absentia student	SYY	
FIRST_ADMIT_SEMESTER	First semester of admittance	SYY	
FIRST_ENROLLED_SEMESTER	First semester student was enrolled, may not be populated	SYY	
FIRST_GRADUATION_SEMESTER	First semester of graduation	SYY	
FIRST_NAME	Student's given name	allcaps	
FS_CODE	Foreign school code	1char	
HIGH_SCHOOL_ID	High school code number	6char	
HIGH_SCHOOL_NAME			
HS_QPA	Final QPA from high school	float	
HS_RANK	Rank in class from high school	integer	
HS_SENIOR_CLASS_SIZE	Size of high school senior class	integer	
LAST_ENROLLED_SEMESTER	Last semester student was enrolled, may not be accurate	SYY	
LAST_NAME	Student's family name	allcaps	
MARITAL	Student's marital status (M = married, S = single, D = divorced), not often populated	1char	
MC_FIRST_NAME	Mixed-case given name	mixed	
MC_LAST_NAME	Mixed-case family name	mixed	
MC_MIDDLE_NAME	Mixed-case middle name	mixed	
MIDDLE_NAME	Student's middle name	allcaps	
PREFERRED_NAME	The student's preferred name, as entered in SIO	mixed	
QPA_LAST_SEMESTER	Last semester for which the student has QPA data — does not contain QPA data.	SYY	
SAT_II_SUBJECT_SCORE1	SAT II score (2-digit subject code, then 3-digit score)	5char	
SAT_II_SUBJECT_SCORE2	SAT II score (2-digit subject code, then 3-digit score)	5char	
SAT_II_SUBJECT_SCORE3	SAT II score (2-digit subject code, then 3-digit score)	5char	
SAT_II_SUBJECT_SCORE4	SAT II score (2-digit subject code, then 3-digit score)	5char	
SAT_II_SUBJECT_SCORE5	SAT II score (2-digit subject code, then 3-digit score)	5char	
SAT_II_SUBJECT_SCORE6	SAT II score (2-digit subject code, then 3-digit score)	5char	
SAT_MATH	SAT Math score	3char	
SAT_READING	SAT Verbal/Reading score	3char	
SAT_WRITING	SAT Writing score	3char	
SEX	Student's sex (M = male, F = female)	1char	

Field Name	Description	Format	Joined To (if any)
SIS_LAST_SEMESTER	Last semester for which the student has an SIS record	SYY	
SIS_STATUS	Student's SIS status (S = student, F = faculty)	1char	
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT
STUDENT_MAILBOX_ CODE	Student's SMC box number	3char	
SUFFIX	Suffix (Jr./roman numeral/etc.), *not often populated*	allcaps	
TITLE	Title (Mr./Mrs/etc.), *not often populated*	allcaps	
TOEFL	Test of English as a Foreign Language (TOEFL) score	4char	
VETERAN_STATUS	Translation of the VETERAN_STATUS_ID field.	mixed	
VETERAN_STATUS_ID	Shows whether or not a student is eligible for Veterans' Education Benefits	1char	VETERAN_STATUS
VISA_TYPE	Translation of the VISA_TYPE_ID field.	mixed	
VISA_TYPE_ID	Visa type	2char	VISA_TYPE

STUDENT_ADDRESS Table

The STUDENT_ADDRESS table holds address information for students. Note that a student may have more than one row in this table.

Field Name	Description	Format	Joined To (if any)
ADDRESS_TYPE	Translation for ADDRESS_TYPE_ID	mixed	
ADDRESS_TYPE_ID	Numeric code which identifies a particular type of address. Examples: 1 = Permanent Address, 2 = Campus/Local Address, 5 = Diploma Mailing Address.	2char	
CITY	The city of the address	allcaps	
COUNTRY	The name of the country which is identified by the associated COUNTRY_ID	mixed	
COUNTRY_ID	The country code for the address	2char	
LINE1	The first line of the address (typically street address)	allcaps	
LINE2	The second line of the address (Apt. number, etc.)	allcaps	
POSTAL_CODE	Foreign postal code	mixed	
START_DATE	The date when the address begins being applicable.	date	
STATE	The name of the state which is identified by the associated STATE_ID	mixed	
STATE_ID	The state of the address.	2char	
STOP_DATE	The date when the address stops being applicable	date	
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT

Field Name	Description	Format	Joined To (if any)
ZIP	The zip code of the address	5char	
ZIP_SUFFIX	The zip code suffix (if any) of the address	4char	

STUDENT_ADVISOR Table

The STUDENT_ADVISOR table displays semester-based advisor information. Can be linked to the STUDENT_SEMESTER table by SEMESTER_ID.

Field Name	Description	Format	Joined To (if any)
ABLE_TO_CHANGE_ MAX_UNITS	Identifies if advisor is able to change the max units for a student (Y/N)	1char	
ADVISOR_ANDREW_ID	Advisor's Andrew ID	lowerc	
ADVISOR_KEY	Unique identifier for advisor	integer	
ADVISOR_NAME	Advisor's full name	mixed	
ADVISOR_TYPE	Short description of advisor type (Degree, Addl Major, Undeclared, Minor)	mixed	
DISPLAY ORDER	S3 display order of how advisors are listed (1, 2, 3)	integer	
PRIMARY_ADVISOR	Y/N if primary advisor	1char	
S3 DESCRIPTION	Description of advisor type (Primary, Secondary, Additional, Minor, Housefellow and if for an undeclared major)	mixed	
SEMESTER_ID	Specifies the semester — does not sort chronologically	SYY	STUDENT_SEMESTER
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT

STUDENT_ATHLETICS Table

The STUDENT_ATHLETICS table links a student to an athletics code from the athletics table. A student may have more than one row in this table, as students can participate in more than one sport.

Field Name	Description	Format	Joined To (if any)
ATHLETICS_ID	Do not use	1char	
SPORT1	The student's first sport	mixed	
SPORT1_CODE	The code for the student's first sport	1char	
SPORT2	The student's second sport	mixed	
SPORT2_CODE	The code for the student's second sport	1char	
SPORT3	The student's third sport	mixed	
SPORT3_CODE	The code for the student's third sport	1char	
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT

STUDENT_MAJOR_MINOR Table

The STUDENT_MAJOR_MINOR table holds major and minor information for students. This is not semester-based data.

Field Name	Description	Format	Joined To (if any)
ASSOCIATE_DEAN	The name of the college's associate dean.	mixed	
COLLEGE	The full name of the college	mixed	
COLLEGE_ID	The college code for the major/minor	3char	
DATE_UPDATED	The date the major/minor information was last updated	date	
DEAN	The name of the college's dean	mixed	
DEGREE_NO	The degree number relative to the major/minor. See DEGREE_AWARDED table.	integer	DEGREE_AWARDED
DEPARTMENT	The full name of the department	mixed	
DEPARTMENT_ ADDRESS	The department's campus address	mixed	
DEPARTMENT_ID	The department code for the major/minor.	3char	
DEPARTMENT_PHONE	The department's phone number	8char	
DEPARTMENT_ STUDENT_ DESCRIPTION	Name of department as displayed in student interfaces; this may be different than the DEPARTMENT field	mixed	
MAJOR_MINOR_ID	Abbreviation used to designate a particular major/ minor. Note that the same code can be used to identify both a major and a minor (see below).	allcaps	
MAJOR_MINOR_NAME	The full name of the major/minor	mixed	
MAJOR_MINOR_TYPE	The type of major/minor: 1 = primary major; 2 = additional major; 3 = minor.	1char	
MAJORFILE_NAME	The majorfile name (for academic audit purposes)	allcaps	
SEMESTER_ID	The semester in which the major/minor was certified. This field will be blank until the major/minor is certified and has nothing to do with the current semester.	SYY	SEMESTER
STATUS	The certification status of the major/minor: P = potential; IP = in progress; CT = certified	2char	
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	All student-related tables
USER_UPDATED	The Andrew ID of the person who last updated the major/minor information	lowerc or allcaps	

STUDENT_PHONE Table

The STUDENT_PHONE table holds student phone number information.

Field Name	Description	Format	Joined To (if any)
FOREIGN_PHONE	The student's non-US phone number (if applicable)	16char	
PHONE	The student's phone number	10char	
PHONE_TYPE	Description of the phone number type	mixed	
PHONE_TYPE_ID	Used to identify a particular type of phone number. See PHONE_TYPE table. 1 = Permanent Address; 2 = Campus/Local phone; 3 = Mailing Addr. (Admission); 4 = Residence; F = Non-US.	1char	
START_DATE	The date the phone number became applicable	date	
STOP_DATE	The date the phone number stops becoming applicable	date	
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT

STUDENT_RACE Table

The STUDENT_RACE table holds student race information.

NOTE: Students who declare more than one race/ethnicity will have more than one row in this table. For accurate numbers, use the University Factbook.

Field Name	Description	Format	Joined To (if any)
RACE	Translation of the RACE_ID code: A = Asian; B = Black; H = Hispanic; I = Indian; P = Pacific_Isl; U = Default; W = White	mixed	
RACE_ID	Identifies a particular race/ethnicity.	1char	
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT
UPDATE_DATE	The date the race data was updated	date	
UPDATE_ID	The Andrew ID of the user who updated the race data	lowerc	

STUDENT_REGISTRATION_HOLD Table

The STUDENT_REGISTRATION_HOLD table holds information about registration holds for students per semester.

Field Name	Description	Format	Joined To (if any)
REGIS_HOLD_ COMMENT	Comment regarding why hold was placed or conditions on the hold being lifted	mixed	
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT
OFF_DATE	The date the hold was removed (empty if hold was not removed)	date	
OFF_USER_ID	The Andrew ID of the user who removed the hold (empty if hold was not removed)	mixed	

Field Name	Description	Format	Joined To (if any)
ON_DATE	The date the hold was placed	date	
ON_USER_ID	The Andrew ID of the user who placed the hold	mixed	

STUDENT_SEMESTER Table

The STUDENT_SEMESTER table contains academic data about a student for a given semester.

Field Name	Description	Format	Joined To (if any)
ADVISOR_ANDREW_ID	The advisor's Andrew ID	lowerc	
ADVISOR_ID	The advisor's internal ID number, similar to STUDENT_ KEY for students.	9char	ADVISOR
ADVISOR_NAME	The advisor's full name.	mixed	
ASSOCIATE_DEAN	The name of the college's associate dean.	mixed	
CLASS_DESCRIPTION	Full description of the class level (Doctoral as opposed to Doct)	mixed	
CLASS_ID	Student's class level code (1 = first year, 2 = sophomore, 3 = junior, 4 = senior, 5 = 5th year student, 0 = misc, 10 = master's, 20 = doctoral)	integer	
CLASS_SHORT_ DESCRIPTION	Shortened verision of the class level description (Soph as opposed to Sophomore)	mixed	
CLEARED	(Financially) cleared flag (Y/N)	1char	
CLEARED_DATE	Date student was financially cleared (dd-mmm-yyyy)	date	
COLLEGE	The full name of the college.	mixed	
COLLEGE_ID	Student's three-letter home college code	3char	
DEAN	The name of the college's dean.	mixed	
DEANS_LIST	Dean's List flag (Y/N)	1char	
DEGREE	The full name of the degree.	mixed	
DEGREE_ID	Student's current primary degree (BS, BA, MS, PHD, etc)	allcaps	DEGREE
DEPARTMENT	The full name of the department	mixed	
DEPARTMENT_ ADDRESS	The department's campus address	mixed	
DEPARTMENT_ID	Student's home department code	3char	
DEPARTMENT_PHONE	The department's phone number		
DEPARTMENT_ STUDENT_ DESCRIPTION	Name of department as displayed in student interfaces; this may be different than the DEPARTMENT field	mixed	
DOLLAR_FTE	Do not use		
ENROLLMENT_DATE	Date student became officially enrolled (dd-mmm-yyyy)	date	
ENROLLMENT_ SEPARATED	The enrollment status indicates that the student is not an active student for that semester	Y/N	

Field Name	Description	Format	Joined To (if any)
ENROLLMENT_STATUS	The full name of the enrollment status.	mixed	
ENROLLMENT_STATUS_ID	Student's enrollment status code (E1, R1, R3, LA, AB, etc) for the semester	2char	
ENROLLMENT_STATUS _TYPE	OLR = "O"; DISCIPLINE = "D"; ADMIN = "A"; C = "C" (No longer used)	1char	
EXP_GRAD_DEGREE_ AWARDED_DATE	The student's expected graduation date	date	
EXP_GRAD_SEMESTER _FISCAL_DATE	The fiscal year of the student's expected graduation semester	4char	
EXP_GRAD_SEMESTER _NAME	The name of the expected graduation semester (ex: Spring 2020)	mixed	
EXPECTED_ GRADUATION_ SEMESTER	Expected semester of graduation	SYY	
PROGRAM_ID	Student's academic program code	3char	PROGRAM
FRATERNITY	The full name of the fraternity.	allcaps	
FRATERNITY_ID	Fraternity ID code. Typically uppercase.	mixed	
MAJOR_MINOR_ID	Student's primary major code	allcaps	
MAJOR_MINOR_NAME	The full name of the student's primary major.	mixed	
MAJORFILE_NAME	Student's Majorfile name (for academic audit)	mixed	
MAXIMUM_UNITS	Maximum units student is allowed to take; student must apply for overload to raise this limit	integer	
PROGRAM_ID	Student's academic program code	3char	
PROGRAM_NAME	The academic program description	mixed	
QPA_SCALE	QPA scale (4, 4+)	2char	
REGISTERED	Registered flag (Y/N)	1char	
REGISTERED_DATE	Date the student was registered in SIS (dd-mmm-yyyy)	date	
SEMESTER_BEGIN_ DATE	The date the semester began or will begin	date	
SEMESTER_END_DATE	The date the semester ended or will end	date	
SEMESTER_FISCAL_ DATE	A 5-digit string that refers to the fiscal date for the semester (ex: F10 is 20111, S11 is 20112).	5char	
SEMESTER_ID	Specifies the semester — does not sort chronologically	SYY	SEMESTER
SEMESTER_NAME	The name of the semester (ex: Fall 2019)	mixed	
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT
TUITION_CHARGED	No longer used		
TUITION_FULL_TIME	No longer used		
UNIT_FTE	Calculation between 0 to 1 that represents whether a student is full-time or part-time	float	
UNITS_CARRIED	Number of units carried for the semester	float	

TRANSFER_CREDIT Table

The TRANSFER_CREDIT table holds student AP/Transfer credit information; It does not have scores.

Field Name	Description	Format	Joined To (if any)
ADDED_BY	The Andrew ID of the person who added the credit.	mixed	
COURSE_ID	The course number of the CMU course for which the student is receiving credit (caution: not linked to any other tables).	6char	
CREDIT_TYPE	The type of credit (TR = transfer, AP = advanced placement)	2char	
DATE_APPLIED	The date which the credit was added for the student	date	
EXTERNAL_COURSE_ NAME	Where applicable, the name of the external course for which the student is receiving credit.	allcaps	
INSTITUTION	The institution from which the credit is being transferred. In the case of AP credit, this will state "ADVANCED PLACEMENT."	allcaps	
SEMESTER_ID	The semester in which the credit was applied (not always populated for older data)	SYY	
STUDENT_KEY	Unique identifier — do NOT query on this field.	integer	STUDENT
TITLE	The title of the Carnegie Mellon course for which the student is receiving credit.	allcaps	
UNITS	The units of credit being applied	floating	

Code Translations

College Codes (COLLEGE_ID)

COLLEGE_ID	Translation
CFA	College of Fine Arts
CIT	Carnegie Institute of Technology
CMU	Carnegie Mellon University-Wide Studies
DC	Dietrich College of H&SS
HC	Heinz College
MIS	Miscellaneous
MCS	Mellon College of Science
SCS	School of Computer Science
TSB	Tepper School of Business

Department Codes (DEPARTMENT_ID)

COLLEGE_ID	DEPARTMENT_ID	Translation	COURSE_PREFIX
HC	AEM	Arts & Entertainment Management	93
HC	AIT	Information Technology AUS: Sch of IS &	
	APE	Advanced Placement Early Admission	
CFA	ARC	Architecture	48
CFA	ART	Art	60
TSB	BA	Business Administration	70
CMU	BCA	Computer Science and Arts	62
CMU	BHA	Humanities and Arts	62
CIT	BMD	Biomedical Engineering	42
CMU	BSA	Science and Arts	62
MCS	BSC	Biological Sciences	03
	BXA	BXA Intercollege Degree Programs	52
CIT	C00	General CIT	
	CAR	Carlow College	
	CAS	Center for the Arts in Society	64
SCS	CB	Computational Biology	02
	CCA	Community College of Allegheny County	
CIT	CEE	Civil & Environmental Engineering	12
	CFA	CFA Interdisciplinary	62
	CHA	Chatham University	
CIT	CHE	Chemical Engineering	06
CIT	CIT	CIT Interdisciplinary	39
	CMU	Carnegie Mellon University-Wide Studies	99
MCS	CMY	Chemistry	09
	COR	Cornell University QATAR	

COLLEGE_ID	DEPARTMENT_ID	Translation	COURSE_PREFIX
SCS	CS	Computer Science	15
CFA	DES	Design	51
HC	DNA	Non Degree Australia	
CFA	DRA	Drama	54
	DUQ	Duquesne University	
CIT	ECE	Electrical & Computer Engineering	18
DC	ECO	Economics	73
DC	ENG	English	76
CIT	EPP	Engineering & Public Policy	19
CMU	ETC	Entertainment Technology Pittsburgh	53
CFA	F00	CFA Undeclared	
	FLM	Pittsburgh Filmmakers	
	GEO	Georgetown University Qatar	
DC	H00	General Dietrich College	65
	HC	Heinz College Wide Courses	94
SCS	HCI	Human-Computer Interaction	05
HC	HCP	Health Care Policy:Sch of Pub Pol & Mgt	
DC	HIS	History	79
DC	HSS	Dietrich College Interdisciplinary	66
TSB	IA	Tepper School of Business	45
TSB	IA3	Tepper School of Business Flex Time	
CIT	ICT	Information & Communication Technology	04
	IED	International Education	
CMU	III	Integrated Innovation Institute	49
CIT	INI	Information Networking Institute	14
HC	IPM	Information Security Plcy Mgt:Sch of IS	
DC	IPS	Institute for Politics and Strategy	84
	ISH	Dietrich College Information Systems	67
HC	ISM	Information Systems:Sch of IS & Mgt	95
SCS	ISR	Institute for Software Research	17
HC	ITM	Information Technology:Sch of IS & Mgt	
	LAR	LaRoche College	
SCS	LTI	Language Technologies Institute	11
MCS	M00	General MCS	
	MBT	Biotechnology Mgt:Sch of Pub Pol & Mgt	
MCS	MCS	MCS Interdisciplinary	38
HC	MED	Medical Management:Sch of Pub Pol & Mgt	92
CIT	MEG	Mechanical Engineering	24
	MIS	Miscellaneous	
DC	ML	Modern Languages	82
SCS	MLG	Machine Learning	10
MCS	MSC	Mathematical Sciences	21
CIT	MSE	Materials Science & Engineering	27
CFA	MUS	Music	57

COLLEGE_ID	DEPARTMENT_ID	Translation	COURSE_PREFIX
HC	NDH	Non Degree: Heinz College	
DC	NSI	Neuroscience Institute	86
	NVS	Naval Science - ROTC	32
	NWS	Northwestern University	
	OLR	Academic Dept Course Reservations	
	PE	Physical Education	69
DC	PHI	Philosophy	80
MCS	PHY	Physics	33
	PIT	University of Pittsburgh	
HC	PMP	Public Management:Sch of Pub Pol & Mgt	91
HC	PPA	Public Policy & Mgt AUS:Sch of Pub Pol &	
	PPC	Point Park College	
HC	PPP	Public Policy & Mgt:Sch of Pub Pol & Mgt	90
MIS	PRE	Summer Pre-College Program	
MIS	PRQ	Summer Pre-College Qatar	
DC	PSY	Psychology	85
	PTS	Pittsburgh Theological Seminary	
CMU	QBA	Qatar Business Administration	
CMU	QBS	Qatar Biological Sciences	
CMU	QCS	Qatar Computer Science	
CMU	QIS	Qatar Information Systems	
	RMU	Robert Morris University	
SCS	ROB	Robotics	16
SCS	SCS	SCS Interdisciplinary	07
MCS	SDC	Student-Defined Major MCS	
CFA	SDF	Student-Defined Major CFA	
TSB	SDI	Student-Defined Major TSB	
DC	SDM	Student-Defined Major DC	
SCS	SDP	Student-Defined Major SCS	
DC	SDS	Social & Decision Sciences	88
CIT	SDT	Student-Defined Major CIT	
CMU	SDU	Student-Defined Major CMU	
CMU	SHS	Science and Humanities Scholars	
MIS	SPC	Special	
DC	STA	Statistics and Data Science	36
	STU	StuCo (Student Led Courses)	98
	TEX	Texas A&M University QATAR	
	VCU	Virginia Commonwealth University QATAR	
	XRG	Cross-Registered	
SCS	Z00	General Computer Science	

Major Codes (MAJOR_MINOR_ID)

The following is a listing of all currently-active major codes. A major code may refer to a primary major, an additional major, a minor, or a combination of the three. They are identified in SDW by the MAJOR_MINOR_ID field. In the table below, an X appears in the applicable column(s) for each major to identify whether it can be used as a primary major, an additional major, or a minor.

CFA (College of Fine Arts)

ARC – Architecture

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
AAD	Advanced Architectural Design	X		
ARC	Architecture	X		X
ARCCM	Architecture-Engineering-Construction Management	X		
ARCDF	Architectural Design Fabrication			X
ARCH	Architectural and Building Sciences/Technology	X		
ARCHIS	Architecture History			X
ARTEC	Architectural Technology			X
ARV	Architectural Representation and Visualization			X
BLDSCI	Building Science			X
BPD	Building Performance and Diagnostics	X		
COMPDES	Computational Design	X		
MUD	Urban Design	X		
SUDES	Sustainable Design	X		
SUDESAD	Sustainable Design (Advanced Studies)	X		
SUDESAP	Sustainable Design (Applied Studies)	X		
TID	Tangible Interaction Design	X		

ART – Art

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ART	Art	X		X
MEDDES	Media Design			X

CFA – CFA Interdisciplinary

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
MUSTECH	Music Technology			X
PHOTO	Photography			X
THOTA	The History of the Arts			X

DES – Design

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
COMDES	Communication Design	X		
DES	Design	X		X
DESINT	Design for Interactions	X		
INTDES	Interaction Design	X		

DRA – Drama

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
COSDES	Costume Design	X		
COSPRO	Costume Production	X		
DIR	Directing	X		
DRA	Drama	X		X
DRAWRT	Dramatic Writing	X		
LTDES	Lighting Design	X		
PTM	Production Technology and Management	X		
SCNDES	Scene Design	X		
SOUNDDES	Sound Design	X		
STPRMGT	Stage and Production Management	X		
TECDIR	Technical Direction	X		
VMD	Video and Media Design	X		

MUS – Music

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
COLPIA	Collaborative Piano	X		
COMP	Composition	X		
COND	Conducting			X
MP	Music Performance			X
MPBAS	Music Performance (Bassoon)	X		
MPBP	Music Performance (Bagpipe)	X		
MPCEL	Music Performance (Cello)	X		
MPCLA	Music Performance (Clarinet)	X		
MPDB	Music Performance (Double Bass)	X		
MPEU	Music Performance (Euphonium)	X		
MPFLU	Music Performance (Flute)	X		
MPFRH	Music Performance (French Horn)	X		
MPGUI	Music Performance (Guitar)	X		
MPHARP	Music Performance (Harp)	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
MPOBO	Music Performance (Oboe)	X		
MPPER	Music Performance (Percussion)	X		
MPPIA	Music Performance (Piano)	X		
MPSAX	Music Performance (Saxophone)	X		
MPTRO	Music Performance (Trombone)	X		
MPTRU	Music Performance (Trumpet)	X		
MPTUBA	Music Performance (Tuba)	X		
MPVIO	Music Performance (Violin)	X		
MPVIOLA	Music Performance (Viola)	X		
MPVOI	Music Performance (Voice)	X		
MUS	Music	X		X
MUSCOM	Music (Composition)	X		
MUSCOMP	Music Composition	X		
MUSCOND	Music Conducting	X		
MUSDIR	Music Direction	X		
MUSED	Music Education	X		X
MUSICLGY	Musicology			X
MUSPERF	Music Performance	X		X
MUSTEC	Music and Technology	X		
MUSTHEOR	Music Theory			X
PBAS	Performance (Bassoon)	X		
PBP	Performance (Bagpipe)	X		
PCEL	Performance (Cello)	X		
PCLA	Performance (Clarinet)	X		
PDB	Performance (Double Bass)	X		
PEU	Performance (Euphonium)	X		
PFLU	Performance (Flute)	X		
PFRH	Performance (French Horn)	X		
PGUI	Performance (Guitar)	X		
PHARP	Performance (Harp)	X		
PIANMAIN	Piano Maintenance	X		
POBO	Performance (Oboe)	X		
PORG	Performance (Organ)	X		
PPERC	Performance (Percussion)	X		
PPIA	Performance (Piano)	X		
PPIACOMP	Performance (Piano and Composition)	X		
PSAX	Performance (Saxophone)	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
PTRO	Performance (Trombone)	X		
PTRU	Performance (Trumpet)	X		
PTUBA	Performance (Tuba)	X		
PVIO	Performance (Violin)	X		
PVIOLA	Performance (Viola)	X		
PVOI	Performance (Voice)	X		
SONICART	Sonic Arts			X
SOUNDDES	Sound Design			X

CIT (Carnegie Institute of Technology)

BMD – Biomedical Engineering

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
BMD	Biomedical Engineering	X	X	X
BMDEPP	Biomedical Engineering and Engineering and Public Policy	X		
BMDICS	Biomedical Engineering and Integrated Study in Computer Science	X		

CEE – Civil & Environmental Engineering

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
CEE	Civil and Environmental Engineering	X		
CEEAIS	Advanced Infrastructure Systems	X		
CEEEPP	Civil and Environmental Engineering and Engineering and Public Policy	X		
CEEICS	Civil & Environmental Engineering and Integrated Study in Computer Science	X		
CIV	Civil Engineering	X	X	
COMMECH	Computational Mechanics	X		
CSE	Computational Science and Engineering	X		
ENVENG	Environmental Engineering	X		
ENVMGTSC	Environmental Management and Science	X		

CHE – Chemical Engineering

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
CHE	Chemical Engineering	X	X	
CHECPS	Chemical Engineering and Colloids, Polymers and Surfaces	X		
CHEEPP	Chemical Engineering and Engineering and Public Policy	X		
CHEICS	Chemical Engineering and Integrated Study in Computer Science	X		
CPS	Colloids, Polymers and Surfaces	X		

CIT – CIT Interdisciplinary

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
AUTOCONT	Automation and Controls			X
CPS	Colloids, Polymers and Surfaces			X
ELM	Electronic Materials			X
ENGSTU	Engineering Studies			X
ENSCTEPO	Energy Science, Technology and Policy	X		
ESTPAS	Energy Science, Technology and Policy (Applied Studies)	X		
ESTPICS	Energy Science, Technology & Policy and Integrated Study in Computer Science	X		
ETIM	Engineering and Technology Innovation Management	X		
GE	Global Engineering			X
MBM	Mechanical Behavior of Materials			X

ECE – Electrical & Computer Engineering

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
AUDENGR	Audio Engineering			X
ECE	Electrical and Computer Engineering	X		
ECEICS	Electrical & Computer Engineering and Integrated Study in Computer Science	X		
SE	Software Engineering	X		
SEDM	Software Engineering - Development Management	X		
SEPM	Software Engineering – Program Management	X		

EPP – Engineering & Public Policy

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
EPP	Engineering and Public Policy	X	X	
EPPBMD	Engineering and Public Policy and Biomedical Engineering	X		
EPPCEE	Engineering and Public Policy and Civil and Environmental Engineering	X		
EPPCHE	Engineering and Public Policy and Chemical Engineering	X		
EPPCIV	Engineering and Public Policy and Civil Engineering	X		
EPPCMY	Engineering and Public Policy and Chemistry	X		
EPPECE	Engineering and Public Policy and Electrical and Computer Engineering	X		
EPPLIT	Engineering & Public Policy and Language & Information Technologies	X		
EPPMEG	Engineering and Public Policy and Mechanical Engineering	X		
EPPSTA	Engineering and Public Policy and Statistics	X		
STPP	Science, Technology and Public Policy		X	
TPEPP	Technology and Policy			X

ICT - Information & Communication Technology

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
INFTECH	Information Technology	X		

INI - Information Networking Institute

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
IN	Information Networking	X		
INFOSEC	Information Security	X		
ISTM	Information Security Technology and Management			
ITISEC	Information Technology - Information Security	X		
ITM	Information Technology - Mobility	X		
ITSW	Information Technology - Software Management	X		

MEG – Mechanical Engineering

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
COMPDSMF	Computational Design and Manufacturing	X		
MEG	Mechanical Engineering	X	X	
MEGAS	Mechanical Engineering – Advanced Study	X		
MEGBMDO	Mechanical Engineering – Biomedical Engineering	X		
MEGEPP	Mechanical Engineering and Engineering and Public Policy	X		
MEGRE	Mechanical Engineering – Research	X		

MSE – Materials Science & Engineering

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ADDMFG	Additive Manufacturing	X		X
CMSEICS	Computational Materials Science & Engineering and Integrated Study in Computer Science	X		
COMMSE	Computational Materials Science and Engineering	X		
MATSCI	Materials Science	X		
MSE	Materials Science and Engineering	X	X	X

CMU (Carnegie Mellon University)

BCA – Computer Science & Arts

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
CSA	Computer Science and Art	X		
CSARC	Computer Science and Architecture	X		
CSDES	Computer Science and Design	X		
CSDRA	Computer Science and Drama	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
CSDRASTU	Computer Science and Drama Studies			
CSMP	Computer Science and Music Performance	X		
CSMTECH	Computer Science and Music Technology	X		

BHA – Humanities & Arts

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
20CVC	20th Century Visual Culture	X		
AACS	Art and Applied Cultural Studies	X		
ABCS	Architectural, Behavioral and Cultural Studies	X		
AES	Architectural and European Studies	X		
AHBS	Architecture and Human Behavior Studies			X
AHDRA	American History and Drama	X		
AIES	Architecture and International Environmental Studies	X		
AIR	Architecture and International Relations	X		
AJS	Art and Japanese Studies	X		
AMCH	Architecture, Music Composition and History	X		
AMHDES	American History and Design	X		
ANTARC	Anthropology and Architecture	X		
ANTART	Anthropology and Art	X		
ANTDES	Anthropology and Design	X		
ANTDRA	Anthropology and Drama	X		
ANTHRMSC	Anthropology and Music	X		
ANTMP	Anthropology and Music Performance	X		
APE	Architecture, Philosophy and English	X		
APM	Architecture and Policy & Management	X		
APRP	Artistic Perception, Representation and Practice	X		
ARCANTPS	Architecture, Anthropology and Psychology	X		
ARCCOM	Architecture and Communication Design Studies	X		
ARCCS	Architecture and Cultural Studies	X		
ARCCW	Architecture and Creative Writing	X		
ARCENVPL	Architecture and Environmental Policy	X		
ARCHISAN	Architecture, History and Anthropology	X		
ARCHSPSY	Architecture, History and Psychology	X		
ARCPW	Architecture and Professional Writing	X		
ARCSLT	Architecture and Second Language Teaching (TESOL)	X		
ARCURST	Architecture and Urban Studies	X		
ARS	Art and Religious Studies	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ARTCNEV	Art, Consciousness and Environment	X		
ARTCW	Art and Creative Writing	X		
ARTCWGS	Art, Creative Writing & Gender Studies	X		
ARTDESCW	Art, Design and Creative Writing	X		
ARTENV	Art and Environmental Studies	X		
ARTHH	Architectural Studies, Anthropology and History	X		
ARTMOD	Art and Modern Languages	X		
ARTMST	Art and Media Studies	X		
ARTPC	Art and Perception & Culture	X		
ARTPSY	Art and Psychology	X		
ARTRUSST	Art and Russian Studies	X		
ARTSOHIS	Art and Social History	X		
ARTVSOC	Art and Visual Sociology	X		
ASCA	Architectural Studies and Cultural Anthropology	X		
ASMVC	American Studies & Material and Visual Culture	X		
AVMPFM	Architectural Visualization, Music Performance, and Film Media	X		
BEPOMP	Behavioral Economics, Policy & Organizations and Music Performance	X		
BHA	Humanities & Arts	X		
CAAR	Communication Arts and Anthropology & Religion	X		
CCCD	Cross Cultural Communications and Communication Design	X		
CCCMHC	Cross-Cultural Communication and Music History & Culture	X		
CDCW	Communication Design and Creative Writing	X		
CDENG	Communication Design and English	X		
CDPM	Communication Design and Policy & Management	X		
CDS	Cognitive Science and Drama	X		
CDSH	Communication Design and Social History	X		
CGSART	Cognitive Science and Art	X		
CGSDES	Cognitive Science and Design	X		
CGSMP	Cognitive Science and Music Performance	X		
CHINEART	Chinese Studies and Art	X		
CMDESSPN	Communication Design and Spanish	X		
CMDM	Contemporary Music, Drama and Media Studies	X		
CNMP	Cognitive Neuroscience and Music Performance	X		
COGARC	Cognitive Science and Architecture	X		
COGNEART	Cognitive Neuroscience and Art	X		
COGNEDES	Cognitive Neuroscience and Design	X		
COGPSYC	Cognitive Psychology and Cello	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
COMDESPS	Communication Design and Psychology	X		
COMDLS	Communication Design and Literary Studies	X		
CPWA	Creative and Professional Writing & Art	X		
CREXP	Creative Expression	X		
CRMDAMCT	Creative Media and American Culture	X		
CRVISART	Creative Writing and Visual Art	X		
CRWBA	Creative Writing and Book Arts	X		
CSAA	Cultural Studies and Art	X		
CSCD	Cognitive Science and Communication Design	X		
CTASSCPR	Aesthetics, Culture and Social Process	X		
CU	Creative Urbanism	X		
CULANTAR	Cultural Anthropology and Architecture	X		
CWA	Creative Writing and Art	X		
CWARC	Creative Writing and Architecture	X		
CWCD	Creative Writing and Communication Design	X		
CWDES	Creative Writing and Design	X		
CWDRA	Creative Writing and Drama	X		
CWFART	Creative Writing and Fine Arts	X		
CWGSART	Creative Writing, Gender Studies and Art	X		
CWJRNDRA	Creative Writing & Journalism and Drama	X		
CWMC	Creative Writing and Music Composition	X		
CWMP	Creative Writing and Music Performance	X		
CWMTECH	Creative Writing and Music Technology	X		
DALD	Drama Aided Learning and Development	X		
DCPW	Drama and Creative & Professional Writing	X		
DECSCMP	Decision Science and Music Performance	X		
DEL	Drama and English Literature	X		
DES	Design	X		
DESANT	Design and Anthropology	X		
DESJAP	Design and Japanese Language	X		
DESJPNS	Design and Japanese	X		
DESMUL	Design and Multimedia	X		
DESPRWRT	Design and Professional Writing	X		
DESPSY	Design and Psychology	X		
DFMS	Design and Film & Media Studies	X		
DIRFRCH	Directing and French	X		
DMC	Design Metaphysics and Cognition	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
DRAANT	Drama and Anthropology	X		
DRACULST	Drama and Cultural Studies	X		
DRACW	Drama and Creative Writing	X		
DRAFS	Drama and Film Studies	X		
DRALIT	Drama and Literature	X		
DRAMENG	Drama and English	X		
DRAMMP	Drama and Multimedia Production	X		
DRAMS	Drama and Media Studies	X		
DRAPSYCH	Drama and Psychology	X		
DRAPW	Drama and Professional Writing	X		
DRWRENG	Dramatic Writing and English	X		
DSA	Decision Science and Art	X		
DSSCDES	Decision Science and Design	X		
DSSCDRA	Decision Science and Drama	X		
EAAR	Expressive Arts and Anthropology & Religion	X		
EAPHI	Electronic Art and Philosophy	X		
EASART	East Asian Studies and Art	X		
ECOARC	Economics and Architecture	X		
ECOART	Economics and Art	X		
ECOMLGY	Economics and Musicology	X		
ECOMPER	Economics and Music Performance	X		
ECOMTECH	Economics and Music Technology	X		
EHM	European History and Music	X		
EHPPAART	Ethics, History, & Public Policy and Art	X		
EHPPARC	Ethics, History, & Public Policy and Architecture	X		
EHPPMP	Ethics, History, & Public Policy and Music Performance	X		
ENGART	English and Art	X		
ENGDRA	English and Drama	X		
ENGFNART	English and Fine Arts	X		
ENGINART	Engineering and Art		X	
ENGMP	English and Music Performance	X		
ENPOLARC	Environmental Policy and Architecture	X		
ENVSARC	Environmental Studies and Architecture	X		
ENVSTART	Environmental Studies and Art	X		
EPMP	English, Psychology and Music Performance	X		
ETHARC	Ethics and Architecture	X		
ETHDRA	Ethics and Drama	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
FACW	Fine Arts and Creative Writing	X		
FAEL	Fine Art and European Literature	X		
FAHCA	Fine Arts and Historical & Cultural Analysis	X		
FAMR	Fine Arts and Mathematical & Religious Studies	X		
FAP	Fine Arts and Psychology	X		
FARS	Fine Arts and Religious Studies	X		
FASHIS	Fine Arts and Social History	X		
FILMDART	Film & Media Studies and Art	X		
FLMMEDST	Film and Media Studies and Music Composition	X		
FLMSTARC	Film & Media Studies and Architecture	X		
FLMSTMC	Film & Media Studies and Musicology & Cultural Studies	X		
FLMVIDPR	Film and Video Production and Media Studies	X		
FSCA	Film Studies and Computer Animation	X		
GERART	German Studies and Art	X		
GM	German and Music	X		
GOVTHST	Government and Theatre Studies	X		
GRRHCOM	Graphic and Rhetorical Communications	X		
GSA	Gender Studies and Art	X		
GSART	Global Studies and Art	X		
GSDRA	Global Studies and Drama	X		
GSMART	Global Systems & Management and Art	X		
GSMCOM	Global Studies and Music Composition	X		
GSMD	Global Systems & Management and Design	X		
GSMMPER	Global Systems & Management and Music Performance	X		
GSMP	Global Studies and Music Performance	X		
GSMSCOL	Global Studies and Musicology	X		
HA	Humanities and Arts	X		
HAA	History, Anthropology and Art	X		
HISARC	History and Architecture	X		
HISART	History and Art	X		
HISCULT	History & Cultural Studies and Art	X		
HISDRA	History and Drama	X		
HISFA	History and Fine Arts	X		
HISMUSIC	Hispanic Studies and Music Performance	X		
HISPARC	Hispanic Studies and Architecture	X		
HISPART	Hispanic Studies and Art	X		
HISTDES	History and Design	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
HMC	History and Music Composition	X		
HMP	History and Music Performance	X		
HPAD	History & Policy and Art & Design	X		
HRMUS	Human Relations and Music	X		
HSM	Humanistic Studies and Music	X		
HSSARC	H&SS and Architecture	X		
HSSART	H&SS and Art	X		
HSSDES	H&SS and Design	X		
HSSDRA	H&SS and Drama	X		
HSSMCOM	H&SS and Music Composition	X		
HSSMPER	H&SS and Music Performance	X		
HSSMUS	H&SS and Music	X		
IDCULHIS	Industrial Design and Cultural History	X		
INAFDR	International Affairs and Drama	X		
INFDES	Information Design	X		
INTDES	Interaction Design	X		
INTMGMT	International Management and Music Technology	X		
INTRELAR	International Relations and Art	X		
INTRELDR	International Relations and Drama	X		
IPCW	Image Production and Creative Writing	X		
IRPDRA	International Relations & Politics and Drama	X		
ISART	Information Systems and Art	X		
ISDES	Information Systems and Design	X		
ISDRA	Information Systems and Drama	X		
ISMC	Information Systems and Music Composition	X		
ISMTECH	Information Systems and Music Technology	X		
JAPANART	Japanese Studies and Art	X		
JAPANDES	Japanese Studies and Design	X		
JAPART	Japanese and Art	X		
JSMP	Jewish Studies and Music Performance	X		
LASA	Latin American Studies and Art	X		
LCSSA	Literary, Cultural and Social Studies, and Studio Art	X		
LGCMPART	Logic & Computation and Art	X		
LINGART	Linguistics and Art	X		
LINGDES	Linguistics and Design	X		
LINGLIT	Linguistics and Literature and Music	X		
LINGMPER	Linguistics and Music Performance	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
LINGMUS	Linguistics and Music Composition	X		
LNGDRA	Linguistics and Drama	X		
LOGCMTE	Logic & Computation and Music Technology	X		
MCA	Music and Cultural Analysis	X		
MCD	Multicultural Communications and Design	X		
MCG	Music Composition and German	X		
MCT	Multimedia Communications and Theater	X		
MLMUS	Modern Languages and Music	X		
MLTMTHDS	Multimedia Methodology and Design	X		
MMPARC	Multimedia Production and Architecture	X		
MMPDES	Multimedia Production and Design	X		
MPMP	Music Performance and Multimedia Production	X		
MCFRNCH	Music and French	X		
MTAEP	Musical Theory, Acoustics and Environmental Psychology	X		
MUSMMP	Music and Multimedia Production	X		
MUSPM	Music and Policy & Management	X		
MUSPSY	Music and Psychology	X		
MUSPW	Music and Professional Writing	X		
MUSSTAT	Music and Statistics	X		
PD	Philosophy and Drama	X		
PHENGDE	Philosophy, English and Design	X		
PHIART	Philosophy and Art	X		
PHIFNART	Philosophy and Fine Arts	X		
PHIMP	Philosophy and Music Performance	X		
PHIMTECH	Philosophy and Music Technology	X		
PID	Psychology and Industrial Design	X		
PMH	Psychology and Music History	X		
PMMP	Policy & Management and Music Performance	X		
PMRFA	Philosophy of Mathematics & Religion and Fine Arts	X		
POPPDRA	Politics & Public Policy and Drama	X		
PPARC	Public Policy and Architecture	X		
PRART	Professional Writing and Art	X		
PRCDES	Professional Communications and Design	X		
PRMUS	Professional Writing and Music	X		
PRVISCOM	Professional Writing and Visual Communications	X		
PRWD	Professional Writing and Drama	X		
PSCW	Performance Studies and Creative Writing	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
PSYARC	Psychology and Architecture	X		
PSYART	Psychology and Art	X		
PSYDES	Psychology and Design	X		
PSYDRA	Psychology and Drama	X		
PSYID	Psychology and Industrial Design	X		
PSYMP	Psychology and Music Performance	X		
PSYMTECH	Psychology and Music Technology	X		
PSYMUS	Psychology and Music	X		
PSYPHOTO	Psychology and Photography	X		
PSYVCE	Psychology and Voice	X		
PWCD	Professional Writing and Communication Design	X		
PWDES	Professional Writing and Design	X		
PWDIR	Professional Writing and Directing	X		
PWMC	Professional Writing and Music Composition	X		
PWMP	Professional Writing and Music Performance	X		
PWMUSCS	Professional Writing and Musicology & Cultural Studies	X		
PWPS	Professional Writing and Performance Studies	X		
RSMVP	Religious Studies and Music (Voice Performance)	X		
RUSART	Russian Studies and Art	X		
SAWL	Studio Art and World Literature	X		
SCHSCMDS	Social History and Communication Design	X		
SHFA	Social History and Fine Arts	X		
SMLMCOM	Statistics & Machine Learning and Music Composition	X		
SMLMTECH	Statistics & Machine Learning and Music Technology	X		
SPHART	Social & Political History and Art	X		
SPHDRA	Social & Political History and Drama	X		
SPHMP	Social & Political History and Music Performance	X		
STAAURP	Statistics and Audio Recording & Production	X		
STAMACH	Statistics and Machine Learning	X		
STAMP	Statistics and Music Performance	X		
STAMSC	Statistics (Mathematical Sciences Track)	X		
STASN	Statistics (Statistics and Neuroscience Track)	X		
STATART	Statistics and Art	X		
STMLART	Statistics & Machine Learning and Art	X		
TADCW	Theater Arts Design and Creative Writing	X		
TAE	Theater Arts and English	X		
TAP	Theatre, Architecture, and Psychology	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
TDM	Theatre Design and Marketing	X		
TWMP	Technical Writing and Music Performance	X		
TWMTECH	Technical Writing and Music Technology	X		
UDPW	Urban Design and Professional Writing	X		
UESA	Urban Environmental Studies and Art	X		
VAA	Visual Arts and Anthropology	X		
VAECS	Visual Arts and European Cultural Studies	X		
VAH	Visual Arts and History	X		
VCML	Voice and Modern Languages	X		
VCPRCRWR	Voice, Professional and Creative Writing	X		
VCSA	Visual Culture Studies and Art	X		
VMCA	Visual & Material Culture and Art	X		
VVC	Visual and Verbal Communications	X		
WFAPH	Writing, Fine Arts and Popular History	X		

BSA – Science & Arts

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
BIOARC	Biological Sciences and Architecture	X		
BIOARCH	Biological Sciences and Architecture	X		
BIOART	Biological Sciences and Art	X		
BIODES	Biological Sciences and Design	X		
BIODRA	Biological Sciences and Drama	X		
BIOMP	Biological Sciences and Music Performance	X		
BIOMTECH	Biological Sciences and Music Technology	X		
BIOMUS	Biological Sciences and Music	X		
BSID	Biological Sciences and Industrial Design	X		
CMP	Chemistry and Music Performance	X		
CMYARC	Chemistry and Architecture	X		
CMYART	Chemistry and Art	X		
CMYDES	Chemistry and Design	X		
CMYDRA	Chemistry and Drama	X		
CMYMUS	Chemistry and Music	X		
CMYMUSCO	Chemistry and Music Composition	X		
EBA	Environmental Biology and Art	X		
MSCARC	Mathematical Sciences and Architecture	X		
MSCART	Mathematical Sciences and Art	X		
MSCDES	Mathematical Sciences and Design	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
MSCDRA	Mathematical Sciences and Drama	X		
MSCMPERF	Mathematical Sciences and Music Performance	X		
MSCMTECH	Mathematical Sciences and Music Technology	X		
MTHARC	Mathematics and Architecture	X		
MTHART	Mathematics and Art	X		
MTHDES	Mathematics and Design	X		
MTHDRA	Mathematics and Drama	X		
MTHMP	Mathematics and Music Performance	X		
MTHMUS	Mathematics and Music	X		
NEURMCOM	Neurobiology and Music Composition	X		
NEURMPER	Neurobiology and Music Performance	X		
NEURMTEC	Neurobiology and Music Technology	X		
NEURMUSY	Neurobiology and Musicology	X		
NEUROARC	Neurobiology and Architecture	X		
NEUROART	Neurobiology and Art	X		
NEURODES	Neurobiology and Design	X		
PHYARC	Physics and Architecture	X		
PHYART	Physics and Art	X		
PHYDES	Physics and Design	X		
PHYDRA	Physics and Drama	X		
PHYMP	Physics and Music Performance	X		
PHYMUS	Physics and Music	X		
PHYMUSC	Physics and Music Composition	X		

ETC – Entertainment Technology Pittsburgh

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ENTECH	Entertainment Technology	X		
GAMEDESG	Game Design			X

III – Integrated Innovation Institute

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
IIPS	Integrated Innovation for Products and Services	X		
IIPSICS	Integrated Innovation for Products & Services and Integrated Study in Computer Science	X		
SM	Software Management	X		
TECHVENT	Technology Ventures	X		

QBA – Qatar Business Administration

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
BA	Business Administration	X	X	X
BAENT	Business Administration (Entrepreneurship)	X		
BAFIN	Business Administration (Finance)	X		
BAGENMAN	Business Administration (General Management)	X		
BAIMN	Business Administration (Manufacturing Management and Consulting)	X		
BAITM	Business Administration (International Management)	X		
BAMARK	Business Administration (Marketing)	X		

QBS – Qatar Biological Sciences

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
BSC	Biological Sciences	X	X	X
BSCCBIO	Computational Biology	X		
NEUROSCI	Neuroscience			X

QCS – Qatar Computer Science

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
COMPBIO	Computational Biology	X		X
CS	Computer Science	X	X	X

QIS – Qatar Information Systems

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
INFOSYS	Information Systems	X	X	X

SHS – Science & Humanities Scholars

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ANTHIS	Anthropology and History	X		
BEPO	Behavioral Economics, Policy, and Organizations	X		
BSC	Biological Sciences	X		
BSCCB	Biological Sciences/Computational Biology Track	X		
BSCCBIO	Computational Biology	X		
BSCCS	Biological Sciences/Computer Science Track	X		
BSCNSC	Biological Sciences/Neuroscience Track	X		
BSCPSY	Biological Sciences and Psychology	X		
CBC	Chemistry/Biochemistry	X		
CBCMY	Chemistry/Biological Chemistry Track	X		
CBP	Chemistry/Biophysics	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
CCC	Chemistry/Computational Chemistry Track	X		
CCS	Chemistry/Computer Science Track	X		
CHINES	Chinese Studies	X		
CMY	Chemistry	X		
COGSCI	Cognitive Science	X		
COMPBIO	Computational Biology	X		
COMPFIN	Computational Finance	X	X	X
CW	Creative Writing	X		
DECSCI	Decision Science	X		
ECO	Economics	X		
ECOMTH	Economics and Mathematical Sciences	X		
ECOSTA	Economics and Statistics	X		
EHPP	Ethics, History, and Public Policy	X		
ENG	English	X		
FRANCO	French and Francophone Studies	X		
FRENCH	French	X		
GERMAN	German Studies	X		
GS	Global Studies	X	X	
HIS	History	X	X	
HISPAN	Hispanic Studies	X		
HISPOL	History and Policy	X		
INFOSYS	Information Systems	X		
INTRELP	International Relations and Politics	X		
ISSTA	Information Systems (Statistics Track)	X		
JAPAN	Japanese Studies	X		
LNGHSS	Linguistics	X		
LOGCPTA	Logic and Computation	X		
MGLECO	Managerial Economics	X		
MLESL	Modern Languages (English as a Second Language)	X		
MSC	Mathematical Sciences	X		
MSCCAM	Mathematical Sciences (Computational and Applied Mathematics)	X		
MSCDML	Mathematical Sciences (Discrete Mathematics and Logic)	X		
MSCOR	Mathematical Sciences (Operations Research)	X		
MSCORSTA	Mathematical Sciences (Operations Research and Statistics)	X		
MSCSTA	Mathematical Sciences (Statistics)	X		
MTHECO	Mathematical Sciences and Economics	X		
NEUROSCI	Neuroscience	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
PHI	Philosophy	X		
PHY	Physics	X		
PHYAPP	Physics/Applied Physics Track	X		
PHYAST	Physics/Astrophysics Track	X		
PHYBSC	Physics/Biological Physics Track	X		
PHYCHM	Physics/Chemical Physics Track	X		
PHYCP	Physics/Computational Physics Track	X		
POLMGMT	Policy and Management	X		
POLSCI	Political Science	X		
PSY	Psychology	X		
PSYBSC	Psychology and Biological Sciences	X		
PW	Professional Writing	X		
RUSSTU	Russian Studies	X		
SCH	Social and Cultural History	X		
SH	Social History	X		
SHH	Scholars Program for Humanities	X		
SHM	Scholars Program for Mellon College of Science	X		
SPANISH	Spanish	X		
SPH	Social and Political History	X		
STA	Statistics	X		
STAMACH	Statistics and Machine Learning	X		
STAMSC	Statistics (Mathematical Sciences Track)	X		
STASN	Statistics (Statistics and Neuroscience Track)	X		
TW	Technical Writing	X		
TWCM	Technical Writing and Communication	X		

DC (Dietrich College of Humanities and Social Sciences)

CAS – Center for the Arts in Society

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
AIS	Arts in Society	X		

ECO – Economics

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ECO	Economics	X	X	X
ECOMTH	Economics and Mathematical Sciences	X		
ECOPOL	Economics and Politics	X	X	

ENG – English

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
CW	Creative Writing	X	X	X
ENG	English	X	X	X
FILVIM	Film and Visual Media	X	X	
GCAT	Global Communication and Applied Translation	X		
HUMAN	Humanities Analytics			X
INVJOURN	Investigative Journalism	X		
LCS	Literary and Cultural Studies	X		
LITCUL	Literature and Culture	X	X	X
PW	Professional Writing	X	X	X
REMS	Renaissance and Early Modern Studies	X		
RHET	Rhetoric	X		
TW	Technical Writing		X	X
TWCM	Technical Writing and Communication	X	X	

HIS – History

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ANTHRO	Anthropology			X
GS	Global Studies	X	X	
HIS	History	X	X	X
SPH	Social and Political History	X	X	X

HSS – Dietrich College Interdisciplinary

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
AAAS	African and African American Studies			X
FLMEDST	Film and Media Studies			X
GENDER	Gender Studies			X
GSM	Global Systems Management			X
INFOSYS	Information Systems	X		
RELSTU	Religious Studies			X
SOCIO	Sociology			X
STS	Science, Technology and Society			X

IPS – Institute for Politics and Strategy

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
CYSEIC	Cybersecurity and International Conflict			X
INTRELP	International Relations and Politics	X	X	X
POLPUB	Politics and Public Policy			X

ML – Modern Languages

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ARABIC	Arabic Studies			X
ASLA	Applied Second Language Acquisition	X		
CHINES	Chinese Studies	X	X	X
FRANCO	French and Francophone Studies	X	X	X
GERMAN	German Studies	X	X	X
HISPAN	Hispanic Studies	X	X	X
JAPAN	Japanese Studies	X	X	X
RUSSTU	Russian Studies		X	X
SLA	Second Language Acquisition	X		

NSI – Neuroscience Institute

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
NCP	Neural Computation	X		X
NCPMLG	Neural Computation and Machine Learning	X		
NCPSTA	Neural Computation and Statistics	X		

PHI – Philosophy

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
EHPP	Ethics, History, and Public Policy	X	X	
ENVPOL	Environmental Policy		X	
ETHICS	Ethics			X
LCM	Logic, Computation and Methodology	X		
LNGHSS	Linguistics	X	X	X
LOGCPTA	Logic and Computation	X	X	X
PALOG	Pure and Applied Logic	X		
PHI	Philosophy	X	X	X
SHIFT	Societal and Human Impacts of Future Technologies			X

PSY – Psychology

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
COGNEURO	Cognitive Neuroscience	X		X
COGSCI	Cognitive Science	X	X	X
NEUROSCI	Neuroscience	X		
PSY	Psychology	X	X	X
PSYBSC	Psychology and Biological Sciences	X		

SDS – Social & Decision Sciences

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
BDR	Behavioral Decision Research	X		
BEHAVECO	Behavioral Economics	X		
BEPO	Behavioral Economics, Policy, and Organizations	X	X	
BMDR	Behavioral Marketing and Decision Research	X		
DECSCI	Decision Science	X	X	X
POLMGMT	Policy and Management	X	X	X
POLSCI	Political Science		X	
PSYBDR	Psychology and Behavioral Decision Research	X		
SDS	Social and Decision Sciences	X		

STA – Statistics

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ECOSTA	Economics and Statistics	X	X	
STA	Statistics	X	X	X
STAEPP	Statistics and Engineering and Public Policy	X		
STAMACH	Statistics and Machine Learning	X	X	
STAMSC	Statistics (Mathematical Sciences Track)	X	X	
STAPRAC	Statistical Practice	X		
STASN	Statistics (Statistics and Neuroscience Track)	X	X	

HC (H. John Heinz III College)

AEM – Arts & Entertainment Management

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ARTMGMT	Arts Management	X		
ENTMGMT	Entertainment Industry Management	X		

AIT – Information Technology AUS: School of Information Systems &

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
BIDA	Business Intelligence and Data Analytics	X		
INFOSE	Information Technology (Software Engineering)	X		
INFTECH	Information Technology	X		
ISM	Information Systems Management	X		
ITBIDA	Information Technology (Business Intelligence and Data Analytics)	X		
ITISM	Information Technology (Information Systems Management)	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ITMGT	Information Technology (IT Management)	X		
ITMSD	Information Technology (Managing Systems Development)	X		
ITSDM	Information Technology (Software Design and Management)	X		
ITSE	Information Technology with Specialization in Software Engineering	X		
ITSEC	Information Technology (Information Security and Assurance)	X		

HCP – Health Care Policy: School of Public Policy & Management

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
HCAIT	Health Care Analytics and Information Technology	X		
HCPM	Health Care Policy and Management	X		X

IPM – Information Security Policy Management: School of Information Systems

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ISPM	Information Security Policy and Management	X		

ISM – Information Systems: School of Information Systems & Management

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
BIDA	Business Intelligence and Data Analytics	X		
ISM	Information Systems Management	X		
ISMGT	Information Systems and Management	X		

ITM – Information Technology: School of Information Systems & Management

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
INFOSE	Information Technology (Software Engineering)	X		
INFTECH	Information Technology	X		
ITBIDA	Information Technology (Business Intelligence and Data Analytics)	X		
ITISM	Information Technology (Information Systems Management)	X		
ITMGT	Information Technology (IT Management)	X		
ITSDM	Information Technology (Software Design and Management)	X		
ITSEC	Information Technology (Information Security and Assurance)	X		

MED – Medical Management: School of Public Policy & Management

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
MM	Medical Management	X		

PMP – Public Management: School of Public Policy & Management

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
MPM	Public Management	X		

PPA – Public Policy & Management AUS: School of Public Policy & Management

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
PPMHNZ	Public Policy and Management	X		

PPP – Public Policy & Management: School of Public Policy & Management

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ECOPP	Economics and Public Policy	X		
MLP	Machine Learning and Public Policy	X		
POLA	Public Policy and Management (Policy Analytics)	X		
PPMBEH	Public Policy and Management (Behavioral Science)	X		
PPMDA	Public Policy and Management (Data Analytics)	X		
PPMHNZ	Public Policy and Management	X		
PPMOB	Public Policy and Management (Organizational Behavior)	X		
PPMOM	Public Policy and Management (Operations Management)	X		
PPMSET	Public Policy and Management (Strategy, Entrepreneurship and Technological Change)	X		
STAPP	Statistics and Public Policy	X		

MCS (Mellon College of Science)

BSC – Biological Science

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
BSC	Biological Sciences	X	X	X
BSCCBIO	Computational Biology	X		
BSCMCB	Biological Sciences (Molecular and Cellular Biology)	X		
BSCNSC	Biological Sciences/Neuroscience Track	X		
BSCPSY	Biological Sciences and Psychology	X		
NEUROSCI	Neuroscience	X		X

CMY – Chemistry

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
CBCMY	Chemistry/Biological Chemistry Track	X		
CMY	Chemistry	X	X	X
CMYEPP	Chemistry and Engineering and Public Policy	X		
CPS	Colloids, Polymers and Surfaces	X		

MCS – MCS Interdisciplinary

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ENVSCI	Environmental Science			X
ENVSUS	Environmental and Sustainability Studies			X
MOLBIOPH	Molecular Biophysics and Structural Biology	X		
SCICOM	Scientific Computing			X
TCSST	Teacher Certification – Secondary School Teaching	X		

MSC – Mathematical Sciences

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
COMPFIN	Computational Finance	X	X	X
DML	Discrete Mathematics and Logic			X
MACO	Algorithms, Combinatorics and Optimization	X		
MSC	Mathematical Sciences	X	X	X
MSCCAM	Mathematical Sciences (Computational and Applied Mathematics)	X	X	
MSCDML	Mathematical Sciences (Discrete Mathematics and Logic)	X	X	
MSCOR	Mathematical Sciences (Operations Research)	X	X	
MSCORSTA	Mathematical Sciences (Operations Research and Statistics)	X	X	
MSCSTA	Mathematical Sciences (Statistics)	X	X	
MTHECO	Mathematical Sciences and Economics	X		
MTHFIN	Mathematical Finance	X		
PALOG	Pure and Applied Logic	X		

PHY – Physics

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
APHY	Applied Physics	X		
PHY	Physics	X	X	X
PHYAP	Physics/Applied Physics Track	X		
PHYAST	Physics/Astrophysics Track	X		
PHYBSC	Physics/Biological Physics Track	X		
PHYCHM	Physics/Chemical Physics Track	X	X	
PHYCP	Physics/Computational Physics Track	X		

SCS (School of Computer Science)

CB – Computational Biology

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
AUTSCBE	Automated Science – Biological Experimentation	X		
COMPBIO	Computational Biology	X		X
COMPBIOA	Computational Biology – Advanced Study	X		

CS – Computer Science

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ACOCS	Algorithms, Combinatorics and Optimization	X		
CS	Computer Science	X	X	X
CSACO	Computer Science (Algorithms, Combinatorics and Optimization)	X		
CSEPP	Computer Science and Public Policy (Student-Defined Major)	X		
CSFS	Computer Science – Foundational Studies	X		
CSPAL	Computer Science (Pure and Applied Logic)	X		
CSRES	Computer Science – Research	X		
CSRT	Computer Science – Research Thesis	X		

HCI – Human-Computer Interaction

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
DESLEARN	Design for Learning			X
ETALS	Educational Technology and Applied Learning Sciences	X		
HCI	Human-Computer Interaction	X	X	X
LRNGMED	Learning Media			X

ISR – Institute for Software Research

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
COS	Computation, Organizations and Society	X		
EMSYS	Embedded Systems	X		
ESE	Information Technology – Embedded Software Engineering	X		
INFOPVCY	Information Technology – Privacy Engineering	X		
INFOSE	Information Technology (Software Engineering)	X		
INIITS	Information Technology Strategy	X		
SCASYS	Scalable Systems	X		
SE	Software Engineering	X		X
SOCTLCOM	Societal Computing	X		

LTI – Language Technologies Institute

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
AII	Artificial Intelligence and Innovation	X		
CDSANL	Computational Data Science-Analytics	X		
CDSCI	Computational Data Science	X		
CDSHCDS	Computational Data Science - Human Centered Data Science	X		
CDSSYS	Computational Data Science-Systems	X		
IIS	Intelligent Information Systems	X		
IISAS	Intelligent Information Systems – Advanced Study	X		
ISRCDS	Computational Data Science	X		
LIT	Language and Information Technologies	X		
LTECH	Language Technologies	X		X

MLG – Machine Learning

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ML	Machine Learning	X		X
NCPMLG	Neural Computation and Machine Learning	X		
STAMACH	Statistics and Machine Learning	X		

ROB – Robotics

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ANIMSE	Animation and Special Effects			X
CV	Computer Vision	X		
INTELENV	Intelligent Environments			X
PHYCOMP	Physical Computing			X
ROB	Robotics	X	X	X
ROBSYSDV	Robotic Systems Development	X		

SCS – SCS Interdisciplinary

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
AI	Artificial Intelligence	X		

SE – Software Engineering

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
ESE	Information Technology- Embedded Software Engineering	X		
INFOSE	Information Technology (Software Engineering)	X		
ITSEM	Information Technology - Software Engineering Management	X		
SE	Software Engineering	X		

TSB (David A. Tepper School of Business)

BA – Business Administration

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
BA	Business Administration	X	X	X
BAENT	Business Administration (Entrepreneurship)	X		
BAFIN	Business Administration (Finance)	X		
BAGENMAN	Business Administration (General Management)	X		
BAGMM	Business Administration (Graphic Media Management)	X		
BAIMN	Business Administration (Manufacturing Management and Consulting)	X		
BAITM	Business Administration (International Management)	X	X	
BAMARK	Business Administration (Marketing)	X		
BATECH	Business Administration (Business Technology)	X		
COMPFIN	Computational Finance	X		
INNENT	Innovation and Entrepreneurship			X
OPSCHM	Operations and Supply Chain Management			X

IA – Tepper School of Business

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
BEHAVECO	Behavioral Economics	X		
BMDR	Behavioral Marketing and Decision Research	X		
BUSANAL	Business Analytics	X		
COMPFIN	Computational Finance	X		
ECOIA	Economics	X		
ECOPP	Economics and Public Policy	X		
IAACCT	Industrial Administration (Accounting)	X		
IAACO	Industrial Administration (Algorithms, Combinatorics and Optimization)	X		
IABT	Industrial Administration (Business Technologies)	X		
IAFINAN	Industrial Administration (Finance)	X		
IAMARKET	Industrial Administration (Marketing)	X		
IAOBT	Industrial Administration (Organizational Behavior and Theory)	X		
IAOM	Industrial Administration (Operations Management)	X		
IAOR	Industrial Administration (Operations Research)	X		
MGTSCI	Management Science	X		
PRODMGMT	Product Management	X		

MAJOR_MINOR_ID	MAJOR_MINOR_NAME	Primary	Add'l	Minor
MGTSCI	Management Science	X		

Degree Codes (DEGREE_ID)

DEGREE_ID	Translation	DIPLOMA_TEMPLATE *
BA	Bachelor of Arts	1
BAC	Bachelor of Architecture	2
BCA	Bachelor of Computer Science and Arts	1
BDES	Bachelor of Design	2
BFA	Bachelor of Fine Arts	1
BHA	Bachelor of Humanities and Arts	1
BS	Bachelor of Science	1
BSA	Bachelor of Science and Arts	1
DA	Doctor of Arts	1
DDES	Doctor of Design	2
DPP	Doctor of Professional Practice	1
EMBA	Executive Master of Business Administration	1
MA	Master of Arts	1
MAAD	Master of Advanced Architectural Design	2
MAC	Master of Architecture	2
MAM	Master of Arts Management	2
MBA	Master of Business Administration	2
MBME	Master of Biomedical Engineering	2
MCDS	Master of Computational Data Science	2
MCH	Master of Chemical Engineering	2
MCIDD	Master of Computer-Interaction Design and Development	2
MCP	Master of Chemical Engineering & Colloids, Polymers and Surfaces	2
MDE	Master of Design	1
MEIM	Master of Entertainment Industry Management	2
MET	Master of Entertainment Technology	2
METAL	Master of Educational Technology and Applied Learning Sciences	2
MFA	Master of Fine Arts	1
MHC	Master of Health Care	1
MHI	Master of Human-Computer Interaction	2
MIIAS	Master of Integrated Innovation for Products and Services - Advanced Study	2
MIIPS	Master of Integrated Innovation for Products and Services	2
MISM	Master of Information Systems Management	2
MITS	Master of Information Technology Strategy	2
ML	Master of Letters	1
MMM	Master of Medical Management	2
MMU	Master of Music	1
MPH	Master of Philosophy	1

MPM	Master of Public Management	2
MPS	Master of Professional Studies	1
MS	Master of Science	1
MSE	Master of Software Engineering	2
MSP	Master of Statistical Practice	2
MTID	Master of Tangible Interaction Design	2
MUD	Master of Urban Design	2
PHD	Doctor of Philosophy	1

Enrollment Status Codes (ENROLLMENT_STATUS_ID)

ENROLLMENT_STATUS_ID	Translation
AB	ABSENTIA
BB	INELIGIBLE TO ENROLL
D1	DROP/ACADEMIC PERFORMANCE
D2	DROP/ACADEMIC INTEGRITY
DS	DECEASED
E1	ENROLLED
F1	FORFEIT
G1	GRADUATED
G2	PENDING GRADUATION
IN	INACTIVE RECORD
LA	LEAVE OF ABSENCE
LS	LEAVE/STUDENT AFFAIRS
R1	CONDITIONALLY ENROLLED
R2	ADMISSION DEFERRED
R3	ELIGIBLE TO ENROLL
R4	FUTURE ENROLLMENT
S1	SUSPENSION/ACADEMIC
S2	SUSPENSION/DISCIPLINARY
S3	SUSPENSION/ADMINISTRATIVE
S4	SUSPENSION/ADMIN RESTRICT
W1	WITHDRAW/ADMINISTRATIVELY
W2	WITHDRAWAL
W3	STUDENT AFFAIR WITHDRAWAL

Entity Codes (ENTITY_ID)

ENROLLMENT_STATUS_ID	Translation
01	CMU Pittsburgh
68	CMU Qatar-Undergrad
70	CMU Australia-Heinz
71	CMU Australia-ETC
72	CMU Portugal
73	CMU Qatar-Other
74	CMU Singapore

75	CMU Rwanda
76	CMU China
77	CMU Thailand

Visa Status Codes (VISA_STATUS_ID)

VISA_TYPE_ID	Translation
99	Unknown
NA	Not Applicable
A1	Diplomatic - Consular
B1	Business
B2	Tourist
E1	Trade
E2	Dependent of Treaty Trader
F1	Student (very common)
F2	Student Spouse or Child
G4	Government Official
H1	Specialty Worker
H2	Labor
H3	Trainee
H4	Dependent of H1, H2, or H3 Visa
IM	Permanent Resident (Green Card)
J1	Exchange Student
J2	Exchange Visitor's Spouse
L1	Intercompany Transfer
L2	Intercompany Transfer Dependent
RA	Refugee/Asylee
TD	NAFTA Professional Dependent
TN	NAFTA Professional

Questions

Questions regarding SDW or Tableau should be directed to uro-sdw@andrew.cmu.edu.