STUDENT WEB SERVICE (SWS)

THE STUDENT WEB SERVICE (SWS) PROVIDES REAL-TIME ACCESS TO ACADEMIC DATA FROM COURSE AND TIME SCHEDULE INFORMATION, STUDENT PROFILE DETAILS, PROGRAM INFORMATION AND MORE!

The SWS is a set of consistent and secure APIs that enable any application, system or person real-time access to academic data from the University of Washington student information systems - Student Database (SDB) and Continuum College (EOS).

API: a set of reusable functions or procedures used by computer programs to access services from other systems.

WHAT IS AVAILABLE?

The SWS provides real-time access to a number of academic data such as:

> Course Information - Time schedule section data such as:
  • meeting times
  • locations
  • instructors
  • current enrollment counts
  • space available

> Student Information - Profile details such as:
  • preferred & legal name
  • contact information
  • student schedule
  • enrolled majors and minors
  • course registrations, transcripts, and grades
  • test scores

> Program Information - Including:
  • college
  • campus
  • curriculum
  • term
  • degree
  • students in a given major

> and many more!

WHAT ARE THE BENEFITS?

Source systems like Student Database (SDB), Continuum College (EOS), and the Identity Registry supply academic data to the SWS. Then, the SWS publishes data to downstream systems without impacting the source systems’ processes.

WHO MANAGES SWS?

The Enterprise Web Services (EWS) team manages the SWS. This team provides customer support and develops the systems that connect data to downstream applications. The SWS access is provided 24 hours per day, 7 days a week, 365 days a year.

HOW DO I GET ACCESS?

> SEND AN EMAIL: Access to the SWS is approved and managed by the Office of the University Registrar. To request access, email help@uw.edu.
USE CASES FOR STUDENT WEB SERVICE (SWS)

MyUW, MyPlan, Canvas and Instructor Dashboards

The SWS allows real-time access to student data across multiple university systems. This includes a synchronized view across a student’s academic plan, enabling automatic access to learning management systems (ex. Canvas) and current as well as historical schedule views in MyUW and MyPlan.

For instructors, the SWS provides real-time access to current enrollment counts, student class lists, and academic student population success rates. Instructors have better data-informed student engagement.

Electronic Grading

The SWS reduces costs and simplifies electronic grading processes. SWS provides an interface between SDB and Gradepage to aid in this process. The SWS helps reduce the manual steps required to process a grade, by linking an instructor to a student record via Gradepage. This allowed for the retirement of the complex Scantron bubble sheet processes for a more efficient grading workflow.

Departmental IT Efficiency

The SWS helps eliminate redundant data stores. This reduces duplicate academic data across the UW. By eliminating multiple data stores, departmental costs are reduced. Having data centrally located improves security and also better positions the UW for a more sustainable future.

Government Data Security and Retention Compliance

The UW is better positioned to comply with data regulations such as GDPR and FERPA by utilizing the SWS. By providing an on-demand resource, the SWS helps secure and limit distribution of student data.