



The Challenge Program

Sunset High School 2024–25

PSU’s Challenge Program

Challenge is a nationally accredited dual credit program offering Portland State University (PSU) college courses at Sunset. In addition to earning college credit at a greatly discounted rate, Challenge students have access to PSU services, including student ID cards, computer accounts, and the library with its online databases. A 3.0 cumulative GPA is required to participate in Challenge to help ensure students are prepared for the rigor and expectations of a college course.

Registration

Make sure to read the instructions before you begin! There are some differences to the process based on whether you are a new or returning Challenge student.

To get started on your registration, visit:

pdx.edu/challenge-program/challenge-program-registration

Tuition

At \$224.40 per course (or \$51 if you qualify for financial aid), Challenge courses cost a fraction of regular college tuition (which is \$1218 per course on campus this year). It’s a great deal!

For information on Challenge tuition, visit:

pdx.edu/challenge-program/about-challenge-program

Credit and Credit Transfer

Challenge credit transfers nationally to many institutions and all state universities.

For detailed information on Challenge credit and credit transfer, visit:

pdx.edu/challenge-program/credit-and-transcripts

Registration, Drop, and Withdraw Deadlines

FALL REGISTRATION – October 1st Deadline

MTH 251: Calculus I	Drop: Nov. 4
STAT 243Z: Elementary Statistics	Withdraw: Dec. 16
CS 161: Intro Programming	Drop: Dec. 16
CS 162: Intro to Comp Sci	Withdraw: April 14

WINTER REGISTRATION – February 18th Deadline

MTH 252: Calculus II	Drop: March 17
STAT 244: Prob & Stats II	Withdraw: May 5

Dropping a course means there will be no record of the course on the student’s college transcript.

Withdrawing will leave the course on the student’s college transcript with a grade of “W.”

PSU is an affirmative action/equal opportunity institution

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Sunset Courses 2024–25

Courses Mapped to Semesters

These courses are taught in a sequence of two that aligns with the high school semesters. Students register and pay twice a year.

Probability and Statistics

STAT 243Z – Elementary Statistics (4 credits) \$224.40. Tevik. **Register by October 1**

A first course in statistics focusing on the interpretation and communication of statistical concepts. Introduces exploratory data analysis, descriptive statistics, sampling methods and distributions, point and interval estimates, hypothesis tests for means and proportions, and elements of probability and correlation. Technology will be used when appropriate. This is the first course in a sequence of two: Stat 243Z and Stat 244 which must be taken in sequence. *Prerequisite: Completion of high school precalculus with a grade of C- or above.*

STAT 244 – Intro to Probability and Statistics II (4 credits) \$224.40. Tevik. **Register by February 18**

A basic course in statistical analysis including estimation, tests of significance, experimental design and analysis of variance, linear regression and correlation, nonparametric statistics, selected topics, applications, and use of statistical computer packages. A broad nontechnical survey designed primarily for non-math students who need to utilize the subject in their own fields. This is the second course in a sequence of two: Stat 243Z and Stat 244 which must be taken in sequence. *Prerequisite: Stat 243Z.*

Calculus I & II

MTH 251 – Calculus I (4 credits) \$224.40. Southall, Tevik. **Register by October 1**

Differential calculus of functions of a single variable, including limits, the definition and computation of the derivative, and applications of the derivative. *Prerequisite: Completion of MTH 112, preferably with a grade of B or above.*

MTH 252 – Calculus II (4 credits) \$224.40. Southall, Tevik. **Register by February 18**

Integral calculus of functions of a single variable, including the Fundamental Theorem of Calculus, numerical integration and applications. *Prerequisite: MTH 251.*

Courses mapped to Academic Year

These courses are taught as year-long courses. Students register and pay once for each course.

CS 161 – Intro to Programming & Problem-Solving (4 credits) \$224.40. Galbraith. **Register by October 1**

Introduction to fundamental concepts of computer science. Problem solving, algorithm and program design, data types, loops, control structures, subprograms, and arrays. Learn to write programs in a high-level programming language. Surveys current social and ethical aspects of computer science. *Recommended prerequisite: MTH 111.*

CS 162 – Intro to Computer Science (4 credits) \$224.40. Galbraith. **Register by October 1**

The goals of this class are to teach the syntax of C++ to students who already know how to program. Students are expected to be proficient at using conditionals, I/O, loops, and functions with arguments. Topics include: conditionals, I/O, files, functions, classes, pointers, dynamic memory, linear linked lists, and multi-dimensional arrays in C++, as well as program correctness, verification, and testing. PSU proficiency lab testing administered by PSU faculty. *Prerequisite: CS161 or prior programming experience equivalent to CS161.*

Go to [pdx.edu/challenge-program](https://www.pdx.edu/challenge-program) for online registration