

Master of Science (MS) in Energy, Environmental & Chemical Engineering (EECE)

The MS degree is a research-focused master's program for students interested in studying environmental engineering, energy systems and chemical engineering. This degree is typically a two-year program that requires the completion of course work and may include the completion of a research or thesis project under the supervision of a faculty member.

The program consists of 30 total credits that can be completed in one of three ways:

1. 30 credits of course work;
2. 24 credits of course work and 6 credits of independent study; or
3. 24 credits of course work and 6 credits of thesis research.

The course work for all options is comprised of 15 credits of core courses with remaining elective units (400 or 500 level) chosen with the approval of the advisor. Students must have a cumulative grade-point average of 2.75 or better to receive the degree. The 6 credits of independent study or thesis work are done under the guidance of a tenured or tenure-track faculty member in the department. Research results presented in the form of a written project report must be approved by the advisor and an external reviewer. Research results presented in the form of a thesis must be approved by a three-person faculty committee formed with the approval of the advisor. The completion of the degree program must be consistent with the residency and other applicable requirements of Washington University and the McKelvey School of Engineering.

Doctoral students may also receive an MS in EECE "along the way" in their PhD program. They should have passed the PhD proposal defense, completed 30 units of required course work, and published or submitted at least one peer-reviewed journal manuscript from their thesis research.

For more detailed information, please visit the MS in EECE webpage.