

## Joint Master's Degree Program Courses and Programs of Study

The following six courses are required for all joint YSE/SEAS Master's students completing their MS-Engineering degree in Environmental Engineering, regardless of the YSE degree (e.g., MEM or MESC): ENAS 641, ENAS 642, ENV 773, ENAS 660/ENV 885, and ENV 838. Students must also choose either ENV 712 (Water Management) or ENV 724 (Water Shed Cycles and Processes).

***For completion of the MS in SEAS***, two additional Yale-wide technical electives approved by the DGS (or faculty in an equivalent role in Environmental Engineering) are required. These courses can be cross-listed with or administered by YSE with prior approval from the DGS. If any of the above required courses in Environmental Engineering is not offered, due to faculty leave or any other reasons, students may take the same Environmental Engineering course one year earlier or later. As long as the student takes one course during their second year, they are considered as being enrolled in SEAS. Environmental Engineering faculty (i.e., academic advisers) will not serve as a supervisor for MEM-MS students taking summer internship or capstone design project nor MESC-MS degree students performing their thesis research, during the period they are enrolled in SEAS.

***For completion of the MEM in YSE***, the requirements as outlined for the MEM degree must be completed, including ENV 601, the 6-course sequence (2 core and 4 electives) of a specialization, a summer internship, and a capstone course or independent project. Four additional general electives courses will complete the necessary coursework. Students who do not demonstrate prior approved coursework will also be required to take the four half-term, basic knowledge courses, thereby reducing the number of general electives to two courses.

***For completion of the MESC in YSE***, students are required to complete ENV 551a or ENV 550a in their first semester. Another research methods course may be substituted for ENV 551a or ENV 550a, when appropriate, and subject to approval of the research adviser. Students should work with their advisers to create a balance of formal coursework with research credits as well as their remaining courses that will support the design, execution, and communication of their master's research and that are consistent with their career goals. Students must also participate in Research Day in April.