

May 8, 2013

Subject: Registration for MI Civil & Environmental Engineering Students at USF Fall, 2013

You need to take 24 credits of coursework before you depart for your PC training (probably sometime between May and September). Thus you will need to take 4 classes per semester. For those students in the S\_STEM program, you are able to take 3 credits of independent study that count as coursework and could be applied towards the research you have the opportunity to perform this fall and spring semester as part of the S\_STEM program. S\_STEM scholarship recipients must also take CGN6933 "Green Engineering for Sustainability" (Spring) or obtain special approval from Dr. Mihelcic and also take 1 credit course, CGN6933 <Environmental Research Colloquium (ERIC) (instructor is listed as Dr. M. Nachabe).

Note that for those of you enrolled in the environmental engineering program, there are specific core courses required for the degree that all graduate environmental engineering students must take. There are not similar requirements for the civil engineering degree.

A new concentration in "Engineering for Development" was built around the Master's International curriculum. It acknowledges course and international field experience in the area of engineering for development that considers issues of sustainability, environment, health, gender, and society. Requires students take the following four courses that includes an extended international engineering field experience for a total of 9 credits: ENV 6510 (Sustainable Development Engineering); 1 anthropology course (ANG - 6766 Research Methods in Applied Anthropology or ANG 6730 (or 5937) Anthropology and International Development or ANG 6469 – Health and Illness or ANG4930 - Infectious Disease); 1 global health course (PHC 6115 - Global Health Principles & Contemporary Issues or PHC 6112 Global Health Assessment Strategies); and CST6990 for full time global training and service in the U.S. Peace Corps as part of the Master's International Program. The six (6) research credits required for the degree are associated with research in a developing world context.

Table 1. Proposed academic courses and other components required for the 30-credit **M.S. Environmental Engineering and Master of Science in Engineering Science - Environmental Engineering**.

	Fall Semester	Spring Semester	PC Training and Service ( $\geq 7$ semesters)	On return
3 core subject courses (9 credits) required for all MI students	ENV 6510 – Sustainable Development Engineering (3 credits)  Anthropology course <sup>2</sup> <i>or</i> PHC 6115 - Global Health Principles & Contemporary Issues (3 credits) <i>or</i> PHC 6112 Global Health Assessment Strategies (3 credits)	Anthropology and/or Public Health course if not taken in the fall <sup>2</sup>	CST6990 (zero credit course) <sup>3</sup>	6 credits of research
3 engineering courses distinct to environmental engineering (9 credits) required for all environmental engineering students <sup>1</sup>	ENV 6002, Physical & Chemical Principles (3 credits)  EES 6107, Biological Principles of Environ. Engrg. (3 credits)	ENV 6666, Aquatic Chemistry (3 credits)		
2 additional classes worked out with your advisor				

<sup>1</sup> Other “core” environmental engineering courses include: a) ENV 6519, Physical & Chemical Processes (3 credits) b) ENV 6667, Environmental Biotechnology (3 credits), c) CGN 6933, Air Pollution Engineering (3 credits)

<sup>2</sup> students must take one anthropology course (ANG - 6766 Research Methods in Applied Anthropology or ANG 6730 (or 5937) Anthropology and International Development or ANG 6469 – Health, Illness and Culture or ANG4930 - Infectious Disease);

<sup>3</sup> CST 6990 is a non-credit (0 credit) course designed to allow students to retain access to USF services without fee assessment while engaged in off-campus activities that are required by the graduate program. Dr. Mihelcic will register you for this class every semester you are overseas for training and/or service.



Table 2. Proposed academic courses and other components required for the 30-credit **M.S. Civil Engineering**. See graduate catalog for specifics on core courses required for a specific concentration. Listed here are core subjects, approved electives, and how many course credits will be awarded for research.

	Semester 1	Semester 2	PC Training and Service ( $\geq 7$ semesters)	On return
3 core subject courses (9 credits) required for all MI students	ENV 6510 – Sustainable Development Engineering (3 credits)  Anthropology course <sup>2</sup> <i>or</i> PHC 6115 - Global Health Principles & Contemporary Issues (3 credits) <i>or</i> PHC 6112 Global Health Assessment Strategies (3 credits)	Anthropology and/or Public Health course if not taken in the fall <sup>2</sup>	CST6990 (zero credit course) <sup>2</sup>	6 credits of research
5 engineering courses distinct to civil or environmental engineering (15 credits) required for all environmental engineering students	2 CEE course electives	3 CEE course electives		

<sup>1</sup> students must take one anthropology course (ANG - 6766 Research Methods in Applied Anthropology or ANG 6730 (or 5937) Anthropology and International Development or ANG 6469 – Health, Illness and Culture or ANG4930 - Infectious Disease);

<sup>2</sup> CST 6990 is a non-credit (0 credit) course designed to allow students to retain access to USF services without fee assessment while engaged in off-campus activities that are required by the graduate program. Dr. Mihelcic will register you for this class every semester you are overseas for training and/or service.