

----- **ADDITIONAL DETAILS ABOUT THE PROGRAM** -----

Format

Faculty groups, which will effectively become virtual communities of practice (VCP) with 20 to 30 members, will meet weekly at a scheduled time using virtual meeting software during the second half of the Fall 2013 Semester and during the entire Spring 2014 Semester. Each group will be led by two individuals that have implemented research-based approaches for improving student learning, have acquired a reputation for innovation and leadership in their course area, and have completed a series of training sessions to prepare them to lead the virtual communities. Since participants will be expected to begin utilizing some of the new approaches with the help and encouragement of the virtual group, they should be committed to teaching a course in the targeted area during the Spring 2014 Semester.

VCP Topics and Meeting Times

This year's efforts are focusing on required engineering science and design courses that are typically taught in the second and third year in each of the areas listed below.

[Chemical engineering and related fields](#), such as material science, biological engineering, and petroleum engineering.

Co-leaders are Stephanie Farrell and Stephen Krause

Meeting time is Monday at 2:30 - 4:00 p.m. EST starting October 28, 2013 and running until December 16, 2013

[Civil engineering and related fields](#), such as environmental, transportation, and construction engineering.

Co-leaders are Christopher Swan and Chris Carroll

Meeting time is Wednesday at 3:00 - 4:30 p.m. EST starting October 30, 2013 and running until December 18, 2013

[Computer science and engineering and related fields](#)

Co-leaders are Scott Grissom and Joe Tront

Meeting time is Tuesday at 3:00 - 4:30 p.m. EST starting October 29, 2013 and running until December 17, 2013

[Electrical engineering and related fields](#)

Co-leaders are Susan Lord and Jill Nelson

Meeting time is Tuesday at 12:30 - 2:00 p.m. EST starting October 29, 2013 and running until December 17, 2013

[Mechanical engineering and related fields](#), such as aeronautical engineering, manufacturing engineering, and industrial engineering

Co-leaders are Autar Kaw and Julie Linsey

Meeting time is Tuesday at 10:30 a.m. - 12:00 p.m. EST starting October 29, 2013 and running until December 17, 2013

Application Process

Interested individuals should complete the on-line

application at https://www.research.net/s/asee-vcp_application_form_cycle2. The application form asks individuals to describe their experience with relevant engineering science courses, to indicate their involvement in education research and development activities, to summarize any classroom experiences where they have tried something different in their classes, and to discuss their reasons for wanting to participate in the VCP.

The applicant's Department Head or Dean needs to complete an on-line recommendation form

at https://www.research.net/s/asee-vcp_recommendation_form_cycle2 to indicate plans for having the applicant teach the selected courses in the Spring 2014 Semester and to briefly discuss why participating in the VCP will be important to the applicant.

Since demonstrating that the VCP approach will benefit relatively inexperienced faculty, applicants do not need a substantial record of involvement in education research and development. For this reason, the applicant's and the Department Head's or Dean's statements about the reasons for participating will be particularly important in selecting participants.

Application Deadline

Applications are due by **Friday, September 13, 2013**. The project team will review all applications and select a set of participants that are diverse in their experience, institutional setting, gender, and ethnicity.