

Academic Planning Council Agenda
Wednesday, September 18, 2019
1:30 PM – 3:00 PM
3609 Engineering Hall

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|----------------|--|-------------------|
| 1:30 – 1:40 pm | Introductions; Announcements; Approval of May Minutes
Vice-Chair Appointment
Informational Only: APCRC Minutes and notes (see attachments below) | M. Arnold |
| 1:40 pm | Enter into Closed Session | |
| 1:40 – 2:40 pm | College of Engineering Budget Discussion | I. Robertson |
| 2:40 pm | Return to Open Session | |
| 2:40 – 2:50 pm | Program Reviews: Review Committees <ul style="list-style-type: none">• MS in CEE Environmental Engineering Named Option• M. Eng Sustainable Systems (5 year review) | C. Brace/D. Noyce |
| 2:50 – 3:00 pm | Other Business | |

Next Meeting:

Wednesday, October 16, 2019
1:30 – 3:00 PM
3609 Engineering Hall

APCRC UPDATES

Program outcomes update for the B.S. in Civil Engineering:

<https://next-guide.wisc.edu/programadmin/?key=152>

These are the required changes for ABET - no discussion needed

Reminders:

Any minor edits to Guide must be submitted to Megan Schreiber, mlpaulson@wisc.edu, **by Friday, September 27.**

New named options required by the Grad School. To simplify admissions and reporting, the Grad School is requiring that we create a Named Option for our traditional master's programs in the following 6 areas: BME, CEE, EM, IE, Manufacturing Systems, and MSE. In general, this will be named the Research option. Confirmation of the name is due to Emily Reynolds by September 30. Proposals will take effect for Fall 2020 and so will appear on the APC consent agenda sometime this Fall.

APCRC Agenda
May 2, 2019
11:00 a.m.
3609 Engineering Hall

Present: Dan Klingenberg, Dante Fratta, Laura Grossenbacher, Wendy Crone, John Puccinelli, Jenny Binzley, Manuela Romero, Chris Choi, Franklin Miller, David Anderson, Sara Hagen

Guests: Bret Larget (Data Science), Mike Swift (Computer Science)

Absent: Jake Blanchard (ex officio), Greg Harrington, Susan Ottmann, Doug Wiegmann

1. Announcements

- a. Course change proposals for Spring 2020 must be complete and to the College Approver level (i.e. approved by departments and any cross-listed subjects) by September 3, 9 a.m.
- b. The Fall guide will be published June 1. We are currently in a preview period through May
- c. The mid-cycle update of Guide is published October 18. Submit program changes by September 13. (UAPC materials deadline is Sept 19.)
- d. New obsolete course process - subject approvers will receive requests to approve deactivation of obsolete courses - there is no further step in workflow - this goes directly to PeopleSoft - if you instead wish to do a waiver and submit a course proposal to keep the course, DO NOT approve. Consider whether department needs to discuss before approving. See list of courses in Box.

Contact Sara to initiate the waiver process.

2. [April Minutes](#) - Approved

3. 11:10 a.m. Data Science major - discussion with Bret Larget

Bret Larget provided an overview of the Data Science major, which began in the department of statistics and is now a multi-department effort with COMP SCI, MATH, STAT, and the ISchool. The Regents approved the notice of intent in December.

The curriculum includes 5 core foundational courses required for all students, including a new course for R, a two-course sequence in Python, and a required course in data ethics, all 4 credits except ethics which is 3

The 18 credits of electives include machine learning, linear algebra, advanced computing, modeling, and others. The set of elective options is expected to expand over time.

The program committee will oversee the major, with spots on the committee available for people from some of the elective departments - terms are 3 years, with 2 consecutive terms allowed

Enrollment is expected to increase - planning for growth

Discussion:

The number of credits is consistent with L&S expectations for a major. Note that Calc 1 and 2 are prerequisites for some courses but do not count in the credits for the major

Engineering may use section-level enrollment to make sure our majors can enroll before others

Comp sci is expanding their capacity in Machine Learning to allow for additional enrollment - expanding elective course options will also relieve enrollment pressure

Program committee will make decisions about adding courses on an annual basis

4. 11:30 a.m. COMP SCI proposals - discussion with Mike Swift

200 was developed to be an intro to programming, but it also has the goal that students will leave with a solid capability to program

Workload is consistent with a 4-credit course

Engineering has concerns about how this will affect students' time to degree because for some majors it would increase the number of credits in the degree. We may need to consider removing 200 as a requirement.

COMP SCI 200 and 220 will both provide a pathway into computer science. Bridge courses are being planned for students who want to switch tracks from Python to Java (between 320 and 400)

COMP SCI has an online pretest to help students decide which course to sign up for.

5. Special Topics courses - spreadsheet in Box - [KB doc](#)
 - a. See KB doc for university policy
 - b. Discuss needed course proposals with your department

6. CLO amnesty
 - a. Upcoming plans to update course learning outcomes were discussed
 - b. Because a small number of outcomes is preferable, approved allowing 7 outcomes within the system Sara is creating, plus an option to contact Sara to add additional if necessary

7. Course Proposals - Box folder with PDFs
 - a. CIV ENGR 520 - <https://next-guide.wisc.edu/courseadmin/?key=12661>
Approved as written - post-meeting vote via email - approved cross-listing with G L E
 - b. CIV ENGR 572 - <https://next-guide.wisc.edu/courseadmin/?key=12659>
Approved conditionally - add more for graduate grading
 - c. CIV ENGR 577 - <https://next-guide.wisc.edu/courseadmin/?key=12859>
Approved
 - d. I SY E 557 - <https://next-guide.wisc.edu/courseadmin/?key=12868>
Approved

8. DARS Substitutions - Box folder
 - a. Tech Comm
 - b. Thermal Systems
 - c. M E
 - d. CBE
 - e. I SY E -
 - f. G L E - none
 - g. CIV ENGR
 - h. E C E
 - i. M S & E
 - j. E P
 - k. B M E

Next meeting:

September 5, 2019

11:00 a.m.

3609 Engineering Hall

2019-2020 meeting dates

September 5

October 3

November 7

December 5

February 6

March 5

April 2

May 7

APCRC Agenda
July 11, 2019
10:00 a.m.
3609 Engineering Hall

Present: Andrea Strzelec (EPD), Susan Ottman (EPD), Dane Morgan (MS&E), Jenny Binzley (CoE), Wendy Crone (EP), Manuela Romero (CoE), John Puccinelli (BME), Kevin Shinnars (BSE), Greg Harrington (CEE), Dan Klingenberg (CBE), David Noyce (CoE), David Anderson (ECE), Sara Hagen (CoE)

Absent: Doug Wiegmann (ISyE), Franklin Miller (ME), Dante Fratta (GLE), Laura Grossenbacher (CoE)

1. Announcements (Sara - 5 min)

- a. Course proposal deadline - For APCRC review on September 5, proposals must be submitted in Lumen through to College Approver level by **9 a.m. on Tuesday, September 3** - For the best possible proposal, please discuss with Sara Hagen early in the process.
(planner@engr.wisc.edu) - See all deadlines for 2019-20 at <https://kb.wisc.edu/coe/91771>
If a course is cross-listed, allow extra time for departmental approvals.
- b. Requisite Amnesty - Sara is continuing to work with departments
- c. Web site cleanup - FYI: Jake Blanchard sent an email on June 26 to department administrators regarding the need to identify and clean up where governed information from Guide is duplicated on departmental web sites. (Examples: admissions requirements, duplicate policies, program requirements, learning outcomes, 4-year-plans) Deadline: January 31, 2020. Please mention this at a department meeting to let your colleagues know about the effort.
 - i. Clarification requested regarding flowcharts - Sara will check with Lumen Programs team

2. CoE Probation Policy (Manuela)

Need for discussion/possible decision arises from recent update to SIS which affects how probation displays on unofficial and official transcripts

Discussion followed by unanimous vote (motion by Greg Harrington, second by David Anderson, vote 8-0-0) to request, via Lumen, that we differentiate within the transcript language between "Probation (Term less than 12 credits)" and "Probation (Term G.P.A less than 2.0)"

Sara will follow up with Manuela

Next meeting:

September 5, 2019

11:00 a.m.

3609 Engineering Hall