Basic Clinical Research Methods Graduate Certificate
Program Checklist Update April 30, 2008

18 Total Credits (Minimum): ________, including 9 Credits Taken for a Numerical Grade __.

**Minimum Grade Requirements:** Successful completion of a Graduate Certificate Program requires a minimum cumulative GPA of 3.0 for all courses required for the Certificate, and a grade of 2.7 or higher for each individual course counted toward the Certificate.

### I Course Requirements

#### A. Required Courses (16+ credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPI 512</td>
<td>Epidemiologic Methods I <em>(Prerequisite prior or concurrent BIOST 511 enrollment)</em></td>
<td>4</td>
<td>1st AUT</td>
</tr>
<tr>
<td>EPI 513</td>
<td>Epidemiologic Methods II <em>(Prerequisite EPI 512)</em></td>
<td>4</td>
<td>1st WIN</td>
</tr>
<tr>
<td>BIOST 511</td>
<td>Medical Biometry I <em>(If possible, take in 1st Summer)</em></td>
<td>4</td>
<td>1st SU/AU</td>
</tr>
<tr>
<td>BIOST 524</td>
<td>Design of Medical Studies <em>(Prerequisites BIOST 511 and EPI 512)</em></td>
<td>3</td>
<td>1st SPR</td>
</tr>
</tbody>
</table>

**ONE of these three:**

- **Noncredit** Biomedical Research Integrity Series *(3 lectures or videotapes & 3 discussions required, beginning in June.)* 0 SUM
- MHE 536 Research Ethics and Regulation 3 WIN (not every year)
- MHE 597 Applied Research Ethics 1 SUM (not every year)

- EPI /HSERV/ or BIOST 600 Capstone Project *(See information on website.)* 1 All

#### B. Electives (Choose 2+ Credits from this List):

- EPI 541 Introduction to Systematic Reviews and Meta-analysis of Evidence 2 SPR
- EPI 542 Clinical Epidemiology *(Prerequisites EPI 512 and 513)* 2 2nd SUM
- EPI 573 Biological Measurements in Epidemiologic Research *(Prerequisite EPI511 or EPI512; may be taken concurrently with EPI 512)* 3 AUT
- EPI 587 Practical Aspects of Research Operations, formerly EPI 590 Research Operations 3 WIN
- HSERV 583 Economic Evaluation in Health and Medicine 3 AUT
- HSERV 584 Assessing Outcomes in Health and Medicine 3 WIN
- PHARM 523 Survey of Biomedical Regulatory Affairs 3 SPR

**For current schedule, email (your department)**

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II Planning Your Schedule
General advice: plan your courses carefully because
1. Some courses require other courses (e.g., BIOS 511, Epi 513, etc.) as prerequisites. Prerequisite courses should be taken as early as possible. Take BIOS 511 your first quarter (summer or autumn).
2. Most courses are offered only once per year, in a specific quarter. Some are offered only every other year.

III Program Policies and Procedures

A. Advising Appointment
All newly-admitted certificate students must schedule an advising appointment prior to registering for classes. Contact (your department)

B. Course Substitutions
Students whose prior training includes one or more of the above required courses may have that course requirement waived; these students are still required to earn at least 18 total credits by taking additional electives from the list. Instructor permission may be required for some courses. All substitutions or waivers must be approved by Professor Tom Koepsell.

If you are currently enrolled in a graduate degree program at the University of Washington, a maximum of 6 credits of electives courses taken for the certificate program may count toward your graduate degree as “electives credit,” but these may not be used to satisfy degree core requirements, according to UW Graduate School Policy.

C. Capstone Project
Students will complete the Capstone Project by registering for at least 1 credit of EPI 60 or BIOS 60 or HSERV 600. A faculty code is required from the department in which the course is offered. If you need suggestions for potential preceptors, contact (your department). Students must notify the Epidemiology Program Office at (your office) of the title and faculty adviser for their Capstone Project.

D. IRB Approval for Capstone Project
Most Capstone Projects will be either a critical literature review or a proposal, neither of which requires Institutional Review Board (IRB) review. In the unusual circumstance when a Capstone Project involves new analysis of a research database or new data collection on human subjects, IRB approval (or exemption from the IRB) must be obtained. For more information contact (your department).

E. Certificate Completion
Students near completion of the certificate must notify the EPI Program Office at (your office), so that the certificate is entered into the UW Student Database. When the certificate is completed, graduate certificates will be shown on the student’s official transcript from the University of Washington.