

# AREA OF APPLICATION POLICY

## COMPUTER SCIENCE

The Bachelor of Arts degree in Computer Science requires 30 credits for an Area of Application. This policy describes the Area of Application

### **AREA OF APPLICATION REQUIREMENTS AND PROCESS**

Students typically complete the Area of Application by completing a minor. Students also may propose to complete a coordinated set of courses to complete the Area of Application (in lieu of a minor). In either case, students must officially declare their Area of Application so it is appropriately filled in on their program evaluation on MySeattleU. This must be done before applying for graduation. It is recommended that this be done as soon as they know which courses they plan to take to satisfy the Area of Application requirement.

The process for declaring an Area of Application varies:

#### **1. A MINOR EXCEPT DATA SCIENCE OR MATHEMATICS**

Students declare the Area of Application using the following steps

1. Declare the minor using the “Program Add/Drop/Change Form”.
2. Once the minor appears on MySeattleU, make sure all future courses that they plan to take as part of the minor are entered into the MySeattleU Course Plan.
3. Notify their advisor via email that the minor is filled in on MySeattleU.
  - a. The student cannot use courses that already satisfy BA requirements. If they do, the student will need to specify additional courses to have 30 unique area of application credits (see the section on Overlapping Courses below).
4. The student’s advisor will contact the registrar’s office to have the Area of Application filled in.

#### **2. A DATA SCIENCE MINOR**

The procedure for a data science minor differs since that minor includes many courses that are requirements for the BA degree. University policy requires the 30 credits for the area of application to be unique (see the section on Overlapping Courses below).

Students must complete the following courses:

##### *A. Courses required for BA and Data Science Minor (20 credits, not part of Area of Application)*

- CPSC 1420 (or CPSC 1220)
- MATH 2310
- CPSC 3300
- CS / Data Science Elective: CPSC 4310, CPSC 4330, or CPSC 4610

##### *B. Courses required for Data Science Minor but not required for the BA (10 credits, part of Area of Application)*

- DATA 3310 or BUAN 4220
- DATA 3320

*C. Additional courses required for area of application (20 credits, part of Area of Application)*

- 20 credits of courses that include computer science courses (beyond what the BA requires), mathematics courses (MATH 1336 and/or any math course higher than MATH 2310), and/or additional data science electives. These courses must be approved by the student's advisor.

Note that courses from sets A and B above will be used to satisfy the 30 credits for the Data Science Minor while courses from sets B and C above will be used to satisfy the Area of Application. Once the courses have been chosen, the student follows the following procedure to declare the Area of Application:

1. Declare the data science minor using the "Program Add/Drop/Change Form".
2. Once the minor appears on MySeattleU, make sure all future courses that they plan to take as part of the minor are entered into the MySeattleU Course Plan.
3. Send the advisor an email that the minor is filled in on MySeattleU along with the set of additional courses (set C) that will be used to satisfy the Area of Application.
4. Upon approval of the additional courses, the advisor will contact the registrar's office to have the Area of Application filled in.

### **3. A MATHEMATICS MINOR**

The procedure for a mathematics minor differs since it includes many courses that are requirements for the BA degree. University policy requires the 30 credits for the Area of Application to be unique (see the section on Overlapping Courses below).

Students must complete the following courses:

*A. Courses required for BA and Mathematics Minor (15 credits, not part of the Area of Application)*

- MATH 1334
- MATH 1335
- MATH 2310

*B. Courses required for Mathematics Minor but not required for the BA (15 credits, part of the Area of Application)*

- MATH 1336
- 10 credits of approved mathematics courses (higher than MATH 2310)

*C. Additional courses required for the area of application (15 credits, part of the Area of Application)*

- 15 credits of courses that include computer science courses (beyond what the BA requires), additional mathematics courses (higher than MATH 2310), and/or data science courses. These courses must be approved by the advisor.

Note that courses from sets A and B above will be used to satisfy the 30 credits for the Mathematics Minor while courses from sets B and C above will be used to satisfy the Area of Application.

Once the courses have been determined, the student follows this procedure to declare the Area of Application:

1. Declare the Mathematics Minor using the "Program Add/Drop/Change Form".
2. Once the minor appears on MySeattleU, make sure all future courses that they plan to take as part of the minor are entered into the MySeattleU Course Plan.
3. Send their advisor an email that the minor is filled in on MySeattleU, along with the set of additional courses (set C) that will be used to satisfy the Area of Application
4. Upon approval of the additional courses, the advisor will contact the registrar's office to have the Area of Application filled in.

#### **4. COORDINATED SET OF COURSES**

Students also may propose to complete a coordinated set of courses to complete the Area of Application (in lieu of a minor). The set of courses must be approved by the department chair and must meet the following criteria:

- The set of courses must be coordinated and related in some way.
- There must be depth and rigor that is comparable to a typical minor.
- The set cannot contain any course that is satisfying a major requirement or a UCOR requirement.

To declare an Area of Application using a coordinated set of courses the student:

1. Sends an email to the department chair with the list of courses along with a brief explanation on how they meet the criteria listed above.
2. The chair will either approve or reject the set of courses.
  - a. If the set of courses is approved, the chair will contact the registrar's office to have the Area of Application filled in.
  - b. The set of courses is rejected, the chair will inform the student why it was rejected. The student has the opportunity to resubmit a new set of courses.

Additional notes:

- Students must be officially enrolled in the BA program to declare an Area of Application.
- Students may change the courses used for the Area of Application. This is done by sending an email to the advisor (for minors) or chair (for coordinated set of courses) describing the change. The advisor / chair must approve the change. Upon approval, the advisor / chair will notify the registrar's office of the change.
- Students may switch to a different minor or to using a coordinated set of courses. In this case, the student must restart the declaration process from the beginning.
- Students may use courses for an additional major (instead of a minor) to satisfy the area of application. In this case, student should follow the directions for "Coordinated Set of Courses" and select 30 credits of courses that are used for that major.

#### **OVERLAPPING COURSES**

If the minor uses courses that are already part of the BA degree, students will need additional courses such that the student completes 30 unique credits that do not overlap with other BA requirements. It is a university policy that a single course cannot be used to satisfy more than one major requirement.

In this situation, the student can still select the minor for the Area of Application. They will need to satisfy the minor requirements and take additional credits to obtain 30 unique credits for the Area of Application. The additional credits, which must be approved by the advisor, must be somewhat related to the minor discipline and/or be computer science courses.

More detailed descriptions for the data science and mathematics minor are presented earlier in the document. However, this policy applies to any minor where it is possible to use a course that is required in the BA.