Certain courses are required for admission to the Clinical Laboratory Sciences major; some of these courses (as noted in bold print on the list below) also fulfill University of Minnesota, Twin Cities (UMTC) Liberal Education Requirements, which must be met by students entering a baccalaureate degree program at the University. Further information about the UMTC requirements may be found in the class schedule each semester. Use this planning sheet in consultation with an adviser and in conjunction with your degree audit. It is strongly recommended that you complete the UMTC requirements prior to beginning the 4th year of the Clinical Laboratory Sciences Program.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>University of MN courses that fulfill prerequisite requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistics</td>
<td>STAT 3011 or ESPY 3264</td>
</tr>
<tr>
<td>Mathematics</td>
<td>MATH 1051 or 1142 or 1271</td>
</tr>
<tr>
<td>General Chemistry with lab</td>
<td>CHEM 1061+1065 AND CHEM 1062+1066</td>
</tr>
<tr>
<td>Organic Chemistry lecture</td>
<td>CHEM 2301 AND CHEM 2302</td>
</tr>
<tr>
<td>Biology</td>
<td>BIOL 1009 or BIOL 2002</td>
</tr>
<tr>
<td>Physiology</td>
<td>PHSL 3051</td>
</tr>
<tr>
<td>Liberal Education Requirements</td>
<td>Students seeking bachelor’s degrees also need to complete Liberal Education requirements. For specific information, refer to the liberal education section in the Class Schedule or request a degree audit from your advising office.</td>
</tr>
</tbody>
</table>

All prerequisite science courses must be taken A/F.

**Year 3 Courses can be completed prior to admission:** The following three classes are not prerequisites for admission, but are required in Year 3 of the CLS curriculum. Students who have completed these courses can apply for admission as a Year 4 student:

1. Biochemistry
   - BIOC 3021 (3)
2. Microbiology
   - MICB 3301 - Biology of Microorganisms with Laboratory (5) or
   - VBS 2032 – General Microbiology with Laboratory (4)
3. Genetics
   - BIOL 4003 - Genetics (3) or
   - GCD 3022 - Genetics (3)

Scheduling Courses: Care must be taken in scheduling courses; they may not be available every semester. Talk with your adviser for course planning and sequencing. Complete required pre-requisite science courses during spring semester the year of transfer.

Please keep this planning document and bring it with you to each adviser meeting. **Course requirements and prerequisites may change**; please consult with an adviser on a regular basis. This document is available in alternate formats upon request.

*Monitor the web site regularly for possible changes: [http://cahp.umn.edu](http://cahp.umn.edu)*
How to Apply


Non U of M Students – 1. Apply for admission to the University of Minnesota http://admissions.tc.umn.edu/apply and submit official transcripts for all college coursework to Admissions, AND 2. COMPLETE THE CLS ONLINE APPLICATION FORM with application fee.

The CLS application is located on the Center for Allied Health Programs website, http://cahp.umn.edu. Please refer to the program website for application deadlines and answers to frequently asked questions.

Other Recommendations

- Attend a CLS First-Step meeting through the Health Careers Center (HCC). Future dates and times can be found on the HCC website, http://www.healthcareers.umn.edu/.
- CLSP 1010, Orientation to Clinical Laboratory Sciences, 1 cr.
- A course in medical terminology (PHAR 1002) is recommended.
- Students must complete 60 semester or 90 quarter credits prior to admission to the professional program.
- Students planning to pursue graduate programs should take college level calculus (MATH 1271 and 1272).
- Other recommended courses include Human Anatomy (ANAT 3001 or 3601 or 3611), Immunology (CLSP 4401), and/or Pathology (LAMP 4177).

Admission

Your cumulative and required science course grade point average (GPA) is considered for admission. The minimum preferred GPA for both criteria is 2.5; however our application pool is such that most competitive applicants have GPAs of 3.0 or higher. Note that the CLS Program has performance sites in Minneapolis and Rochester. Students will be placed at either site in year 4 of the curriculum. Site preference is taken into account, but placement at a preferred location is not guaranteed.

Advising

Advising for pre-clinical laboratory science students is provided in the Clinical Laboratory Sciences office, 15-194 Phillips-Wangensteen Building. For more information or an appointment, call the Student Service Staff in the Center for Allied Health Programs at (877) 334-2659 or email cahpinfo@umn.edu. Prospective students should attend a HCC First Step meeting before scheduling a one-to-one advising appointment.

Scholarships

The web site has information on scholarship opportunities at http://cahp.umn.edu. The application deadline is the first of April. Apply even though you have not been admitted by the first of April. Submit a FAFSA form as well.

Non-Course Requirements for Program Eligibility

Criminal Background Check. Clinical Laboratory Science students are placed in a variety of clinical settings during their clinical coursework. In accord with Minnesota law, a criminal background check is required of each student before clinical courses. The CLS Program arranges this check.

Immunizations. Upon admission to the AHC academic programs, students are required to submit proof of certain immunizations and vaccinations. Please note that the hepatitis vaccine series takes several months to complete. Specific requirements are available on the web http://www.bhs.umn.edu/immunization-requirements.htm

Immunizations need to be completed prior to the start of fall term; therefore, start early.

Health Insurance Coverage. It is expected that AHC students carry health insurance coverage to cover emergency medical situations. It is recommended that the AHC students carry the AHC student insurance policy because of its scope of coverage or other personal, spousal or parental policy that is equivalent to the current student insurance. Each AHC student should carry insurance information at all times on clinical and community educational rotations to have available in emergency situations. Written documentation is needed with a nurse or doctor’s signature (include the clinic site).

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