Lewis & Clark College
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Accreditation
Lewis & Clark College is accredited by the Northwest Commission on Colleges and Universities. Lewis & Clark is a member of the American Council on Education, the Association of American Colleges, the College Entrance Examination Board, and the Northwest Association of Private Colleges and Universities. Lewis & Clark is on the approved lists of the American Chemical Society and the American Association of University Women.

Disclaimer
Lewis & Clark College reserves the right to withdraw courses at any time, change the fees, change the rules and calendar regulating admission and graduation requirements, and change any other regulations affecting the student body. Changes shall become effective when approved and shall apply not only to prospective students but also to those who are matriculated in Lewis & Clark College at the time. The contents of this catalog are based on information available to the administration at the time of publication.

Nondiscrimination Statement
Lewis & Clark adheres to a nondiscriminatory policy with respect to employment, enrollment, and program. Lewis & Clark does not discriminate on the basis of actual or perceived race, color, sex, religion, age, marital status, national origin, the presence of any physical or sensory disability, veteran status, sexual orientation, gender identity, or gender expression and has a firm commitment to promote the letter and spirit of all equal opportunity and civil rights laws, including Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, Title VII of the Civil Rights Act of 1964, the Age Discrimination Act, the Americans with Disabilities Act of 1990, and their implementing regulations.

ADA Statement
Lewis & Clark is committed to serving the needs of its students with disabilities and learning differences. Professional staff in Student Support Services ensure that students with disabilities receive the benefits of a comprehensive selection of services as outlined under the Americans With Disabilities Act (1990) and Section 504 of the National Rehabilitation Act of 1973. A formal student disability grievance procedure provides prompt and equitable resolution of any complaints related to ADA or Section 504.

To view the full text of Lewis & Clark’s disability policy, visit go.lclark.edu/student/disability/policy (http://search.lclark.edu/keywords/919).

Please route undergraduate and graduate student requests for accommodations through Student Support Services at www.lclark.edu/offices/student_support_services.

Security
The security of all members of the campus community is of vital concern to Lewis & Clark. Information about safety (http://www.lclark.edu/about/campus_safety/overview/), the enforcement authority of the Office of Campus Safety (http://www.lclark.edu/about/campus_safety/), policies (http://www.lclark.edu/about/campus_safety/policies/) concerning the reporting of any crimes that may occur on campus, and crime statistics (Clery) (http://www.lclark.edu/about/campus_safety/crime_statistics/) for the most recent three-year period is available at www.lclark.edu/about/campus_safety. You may also request this information from the Office of Campus Safety (http://www.lclark.edu/about/campus_safety/) at 503-768-7855.

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See also Mathematical Sciences (http://docs.lclark.edu/undergraduate/mathematics/), Chemistry (http://docs.lclark.edu/undergraduate/chemistry/), and Physics (http://docs.lclark.edu/undergraduate/physics/).

For students seeking a traditional engineering background leading to certification, Lewis & Clark has joined several nationally recognized engineering schools to offer a cooperative program that provides students with the advantages of a liberal arts education as a complement to rigorous studies in engineering. This engineering program, commonly referred to as the "3-2 Program," enables a student to complete three years of study at Lewis & Clark, followed by two years at the engineering school. The student earns a degree from each school.

Lewis & Clark cooperates in this program with three institutions: Columbia University in New York (http://www.columbia.edu/), Washington University in St. Louis (http://wustl.edu/), and the University of Southern California in Los Angeles (http://www.usc.edu/).

In all of these 3-2 programs, the student earns one bachelor’s degree from Lewis & Clark and one from the engineering school. Some of these schools also provide 4-2 options in which the student may complete a four-year degree at Lewis & Clark and then enter a two-year program toward either the bachelor’s or the master’s degree in engineering.

The existence of a formal 3-2 or 4-2 agreement between Lewis & Clark and these three institutions essentially assures students admission to the engineering schools upon completing a required set of courses with a satisfactory GPA, typically 3.000, and the recommendation of the Lewis & Clark faculty. In addition, Lewis & Clark students sometimes enroll in engineering schools at other institutions upon graduation or by transfer. The preengineering advisor (the coordinator of the engineering program) works with students individually, helping them evaluate the relative merits of various options. Students are kept informed about the program through regular mailings and annual visits from representatives of the engineering schools.

Students interested in these programs should meet with the preengineering advisor as soon as they enroll at Lewis & Clark. Preengineering students generally take mathematics (through differential equations), chemistry, physics, and computer science. Students are strongly encouraged to take full advantage of Lewis & Clark's diverse course offerings in the arts, humanities, and social sciences during their studies.

Note: Because Lewis & Clark does not offer a "preengineering" major, students must choose a standard Lewis & Clark major such as mathematics, chemistry, physics, or economics. They must plan a course of study that will enable them to meet the requirements of the engineering school and complete all but two or three courses of those required for the Lewis & Clark major. Preengineering students must also meet all of Lewis & Clark's General Education requirements (http://docs.lclark.edu/undergraduate/graduationrequirements/generaleducation/).

Students in the 3-2 program must spend a minimum of four full-time semesters at Lewis & Clark (excluding summer session) and complete 93 semester credits, 60 of which must be taken in residence at Lewis & Clark, before proceeding to the engineering school. For these students, Lewis & Clark waives its senior-year academic residency requirement. The chair of the student’s major department evaluates courses at the engineering school as substitutes for completing the student’s Lewis & Clark major requirements.

Program Requirements

Although students may graduate with any Lewis & Clark major, they should plan their schedules so as to complete the following courses by the end of the junior year. Since each school has different requirements, students should consult with the preengineering advisor as early as possible to plan the most effective and profitable course of study at Lewis & Clark.

Chemistry

• CHEM 110 General Chemistry I

• CHEM 120 General Chemistry II (Note that some programs require only one semester of chemistry.)

Computer Science

• CS 171 Computer Science I

Mathematics

• MATH 131 Calculus I

• MATH 132 Calculus II

• MATH 233 Calculus III

• MATH 235 Differential Equations
Physics

• One of the following sequences:

  PHYS 141  Introductory General Physics I
  PHYS 142  Introductory General Physics II

  or

  PHYS 151  Physics I: Motion
  PHYS 152  Physics II: Waves and Matter
  PHYS 251  Physics III: Electromagnetism
  PHYS 252  Physics IV: Thermodynamics
             and Statistical Mechanics

• Also recommended:

  PHYS 201  Experimental Methods in the
             Physical Sciences

Other

• All programs require four or five courses
  in the arts, humanities, and social sciences.
  Washington University requires at least two
  courses in the humanities and two in the social
  sciences, and one of these must be at the junior
  or senior level.

• Columbia University requires one course in
  economics.

Students planning a career in chemical
  engineering should add the following:

  CHEM 210  Organic Chemistry I
  CHEM 220  Organic Chemistry II
  CHEM 310  Physical Chemistry:
             Thermodynamics and Kinetics
  CHEM 320  Physical Chemistry: Statistical
             Mechanics and Quantum
             Chemistry

Students planning a career in computer science
  should add the following:

  CS 172    Computer Science II
  CS 373    Programming Language
             Structures
  CS 383    Algorithm Design and Analysis
  MATH 215  Discrete Mathematics

Students planning a career in electrical and
  electronic engineering should add the following: