University of Washington Division of Occupational Therapy
Prerequisite guide for University of Washington Courses

This list is provided for prospective applicants to assist them in identifying the prerequisite course at the University of Washington. It is not meant to be a comprehensive list of all courses. Please note that some courses may not be listed; if needed, please contact us for more clarification.

Natural Sciences

- **Survey of Physiology**
  Human physiology (for non-majors).
  - **BIOL 118 Survey of Physiology (5) NW**
    Human physiology, for nonmajors and health sciences students. Offered: AWSpS.

- **General Anatomy**
  Survey of human anatomy with correlated lectures and lab. Includes: human skeletal system, muscles, joints, neuroanatomy, circulatory system, digestive system, urinary system, and reproductive system.
  - **B STR 301 General Anatomy (4) NW**
    Survey of systemic human anatomy, including human skeletal system, muscular system, respiratory system, circulatory system, nervous system, digestive system, endocrine system, urinary system, and reproductive system. For second-, third-, and fourth-year undergraduates. Offered: Sp.

- **Principles of Chemistry**
  Atoms and molecules, their interactions with energy, and their reactions; emphasizes impact of chemistry on everyday life.
  - **CHEM 110 Introduction to General Chemistry (3-5) NW**
    Introduction to general chemistry with an emphasis on developing problem solving skills. Covers basic concepts of chemistry along with the mathematics required for quantitative problem solving. For students without high school chemistry or with limited mathematics background. Successful completion of CHEM 110 prepares students to enroll in CHEM 142. Credit/no-credit only. Offered: A.
  - **CHEM 120 Principles of Chemistry I (5) NW, QSR**
    First course in a three-quarter overview of general chemistry, organic chemistry, and biochemistry. Not for students majoring in biochemistry, chemistry, or engineering. Includes matter and energy, chemical nomenclature, chemical reactions, stoichiometry, modern atomic theory, chemical bonding. Laboratory. Only 5 credits can be counted toward graduation from the following: CHEM 120, CHEM 142, CHEM 145. Offered: AS.
  - **CHEM 142 General Chemistry (5) NW, QSR**
    For science and engineering majors. Atomic nature of matter, stoichiometry, gas
laws, chemical equilibrium, solubility, and acids and bases. Includes laboratory. No more than the number of credits indicated can be counted toward graduation from the following course groups: CHEM 142, CHEM 145 (5 credits). Cannot be taken for credit if CHEM 120 already taken. Offered: AWSpS.

- **CHEM 145 Honors General Chemistry (5) NW, QSR**
  CHEM 145 and CHEM 155 cover material in CHEM 142, CHEM 152, and CHEM 162. Includes laboratory. Prerequisite: either MATH 124 or MATH 134, either of which may be taken concurrently; score of 66% on HCHEMC placement test, score of 3, 4 or 5 on AP Chemistry exam, or IB score of 5, 6, or 7 on high level chemistry exam. No more than the number of credits indicated can be counted toward graduation from the following course groups: CHEM 142, CHEM145 (5 credits); CHEM 145, CHEM 155, CHEM 162 (10 credits). Offered: A.

### Basic Statistics

- **STAT 220 Principles of Statistical Reasoning (5) NW, QSR**
  Introduces statistical reasoning. Focuses primarily on the what and why rather than the how. Helps students gain an understanding of the rationale behind many statistical methods, as well as an appreciation of the use and misuse of statistics. Encourages and requires critical thinking. (Students may receive credit for only one of STAT 220, STAT 221/CS&SS 221/SOC 221, STAT 311, and ECON 311.) Offered: AWSpS.

- **STAT 221 Statistical Concepts and Methods for the Social Sciences (5) NW, QSR**
  Develops statistical literacy. Examines objectives and pitfalls of statistical studies; study designs, data analysis, inference; graphical and numerical summaries of numerical and categorical data; correlation and regression; and estimation, confidence intervals, and significance tests. Emphasizes social science examples and cases. (Students may receive credit for only one of STAT 220, STAT 221, STAT 311, STAT 221/CS&SS 221/SOC 221, and ECON 311.) Offered: jointly with CS&SS 221/SOC 221; AWSp.

- **STAT 311 Elements of Statistical Methods (5) NW, QSR**
  Elementary concepts of probability and sampling; binomial and normal distributions. Basic concepts of hypothesis testing, estimation, and confidence intervals; t-tests and chi-square tests. Linear regression theory and the analysis of variance. (Students may receive credit for only one of STAT 220, STAT 221, STAT 311, and ECON 311.) Prerequisite: either MATH 111, MATH 120, MATH 124, MATH 127, or MATH 144. Offered: AWSpS.

- **STAT 320 Evaluating Social Science Evidence (5) I&S, QSR**
  A critical introduction to the methods used to collect data in social science:
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surveys, archival research, experiments, and participant observation. Evaluates "facts and findings" by understanding the strengths and weaknesses of the methods that produce them. Case based. Offered: jointly with CS&SS 320/SOC 320.

- **SOC 221 Statistical Concepts and Methods for the Social Sciences (5) NW, QSR**
  Develops statistical literacy. Examines objectives and pitfalls of statistical studies; study designs, data analysis, inference; graphical and numerical summaries of numerical and categorical data; correlation and regression; and estimation, confidence intervals, and significance tests. Emphasizes social science examples and cases. (Students may receive credit for only one of STAT 220, STAT 221, STAT 311, STAT 221/CS&SS 221/SOC 221, and ECON 311.) Offered: jointly with CS&SS 221/STAT 221; AWSp.

- **PSYCH 317 Introduction to Probability and Statistics for Psychology (5) QSR**
  Probability theory as a model for scientific inference. Probabilistic variables and experimental outcomes, conditional probability, binomial and related distributions, experiments as samples, statistics and sampling distributions, the normal distribution, confidence intervals, problems of estimation from experiments. Prerequisite: minimum 2.5 grade in PSYCH 209; 2.0 in either MATH 124, MATH 134, or MATH 144. Offered: AW.

- **Q SCI 381 Introduction to Probability and Statistics (5) NW, QSR**
  Applications to biological and natural resource problems stressing the formulation and interpretation of statistical tests. Random variables, expectations, variances, binomial, hypergeometric, Poisson, normal, chi-square, "t" and "F" distributions. Prerequisite: either MATH 120, MATH 124, MATH 125, MATH 126, Q SCI 190, or Q SCI 291, or a minimum score of 2 on advanced placement test, or a score of 153-163 on the MPT-AS placement test. Offered: AWSpS.

**Social Sciences**

- **Abnormal Psychology**
  An overview of major categories of psychopathology, including description and classification, theoretical models, and recent research on etiology and treatment.

  - **PSYCH 305 Abnormal Psychology (5) I&S**
    An overview of major categories of psychopathology, including description and classification, theoretical models, and recent research on etiology and treatment. Prerequisite: minimum 2.0 grade in PSYCH 202; 2.0 in PSYCH 209.
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- **Developmental Psychology**
  An analysis of psychological development of the child in relation to biological, physical, and sociological antecedent conditions from infancy to adolescence. Courses including development through the life span are acceptable.

  - **PSYCH 206 Human Development (5) I&S**
    Theoretical perspectives and research methods in child development with an overview of historical and current works. Includes prenatal and biological development, the development of cognitive, linguistic, and social and emotional abilities. Not open for credit to students who have taken PSYCH 306. Prerequisite: PSYCH 101.

  - **PSYCH 306 Developmental Psychology (5) I&S**
    Overview of past and present theoretical and research-based approaches to biological, cognitive, and social development from the prenatal period to early adolescence. Prerequisite: minimum 2.0 grade in PSYCH 202; 2.0 in PSYCH 209.

  - **NURS 201 Growth and Development Through the Life Span (5-6) I&S**
    Focuses on human growth and development throughout the life span. Emphasizes influence of growth and development theory and research on achievement of health and health promotional efforts directed toward persons of various ages and life styles. Optional service learning component. Open to nonmajors. Offered: AWS.

- **Survey of Sociology**
  Human interaction, social institutions, social stratification, socialization, deviance, social control, social and cultural change.

  - **SOC 110 Survey of Sociology (5) I&S**
    Human interaction, social institutions, social stratification, socialization, deviance, social control, social and cultural change. Course content may vary, depending upon instructor.

  --OR--

- **Sociocultural Anthropology**
  Comparison of lifeways of various non-Western and Western peoples.
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- **ANTH 101 Exploring Sociocultural Anthropology (5) I&S, DIV D. HOFFMAN**
  Introduces perspectives from sociocultural anthropology on the diversity and the dynamics of collective human life. Examines how individual lives are shaped by broader social and cultural contexts, how people make meaning, and how power relations work. Introduces ethnography as a method for documenting and understanding social and cultural life.

- **ANTH 202 Principles of Sociocultural Anthropology (5) I&S**
  Comparison of life ways of various non-Western and Western peoples. Introduction to basic theories and methods used in the field.