

# GENERAL UNIVERSITY REQUIREMENTS (GURs) 2007-08

The General University Requirements apply to all students in the College of Humanities and Social Sciences, the College of Business and Economics, the College of Sciences and Technology, the College of Fine and Performing Arts, the Woodring College of Education, and Huxley College of the Environment. Students enrolled in Fairhaven College of Interdisciplinary Studies, see the Fairhaven College section of the university catalog for requirements.

## EXCEPTIONS:

- 1) Students transferring to Western with a Washington community college DTA (Direct Transfer Agreement) Associate Degree.
- 2) Students transferring to Western from another Washington state public baccalaureate institution whose General University Requirements were complete at the sending institution, provided the sending institute so certifies.

## FOUR-COURSE MAXIMUM

A maximum of four courses from any one department may be applied to the combination of Humanities, Social Sciences, and Comparative, Gender and Multicultural Studies sections of the General University Requirements. (*Art and Art History are considered one department as are all foreign languages.*)

## GRADES IN GUR COURSES

Courses which are to apply to General University Requirements must be taken on an "A" through "F" grading scale. They may not be taken with Pass/No Pass grading. Except for Eng 101, which requires a C- or better, the minimum passing grade for GUR courses is D- (Math courses must be passed with a grade of C- or higher if used as a prerequisite to another course).

## SYMBOLS

Please note the use of GUR symbols in the Timetable. Courses which qualify as General University Requirements are designated by the appropriate code (ACOM, BCOM, CCOM, QSR, HUM, SSC, ACGM, BCGM, LSCL, or SCI).

## COMMUNICATION

The Communications requirement provides an opportunity to develop the literacies and skills needed to convey ideas effectively in a variety of contexts. This area includes courses in writing, speaking and information technology literacy, and aims to foster an ability to reason critically by analyzing situations and adapting messages to particular audiences in particular contexts. The ability to express ideas clearly, creatively, and correctly is fundamental to a quality undergraduate education, and essential for active participation in a democracy.

### Complete Block A and one course from either Block B or Block C.

**Block A – (ACOM) ENGLISH (ENG) 101, Writing and Critical Inquiry (4).** This course must be completed with a grade of C- or better. Requirement will be waived for students demonstrating high English competency on Advanced Placement (CEEB English score of 4) or college entrance exams (SAT Critical Reading 710/ACT English 28).

### Block B – (BCOM):

#### ◆COMMUNICATION (COMM)

- 101–Fundamentals of Speech (4)
- 224–Small Group Processes (4)
- 235–Exposition and Argumentation (4)

#### ◆COMPUTER SCIENCE (CSCI)

- 102–Computer-Mediated Communications (3)

#### ◆EDUCATION (EDUC)

- 309–Storytelling–Oral Narrative in History, Culture, and Society (4)

#### ◆ENGLISH (ENG)

- 202–Writing About Literature (5)
- 203–Writing in Context (5)

#### ◆JOURNALISM (JOUR)

- 207–Newswriting (4)

#### ◆MODERN AND CLASSICAL LANGUAGES

- Arabic (ARAB) 103 (5)
- Chinese (CHIN) 103 (5), 201 (5)
- French (FREN) 103 (5), 104 (5), 201 (5)
- German (GERM) 103 (5), 104 (5), 201 (4)
- Greek (GREK) 103 (5), 201 (4)
- Japanese (JAPN) 103 (5), 104 (5), 201 (4)
- Latin (LAT) 103 (5), 201 (4)
- Russian (RUSS) 103 (4), 201 (4)
- Spanish (SPAN) 103 (5), 104 (5), 201 (5)

#### ◆PHILOSOPHY (PHIL)

- 107–Logical Thinking (3)

### Block C – (CCOM):

#### ◆ART HISTORY (A/HI)

- 275–Introduction to Writing and Critical Thinking (4)

#### ◆COMMUNICATION (COMM)

- 322–Civil Discourse as Learning Interaction (4)

#### ◆DANCE (DNC)

- 231–Introduction to Dance in Western Cultures (3)

#### ◆HISTORY (HIST)

- 203–Writing About Gender and Race in the U.S. 1492-1877 (5)

#### ◆WOMEN STUDIES (WMNS)

- 212–Feminist Theory & Expression (4)

### OR—Complete Block A and one of the following sets:

#### ◆HONORS (HNRS)

- 103, 104, 105 (4 ea) or
- 103, 104, 106 (4 ea)

## QUANTITATIVE AND SYMBOLIC REASONING (QSR)

Quantitative and symbolic reasoning is the ability to distinguish situations in which numerical or symbolic information is relevant, and to decide how to analyze and present numerical or symbolic information to reach valid conclusions. Specifically, a symbolic reasoner has the ability to understand the logic and validity of an argument

through analyzing the relationships between/among components, connections and contingencies. An accomplished quantitative and symbolic reasoner has a sense of the relative size of numbers, is able to read and present graphs and charts, can decide whether an argument involving data is valid, understands the language of variable and relations, and understands how to model situations in order to make decisions and predictions.

Initial enrollment in beginning mathematics courses is based upon the results of the Math Placement Tests (*tests that show a student is ready to begin the study of a subject*). These tests must be taken prior to registration. Refer to the Mathematics Department for more information on academic placement and advanced standing.

All students must complete the QSR Requirement by accumulation of 90 credits.

### Complete one of the following options:

**Notes:** You may test out of Math 107 or Math 112, but not both. Math 112 was formerly Math 102.

#### Option 1:

**MATH 107**—Mathematical Reasoning and Its Applications (4) **and one course from:**

##### ◆ANTHROPOLOGY (ANTH)

- 335–Quantitative Methods in Anthropology (5)

##### ◆COMPUTER SCIENCE (CSCI)

- 103–Introduction to Computer Game Development (4)
- 172–Introduction to Robotics (4)

##### ◆MATH (MATH)

- 112–Functions and Algebraic Methods (5)

##### ◆PHILOSOPHY (PHIL)

- 102–Introduction to Logic (3)

##### ◆SOCIOLOGY (SOC)

- 215–Social Statistics (5)

#### Option 2:

**MATH 112**—Functions and Algebraic Methods (5) **and one course from:**

##### ◆ANTHROPOLOGY (ANTH)

- 335–Quantitative Methods in Anthropology (5)

##### ◆COMPUTER SCIENCE (CSCI)

- 103–Introduction to Computer Game Development (4)
- 172–Introduction to Robotics (4)

##### ◆MATH (MATH)

- 107–Mathematical Reasoning and Its Applications (4)

##### ◆PHILOSOPHY (PHIL)

- 102–Introduction to Logic (3)

##### ◆SOCIOLOGY (SOC)

- 215–Social Statistics (5)

#### Option 3:

**One transfer course with an MPAR attribute and one course from:**

##### ◆MATH (MATH)

- 112–Functions and Algebraic Methods (5)

##### ◆PHILOSOPHY (PHIL)

- 102–Introduction to Logic (3)

#### Option 4:

**One course from:**

##### ◆MATH (MATH)

- 114–Precalculus I (5)
- 115–Precalculus II (5)
- 118–Accelerated Precalculus (5)
- 124–Calculus and Analytic Geometry (5) (*Only one of Math 124 and Math 134 may be taken for credit*)
- 134–Honors Calculus I (5) (*Only one of Math 134 and Math 124 may be taken for credit*)
- 156–Algebra With Applications to Business and Economics (4)
- 157–Calculus With Applications to Business and Economics (4)
- 240–Introduction to Statistics (4)

**❖COMPUTER SCIENCE (CSCI)**

- 138–Programming Fundamentals in Visual Basic (4)
- 139–Programming Fundamentals in Python (4)
- 140–Programming Fundamentals in C++ (4)
- 141–Computer Programming I (4)
- 145–Computer Programming and Linear Data Structures (4)

**Option 5:****BAE-Elementary Education students only:****❖MATH (MATH)**

- 381–Teaching K-8 Mathematics I (4) *and*
- 382–Teaching K-8 Mathematics II (4)

**HUMANITIES (HUM)**

The Humanities requirement provides an introduction to the subject matter, methods of inquiry and forms of expression of academic fields that treat language, literature, fine arts, history, philosophy and religion in the Western cultural tradition. The humanities study principal themes, issues and images concerning human beings and their place in the universe, as these have been shaped and expressed since ancient times, in thought, imagination and action.

**Complete one of the following options:****Option 1: Complete 3 courses from at least two departments; 12 credits minimum****❖ART (ART)**

- 109–Visual Dialogue (3)

**❖ART HISTORY (A/HI)**

- 220–Visual Culture in Ancient Greece and Rome (3)
- 221–Visual Culture in Medieval Europe (3)
- 230–Visual Culture in Western Europe 1400-1550 (3)
- 231–Visual Culture in Western Europe 1550-1700 (3)
- 240–Visual Culture in Western Europe in the 19th Century (3)
- 241–Visual Culture in Western Europe and America in the 20th Century (3)

**❖CLASSICAL STUDIES (CLST)**

- 117–The Ancient Legacy (5)
- 260–Masterworks of Ancient Greek Literature (4)
- 270–Literature of Rome and Her Empire (4)
- 350–Greek Mythology (4)

**❖ENGLISH (ENG)**

- 214–Introduction to Shakespeare (5)
- 215–Introduction to British Literature (5)
- 216–Introduction to American Literature (5)
- 238–Society Through its Literature (5) *(May be taken only once for GUR credit)*
- 270–Introduction to Language and Society (5)
- 281–Introduction to Global Literatures (5)
- 282–Introduction to Global Literatures (5)
- 283–Introduction to Global Literatures (5)
- 336–Scriptural Literatures (5) *(Only one of English 336 and Liberal Studies 335 may be taken for GUR credit)*

**❖EURASIAN STUDIES (EUS)**

- 201–Introduction to Russian Civilization (5)

**❖HISTORY (HIST)**

- 103–Introduction to American Civilization: American History to 1865 (4)
- 104–Introduction to American Civilization: American History Since 1865 (4)
- 111–Introduction to Western Civilization: Prehistory to 476 (4)
- 112–Introduction to Western Civilization: 476-1713 (4)
- 113–Introduction to Western Civilization: 1713 to Present (4)
- 151–Communities of the Ancient World (4)
- 155–The Idea of Utopia (4)
- 199–Thinking Historically (4)
- 277–Canada: A Historical Survey (4)
- 314–The Enlightenment Tradition (5)

**❖HONORS (HNRS)**

- 103–Major Cultural Traditions I (4)
- 104–Major Cultural Traditions II (4)
- 205–Colloquium in History (4)
- 255–Ethics (3) *(Only one of Honors 255 and Philosophy 112 may be taken for credit)*
- 256–Knowledge and Reality (3) *(Only one of Honors 256 and Philosophy 114 may be taken for credit)*

**❖JOURNALISM (JOUR)**

- 340–History of Mass Media (3)

**❖LIBERAL STUDIES (LBRL)**

- 121–The Western Tradition I: The Ancient World (5)
- 122–The Western Tradition II: Medieval and Early Modern Europe (5)
- 123–The Western Tradition III: Modern World (5)
- 231–Introduction to the Study of Religion (4)
- 232–Myth and Folklore (4)
- 243–Art and Ideas (4)
- 323–The Romantic Paradox: Love, Life, and Death (4)
- 332–Universal Religions: Founders and Disciples (4)
- 333–Religion in America (5)
- 335–The Biblical Tradition (5) *(Only one of Liberal Studies 335 and English 336 may be taken for GUR credit)*

**❖MODERN AND CLASSICAL LANGUAGES**

European foreign language course numbered 200 and above and involving actual instruction in the foreign language. *(Advanced placement credit may not be applied.)*

- French (FREN) 200 level and above
- German (GERM) 200 level and above
- Greek (GREK) 200 level and above
- Latin (LAT) 200 level and above
- Russian (RUSS) 200 level and above
- Spanish (SPAN) 200 level and above

**❖MUSIC (MUS)**

- 104–The Art of Listening to Music (3)
- 105–Music in the Western World (3)

**❖PHILOSOPHY (PHIL)**

- 112–Introduction to Philosophy: Moral Issues (3) *(Only one of Philosophy 112 and Honors 255 may be taken for credit)*
- 113–Introduction to Philosophy: Philosophy of Religion (3)
- 114–Introduction to Philosophy: Knowledge and Reality (3) *(Only one of Philosophy 114 and Honors 256 may be taken for credit)*
- 340–Philosophy of Science (3)
- 350–Political Philosophy (3) *(Only one of Philosophy 350 and Political Science 261 may be taken for GUR credit)*
- 355–Aesthetics and the Philosophy of Art (3)
- 360–Society, Law and Morality (3)

**❖POLITICAL SCIENCE (PLSC)**

- 261–Introduction to Political Theory (5) *(Only one Political Science 261 and Philosophy 350 may be taken for GUR credit)*

**❖RECREATION (REC)**

- 301–Work and Leisure Through the Ages (4)

**❖THEATRE ARTS (THTR)**

- 101–Introduction to the Art of the Theatre (3)
- 201–Introduction to the Cinema (3)

**Option 2: Complete one of the following sets****❖LIBERAL STUDIES (LBRL) 121, 122, 123 (5 ea)****❖HISTORY (HIST) 111, 112, 113 (4 ea)****SOCIAL SCIENCES (SSC)**

The Social Sciences requirement provides an introduction to the content, methods and applications of academic fields that treat psychological, social, political and economic behavior, development and variation of human culture, and uses of geographical space. Though differing in subject and approach, the social sciences insist in common on empirical investigation and seek to discover coherent patterns in human activity.

**Complete 3 courses from at least two departments; 12 credits minimum****❖ANTHROPOLOGY (ANTH)**

- 102–Introduction to Human Origins (5)
- 201–Introduction to Cultural Anthropology (5) *(Only one of Anthropology 201 and Honors 253 may be taken for credit)*
- 210–Introduction to Archaeology (5)
- 247–Language in Culture and Society (5)

**❖CANADIAN-AMERICAN STUDIES (C/AM)**

- 200–Introduction to Canadian Studies (5)

**❖ECONOMICS (ECON)**

- 101–Markets and Society (4)
- 206–Introduction to Microeconomics (4)
- 207–Introduction to Macroeconomics (4)

**❖EDUCATION (EDUC)**

- 109–Explorations in the Scholarship of Teaching (4)

**❖ENVIRONMENTAL STUDIES (ESTU)**

- 202–Introduction to Environmental Studies and Sustainability (3)

**❖FAIRHAVEN (FAIR)**

- 211B–The American Legal System (5). *(Only one of Fairhaven 211B, Management 271, Political Science 311 may be taken for GUR credit)*

**❖GEOGRAPHY (EGEO)**

- 201–Human Geography (4)
- 209–Geography and World Affairs (2)
- 312–Geography of the World Economy (4)

**❖HONORS (HNRS)**

- 121–Introduction to Political Science (4) *(Only one of Honors 121 and Political Science 101 may be taken for credit)*
- 251–Psychology (4) *(Only one of Honors 251 and Psychology 101 may be taken for credit)*
- 252–Sociology (4)
- 253–Anthropology (4) *(Only one of Honors 253 and Anthropology 201 may be taken for credit)*
- 254–Economics (4)

**❖JOURNALISM (JOUR)**

- 190–Introduction to Mass Media (5)

**❖LINGUISTICS (LING)**

- 201–Introduction to Linguistics Science (5)
- 204–Sociolinguistics (4)

◆**MANAGEMENT (MGMT)**

271–Law and the Business Environment (4) *(Only one of Political Science 311, Fairhaven 211B and Management 271 may be taken for GUR credit)*

◆**PHYSICAL EDUCATION (PE)**

201–Perspectives of Human Lifestyle and Wellness (3)

◆**POLITICAL SCIENCE (PLSC)**

101–Government and Politics in the Modern World (5) *(Only one of Political Science 101 and Honors 121 may be taken for credit)*

250–The American Political System (5)

271–Introduction to International Relations (5)

311–Introduction to Law and Judicial Process (5) *(Only one of Political Science 311, Fairhaven 211B and Management 271 may be taken for GUR credit)*

372–International Political Economy (5).

◆**PSYCHOLOGY (PSY)**

101–Introduction to Psychology (5) *(Only one of Psychology 101 and Honors 251 may be taken for credit)*

341–Psychology and Culture (5)

◆**SOCIOLOGY (SOC)**

221–Introduction to Population Issues (5)

251–Sociology of Deviant Behavior (5)

255–Social Organization of Criminal Justice (5)

260–The Family in Society (5)

**COMPARATIVE, GENDER, AND MULTICULTURAL STUDIES (ACGM & BCGM)**

This section of the GUR provides an introduction to civilizations of Asia, Africa, the Middle East and Latin America, to multicultural experience in North America, and to gender studies. Acquaintance with the values and viewpoints of a variety of cultures and societal roles helps overcome provincialism, aids self-understanding and is an important element in an educated outlook on the contemporary world.

**Complete 2 courses, one from Block A and one from Block B.**

**Block A—Primary emphasis outside North America:**

◆**ANTHROPOLOGY (ANTH)**

362–Peoples of Asia (5)

364–Peoples of the Pacific (5)

365–Peoples of Latin America (5)

◆**ART HISTORY (A/HI)**

270–Visual Culture in South and Southeast Asia (3)

271–Visual Culture in East Asia (3)

◆**DANCE (DNC)**

232–Movement and Culture (3)

◆**EAST ASIAN STUDIES (EAST)**

201–Introduction to East Asian Civilizations (5) *(Also taught as HIST 280)*

202–East Asian History in the Early-Modern and Modern Eras (5) *(Also taught as HIST 281)*

210–Nomads of Eurasia (5) *(Also taught as EUS 210)*

230–Modern Chinese Society and Language (3)

◆**ENGLISH (ENG)**

335–Literary and Creative Expressions Across Cultures (5)

◆**EURASIAN STUDIES (EUS)**

210–Nomads of Eurasia (5) *(Also taught as EAST 210)*

◆**GEOGRAPHY (EGEO)**

321–Africa: Society and Environment (3)

322–The Middle East: Society and Environment (3)

323–South Asia: Society and Environment (3)

324–East Asia: Society and Environment (3)

◆**HISTORY (HIST)**

273–Latin America: 1492 to 1824 (4)

274–Latin America: 1824 to the Present (4)

280–Introduction to East Asian Civilizations (5) *(Also taught as EAST 201)*

281–East Asian History in the Early-Modern and Modern Eras (5) *(Also taught as EAST 202)*

285–Introduction to African Civilizations (5)

286–Modern Africa (5)

287–Introduction to Islamic Civilization (5)

385–Pre-Colonial Africa (5)

387–History of the Jews (5)

◆**HONORS (HNRS)**

105–Major Cultural Traditions III (4)

155–The Non-Western Traditions (4)

◆**INTERNATIONAL STUDIES (INTL)**

201–Introduction to Global Studies (5)

325–Global Literature (4)

◆**LIBERAL STUDIES (LBRL)**

271–Humanities of India (4)

272–Religion and Society in China and Japan (4)

273–Art and Society in China and Japan (4)

275–Humanities of Japan (4)

276–Humanities of Africa (5)

277–Humanities of China (4)

278–Humanities of Islamic Civilization (5)

281–Representations of Otherness (4)

338–Mysticism (5)

370–Major Asian and African Traditions: The Traditional Order (4)

371–Major Asian and African Traditions: Their Modern Fate (4)

372–Individual and Society in Recent African and Asian Literature (4)

373–Ideology, Policy & Experience in the Contemporary Non-European World(4)

378–Religion and Society in India (4)

◆**MODERN AND CLASSICAL LANGUAGES**

**Non-European** foreign language course 200 and above and involving actual instruction in the foreign language. *(Advanced placement credit may not be applied.)*

Chinese (CHIN) *(200 level and above)*

Japanese (JAPN) *(200 level and above)*

◆**MUSIC (MUS)**

205–Survey of Non-Western Musical Cultures (3)

◆**POLITICAL SCIENCE (PLSC)**

346–Politics of Inequality (5)

◆**WOMEN STUDIES (WMNS)**

314–Global Women (4)

**Block B—Primary emphasis inside North America:**

◆**AMERICAN CULTURAL STUDIES (AMST)**

202–The Native American Experience (3)

203–The Hispano/a-American Experience (3)

204–The African-American Experience (3)

205–The Asian-American Experience (3)

206–The Jewish-American Experience (3)

242–The Lesbian, Gay, Bisexual, Transgendered Experience (3)

301–Comparative Cultural Studies (4)

362–Asian American History (5) *(Also taught as HIST 362)*

◆**ANTHROPOLOGY (ANTH)**

104–American Mosaic: The Cultures of the United States (4)

353–Sex and Gender in Culture (5)

361–Native Peoples of North America (5)

◆**ENGLISH (ENG)**

227–Introduction to Gay, Lesbian, Bisexual and Transgender Literature (5)

234–Introduction to African-American Literature (5)

235–Introduction to American Indian Literatures (5)

236–Introduction to Asian-American Literatures (5)

239–Introduction to Latina/o Literatures (5)

338–Women and Literature (5)

◆**HISTORY (HIST)**

158–Race and Identity in Modern America (4)

261–Black History in the Americas (5)

263–African Americans since 1865 (5)

265–Lesbian, Gay, Bisexual, and Transgender Experiences in U.S. History (5)

275–The Indian in American History (5)

362–Asian American History (5) *(Also taught as AMST 362)*

◆**HONORS (HNRS)**

106–Major Cultural Traditions IV (4)

◆**JOURNALISM (JOUR)**

375–Diversity, Mass Media & Social Change (4)

◆**PSYCHOLOGY (PSY)**

119–Psychology of Gender (4)

◆**SOCIOLOGY (SOC)**

268–Gender and Society (5)

269–Race and Ethnic Relations (5)

◆**WOMEN STUDIES (WMNS)**

211–Introduction to Women Studies (4)

## **NATURAL SCIENCES (LSCI & SCI)**

The Natural Sciences requirement provides an introduction to the content and methods of the physical and biological sciences. These fields investigate natural phenomena, ranging from the origin of the universe to development of life forms to the structure of the atom. Their methods include direct and indirect observation, experimentation, and construction of theoretical models of natural systems.

**Complete three (3) of the following courses. At least two (2) of the courses must include a laboratory component (LSCI attribute), marked in the list below with an asterisk (\*).**

Note: *Several of the courses in this list have prerequisites.*

### ❖ **ANTHROPOLOGY (ANTH)**

\*215–Introductory Biological Anthropology (5) LSCI

### ❖ **ASTRONOMY (ASTR)**

103–Introduction to Astronomy (4) SCI

### ❖ **BIOLOGY (BIOL)**

\*101–Introduction to Biology (4) LSCI

\*102–Biological Diversity: Evolution and Systems (4) LSCI

150–Marine Biology (3) SCI

\*204– Introduction to Evolution, Ecology Biodiversity (4) LSCI

\*205–Introduction to Cellular and Molecular Biology (5) LSCI

\*206–Introduction to Organismal Biology (5) LSCI

### ❖ **CHEMISTRY (CHEM)**

\*101–Chemical Concepts (4) LSCI

\*115–General Chemistry (5) LSCI

\*121–General Chemistry I (5) LSCI

\*122–General Chemistry II (5) LSCI

\*123–General Chemistry III (4) LSCI

\*125–General Chemistry I, Honors (5) LSCI

\*126–General Chemistry II, Honors (5) LSCI

\*225–General Chemistry III, Honors (5) LSCI

\*251–Elementary Organic Chemistry (5) LSCI

### ❖ **COMMUNICATION SCIENCES AND DISORDERS (CSD)**

253–Speech and Hearing Sciences for the Liberal Arts (4) SCI

### ❖ **ENVIRONMENTAL SCIENCE (ESCI)**

101–Environmental Studies: A Scientific Approach (3) SCI

204–The Oceans: Topics in Marine Science (4) SCI

### ❖ **GEOGRAPHY (EGEO)**

\*203–Physical Geography (4) LSCI

### ❖ **GEOLOGY (GEOL)**

\*101–Introduction to Geology (4) LSCI

202–Plate Tectonics and Continental Drift (4) SCI

204–Geology and Society (3) SCI

\*211–Physical Geology (5) LSCI

\*212–Historical Geology (4) LSCI

214–Environmental Geology (3) SCI

\*252–The Earth and Its Weather (4) LSCI

308–Earthquake Geology (3) SCI

315–Minerals, Energy, and Society (4) SCI

340–Geological Oceanography (3) SCI

### ❖ **HONORS (HNRS)**

\*157–Physics (4) LSCI

\*158–Geology (4) LSCI

\*159–Biology (4) LSCI

### ❖ **INTERDISCIPLINARY SCIENCES, TECHNOLOGY AND MATHEMATICS (ISTM)**

201–Scientific Literacy (3) SCI

### ❖ **PHYSICS (PHYS)**

\*101–Physics Analysis (4) LSCI

102–Physics and Society (3) SCI

\*104–Physics Applications (4) LSCI

114–Principles of Physics I (5) SCI

\*115–Principles of Physics II (5) LSCI

\*116–Principles of Physics III (5) LSCI

\*121–Physics with Calculus I (4) with PHYS 131 lab (1) LSCI

\*122–Physics with Calculus II (4) with PHYS 132 lab (1) LSCI

\*123–Electricity & Magnetism (4) with PHYS 133 lab (1) LSCI

### ❖ **SCIENCE EDUCATION (SCED)**

\*201–Matter and Energy in Physical Systems (4) LSCI

\*202–Matter & Energy in Earth Systems (4) LSCI

\*203–Matter & Energy in Life Systems (4) LSCI

\*294–Investigative Science (4) LSCI