

Syracuse University Summer College

Course Selection Guide for 6-week programs

The following are courses for the Engineering & Computer Science, Law, Liberal Arts, and Public Communications programs. This is only a guide for your reference. Admitted students will be required to submit a registration form in the spring. Course registration is pending student qualification. All 6-week programs run from July 6 to August 14. Students move in on the morning and early afternoon of Sunday, July 5 and are permitted to remain in residence until noon on Saturday, August 15.

- **Acting & Musical Theater, Architecture, Fashion Design, and Forensic Science Students:** your schedule is predetermined and this list does not pertain to your programs.
- **Engineering & Computer Science, Law, and Public Communications Students:** you are automatically enrolled in the required 3-credit course for your program. You then enroll in ONE additional course. This second course is either a Summer College section of WRT 104, Introduction to College Level Writing, or a course from this list.
- **Liberal Arts Students:** you should select one course from this list. Your second course will be WRT 104, Introduction to College Level Writing, or you can petition to take a second course from this list.

College of Arts & Sciences

AAS 138 Writing About Black Culture

(3 credits)

MTWTh Noon-1:45 p.m.

Expository writing based on cogent analysis of African American literature, art, music, and history ideas.

ANTHROPOLOGY

ANT 185 Global Encounters: Comparing World Views and Values Cross Culturally

(3 credits)

MTWTh 10-11:45 a.m.

Predominant views of reality and values in the cultures of Asia, Africa, and the Americas. Humanistic study of cultures and nature of cross-cultural understanding.

ASTRONOMY

AST 104 Stars, Galaxies, and the Universe

(4 credits)

MTWTh 9-11:45 a.m. Fee \$25.

Historical and modern understanding of the nature of the universe beyond the solar system. Includes laboratory with observations. May be taken with AST 101 in either order, or independently.

BIOLOGY

BIO 123 General Biology II

(4 credits)

MTWTh 8-9:45 a.m. Fee \$15. Laboratory:

MW 2-5 p.m.

Fundamental characteristics of life from the

molecular level to the ecological community.

General principles applicable to many forms of life.

Prerequisite: BIO 121 or equivalent.

CHEMISTRY

CHE 113 Forensic Science

(4 credits)

MTWTh 9 a.m.-noon Laboratory: M 1-4 p.m.

Introduction to forensic science with focus on the application of scientific methods and techniques to criminal justice and law. Methods specifically relevant to crime detection and analysis will be presented. Laboratory included. No math or science prerequisites.

CHE 116 General Chemistry Lecture

(3 credits)

MTWTh 10-11:45 a.m. Recitation: T 2-3 p.m.

Fundamental principles and laws underlying chemical action, states of matter, atomic and molecular structure, chemical bonding, stoichiometry, properties of solutions, chemical equilibrium, and introductory thermodynamics. Descriptive chemistry in relation to theoretical principles. Credit is given for CHE 116 or 119, but not both. Prerequisite: CHE 106 or 109.

CHE 117 General Chemistry Laboratory

(1 credit)

TTh 3-6 p.m. Fee \$55.

Experimental study of basic principles and techniques of chemistry. States of matter, determination of formulas and molecular weights, simple volumetric and gravimetric analysis, heats of reaction. Equilibrium, rates of reactions, and qualitative analysis. Credit is given for CHE 117 or 139, but not both. Prerequisite: CHE 107 or 129. Corequisite: CHE 116.

CHE 200 Forensic Science Laboratory

(2 credits)

TWTh 1-4 p.m.

An introduction to some of the basic principles and techniques that underlie modern forensic investigations. Laboratory experiments and demonstrations in various disciplines, including chemistry, biology, anthropology, and related areas. Prerequisite or corequisite: CHE 113.

CHE 300 Intermediate Forensic Science

(3 credits)

MTWTh 1-4 p.m.

Selected, more advanced areas of current interest in forensic science explored. Emphasis on the application of scientific methods and techniques to crime detection and the law. Prerequisite: CHE 113, 106, or 109.

CHE 300 Intermediate Forensic Science Laboratory

MTWTh 9 a.m.-noon

(3 credits)

A detailed exploration of selected, more advanced techniques that underlie modern forensic investigations. Laboratory experiments and demonstrations in various disciplines, including chemistry, biology, anthropology, and related areas. Prerequisite or corequisite: CHE/FSC 300 Lecture.

Earth Sciences

GOL 101 Dynamic Earth

(4 credits)

MTWThF Noon-1:50 p.m.

Chemical, physical, and biological processes and principles affecting the history and development of the earth. Lectures, laboratory, and field trips. Students may receive credit for either GOL 101 or 203 or 105, but not for more than one of these specific courses.

ECONOMICS

ECN 203 Economic Ideas and Issues

(3 credits)

MTWTh Noon-1:45 p.m.

Foundation of modern Western economic thought. The model economists have built on this foundation as applied to current issues facing individuals and society. Credit is given for either ECN 203 or ECN 101, 102 or ECN 109.

ENGLISH & TEXTUAL STUDIES

ETS 145 Reading Popular Culture

(3 credits)

MTWTh 2-3:45 p.m. Film screening: Th 4-6 p.m. How to read, interpret and analyze texts of popular culture as texts that negotiate the issues of class, gender, race, and sexuality. Using methodology of

cultural studies – which operates on the premise that lived culture and its artifacts are appropriate objects of academic study, as readable as any literary or artistic text – the course introduces you to critical strategies for thinking about the world in which you live, and for approaching the work of popular culture historically as well as analytically. Texts include *Matrix*, *Fight Club*, *I Love Lucy*, and *House*.

FORENSIC SCIENCE

FSC 200 Forensic Science Laboratory

(2 credits)

TWTh 1-4 p.m.

An introduction to some of the basic principles and techniques that underlie modern forensic investigations. Laboratory experiments and demonstrations in various disciplines, including chemistry, biology, anthropology and related areas. Prerequisite or corequisite: CHE 113.

FSC 300 Intermediate Forensic Science

(3 credits)

MTWTh 1-4 p.m.

Selected, more advanced areas of current interest in forensic science explored. Emphasis on the application of scientific methods and techniques to crime detection and the law. Prerequisite: CHE 113, 106, or 109.

FSC 300 Intermediate Forensic Science Laboratory

(3 credits)

MTWTh 9 a.m.-noon

A detailed exploration of selected, more advanced techniques that underlie modern forensic investigations. Laboratory experiments and demonstrations in various disciplines, including chemistry, biology, anthropology, and related areas. Prerequisite or corequisite: CHE/FSC 300 Lecture.

HISTORY

HST 102 American History Since 1865

(3 credits)

MTWTh Noon-1:45 p.m.

Reconstruction. Industrialization and its effects. Emergence as a world power. Economic and social problems, reforms. Global war and global responsibilities.

HST 353 History of Ancient Rome

(3 credits)

MTWTh 10-11:45 a.m.

Ancient Roman political, economic, social, and cultural history based on interpretation of primary sources, both literary and archaeological, from the foundation of the city to the dissolution of the Empire in the west.

ARABIC

ARB 102 Arabic II

(4 credits)

MTWThF 8-11:45 a.m.

Continuing proficiency-based course develops communicative abilities in speaking, listening, reading, and writing in culturally authentic contexts. Activities are conducted in Arabic. Prerequisite: ARB 101 or admission by placement testing.

FRENCH

FRE 102 French II

(4 credits)

MTWThF 8-11:45 a.m.

Continuing proficiency-based course develops communicative abilities in speaking, listening, reading, and writing in culturally authentic contexts. Activities are conducted in French. Prerequisite: FRE 101 or admission by placement testing.

SPANISH

SPA 102 Spanish II

(4 credits)

MTWThF 8-11:45 a.m.

Continuing proficiency-based course develops communicative abilities in speaking, listening, reading, and writing in culturally authentic contexts. Activities are conducted in Spanish. Prerequisite: SPA 101 or admission by placement testing.

MATHEMATICS

MAT 122 Probability and Statistics for the Liberal Arts II

(3 credits)

MTWTh 8-9:45 a.m.

Second in a two-course sequence. Teaches probability and statistics focusing on data and reasoning. Includes displaying data, probability models, and distributions. NOTE: A student cannot receive credit for MAT 122 after completing any MAT course numbered above 180 with a grade of C or better. Prerequisite: MAT 121.

MAT 183 Elements of Modern Mathematics

(3 credits)

MTWTh Noon-1:45 p.m.

Linear equations, matrices, and linear programming. Introduction to mathematics of finance. Discrete probability theory. For students interested in management, finance, economics, or related areas.

MAT 221 Elementary Probability and Statistics I

(3 credits)

MTWTh 10-11:45 a.m.

First of a two-course sequence. For students in fields that emphasize quantitative methods. Probability, design of experiments, sampling theory, introduction of computers for data management, evaluation of models, and estimation of parameters. Credit not given for both MAT 221 and MAT 321.

MAT 284 Business Calculus

(3 credits)

MTWTh 2-3:45 p.m.

One-variable differential and integral calculus. Applications to business and economics. MAT 284 may not be taken for credit after successful completion of MAT 285 or MAT 295. Prerequisite: MAT 183.

MAT 295 Calculus I

(4 credits)

MTWThF Noon-1:55 p.m.

Analytic geometry, limits, derivatives, maxima-minima, related rates, graphs, differentials, exponential and logarithmic functions, mean-value theorem, integration. For science majors. MAT 295 may not be taken for credit after successful completion of MAT 286. Prerequisite: C- or better in MAT 194 or equivalent.

MAT 296 Calculus II

(4 credits)

MTWThF Noon-1:55 p.m.

Integration: the definite integral and applications; trigonometric functions, methods of integration, improper integrals, L'Hospital's rule, infinite series, elementary differential equations, parametric equations, polar coordinates. Prerequisite: C- or better in MAT 295 or equivalent.

PHILOSOPHY

PHI 107 Theories of Knowledge and Reality

(3 credits)

MTWTh 10-11:45 a.m.

Knowledge versus belief. Skepticism. Necessary truth. Universals. Rationalism versus empiricism. The mind-body problem. Idealism, materialism, and realism. Recommended for first-year and sophomore students. Credit will not be given for both PHI 109 and PHI 107.

PHI 191 Ethics and Value Theory

(3 credits)

MTWTh Noon-1:45 p.m.

Foundations of ethical and moral evaluation. Major figures in the history of ethical theory. Recommended for first-year students and sophomores. Credit will not be given for both PHI 191 and PHI 209.

POLITICAL SCIENCE

PSC 121 American National Government and Politics

(3 credits)

MTWTh 10-11:45 a.m.

American political institutions. Basic principles embedded in structure and practices of American government. Practical consequences of this political system for the citizen. Credit is given for PSC 121 or PSC 129, but not both.

PSC 124 International Relations

(3 credits)

MTWTh Noon-1:45 p.m.

Foreign policy, decision making, comparative foreign policy, international transactions, and the international system. Credit is given for PSC 124 or PSC 139, but not both.

PSYCHOLOGY

PSY 205 Foundations of Human Behavior

(3 credits)

MTWTh 10-11:45 a.m. or MTWTh 10-11:45 a.m.

Fundamental principles of mental life and human behavior. Significance of psychology in human relationships and self-understanding.

RELIGION

REL 101 Religions of the World

(3 credits)

MTWTh 2-3:45 p.m.

The nature and significance of religion within human culture and existence as evidenced in various religions of the world both past and present.

SOCIOLOGY

SOC 101 Introduction to Sociology

(3 credits)

MTWTh Noon-1:45 p.m.

Principal concepts, methods, and findings in sociology. Societal structures, processes, institutions, and social roles from both macro- and microanalytic human behavior perspectives.

SOC 102 Social Problems

(3 credits)

MTWTh 2-3:45 p.m.

Application of sociological theory and methods to identification, description, and analysis of contemporary social problems. Critique and analysis of alternative strategies for social change.

WOMEN'S STUDIES

WSP 248 Ethnic Inequalities and Intergroup Relations

(3 credits)

MTWTh 4-5:45 p.m.

Identification of individuals and groups by self and others as members of ethnic categories. Consequences of ethnic identifications for individual, group, and societal interaction. Emphasizing ethnic inequalities, group interactions, social movements and change, racism, prejudice, and discrimination.

DEPARTMENT OF TRANSMEDIA

Art Photography

APH 200 Tomorrow's Snapshot: Photography in the 21st Century

(3 credits)

MW 6-10 p.m. Fee \$105.

Introduction to traditional chemistry and digital-based photographic processes. Camera operation, composition, darkroom technique, creative expression. Use of traditional analog and contemporary digital darkrooms to explore the ever-changing medium of photography and how it affects them as artists in the 21st century.