

# Other Arts and Sciences Courses

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## Courses

### **ARSC 1020. Major Concepts in Modern Science 1. 4 cr. hrs.**

An interdisciplinary, integrated study of processes and principles of physics and their application to astronomy and earth science. Topics include describing motion, energy and momentum, electricity and magnetism, waves, sound and light, reflection and refraction, heat, rocks and minerals, the earth (plate tectonics, land and water cycles), weather, the solar system and stellar life cycles. Scientific inquiry as a means of knowledge: major technological contributions to modern societies, stability, information transfer, and emphasizing relevant physical processes in specific environments. Consists of 3 hrs. of lecture and 2 hrs. of laboratory work. May be counted as a natural science for elementary/middle school and middle/secondary teaching certification. Does not count toward major requirements for biological sciences, chemistry, physics, and broad field science for early adolescence/adolescence teacher preparation.

### **ARSC 1021. Major Concepts in Modern Science 2. 4 cr. hrs.**

An interdisciplinary, integrated study of processes and principles of chemistry and biology. Topics include describing matter, chemical bonds, chemical reactions, the cell, genetics, evolution and diversity, human biology and ecosystems. Scientific inquiry as a means of knowledge: major technological contributions to modern societies, stability, information transfer and evolution of biological systems, emphasizing relevant chemical processes in specific environments. Consists of 3 hrs. of lecture and 2 hrs. of laboratory work. Does not count toward major requirements for biological sciences, chemistry, physics and broad field science for early adolescence/adolescence teacher preparation.

### **ARSC 1963. First Year Seminar: Lawyers in American Society. 1 cr. hr.**

Academic seminar that introduces students in the Pre-law Scholars program to the legal profession, legal thought and legal education. Primary objective is to provide students with an opportunity to learn about lawyers, the practice of law and to assist them in making decisions about a career in law. S/U grade assessment. Prereq: First year Pre-law Scholar.

### **ARSC 2000. Democracy, Culture and Public Policy: Africa. 3 cr. hrs.**

Examines the manner, culture, values and identity that shape global and domestic politics in the West Africa region. Emphasis on public policy efforts to promote democracy and advance the overall welfare of the nation. Consists of two weeks of study and travel in West Africa. Travel fees.

### **ARSC 2931. Topics in Arts and Sciences. 1-3 cr. hrs.**

Selected topics, not a part of the regular course work taught because of a special need, interest or opportunity.

### **ARSC 3370. Arts in a Democratic Society. 3 cr. hrs.**

Seminar on the role of the arts in a democratic society. Topics include government funding of the arts, cultural diversity and national arts policies, artists rights, community interests and public art. Readings of philosophers, culturally diverse writers and political-social scientists. Experiential learning involving site visits to museums, performing arts centers, and libraries in the Washington D.C. area is integrated with readings. Prereq: PHIL 1001 and cons. of prog. dir. - Les Aspin Center for Government.

### **ARSC 3986. Internship-Work Period. 0 cr. hrs.**

A career preparation experience in an organization (e.g. corporation, community social service agency, non-profit organization) designed to apply and integrate the theory and practice of an ARSC education in a professional setting. Placement in a preapproved internship for a minimum of 140 hours per term. Internships are performed under the supervision of organization personnel. Grading and credits are accomplished by registering for ARSC 3987, or ARSC 4987, or equivalent department course during the following term. SNC/UNC grade assessment. There is no financial aid available for this course nor does it maintain student status for the purposes of loan deferment. Prereq: Jr. stndg., ARSC 3987 or cons. of instr. and preapproval of internship placement and cons. of College internship coordinator.

### **ARSC 3987. Career Ready Internship with Professional Development Seminar. 3 cr. hrs.**

A career preparation experience in an organization (e.g. corporation, community social service agency, non-profit organization) designed to apply and integrate the theory and practice of an ARSC education in a professional setting. Must have completed ARSC 3986 in the previous term or have a concurrent placement in an approved internship position for a minimum of 140 hours per semester. Internships are performed under the supervision of organization personnel and College internship coordinator. Includes a weekly career preparedness and professional development seminar. May be taken only once. Prereq: Jr. stndg., ARSC 3987 or cons. of instr. and preapproval of internship placement and cons. of College internship coordinator.

### **ARSC 3989. Full-time Co-op or Internship Work Period. 0 cr. hrs.**

For students completing a pre-approved full-time internship or co-op, with no other enrollment, during the fall or spring terms. Allows students to remain in full-time status for deferment purposes, while completing the internship; however, there is no financial aid provided for this class. Placement is for a minimum of 450 hours per term under the supervision of an internship mentor/supervisor. Responsibilities include relevant academic content. Grading and credits are accomplished by registering for ARSC 4989 during the following term. Fee. SNC/UNC grade assessment. Prereq: Jr. stndg., cons. of College internship coordinator.

### **ARSC 4931. Topic in Arts and Sciences. 1-3 cr. hrs.**

Offered according to availability of faculty, student interest and resources. Prereq: cons. of prog. dir.

### **ARSC 4953. Seminar In Urban Social Issues. 3 cr. hrs.**

Les Aspin Center for Government, Washington, D.C. Prereq: cons. of prog. dir.

**ARSC 4987. Advanced Internship Experience-Grading Period. 3 cr. hrs.**

Internship grading period. Grading for preceding internship experience is accomplished by completing a report on the work assignment and other materials, as required. S/U grade assessment. Prereq: Jr. stndg., ARSC 3987 or cons. of instr. and preapproval of internship placement and cons. of College internship coordinator.

**ARSC 4988. Advanced Internship Experience. 3 cr. hrs.**

An advanced internship experience in an organization (e.g. corporation, community social service agency, non-profit organization) designed to apply and integrate the theory and practice of an ARSC education in a professional setting. Placement in a preapproved internship for a minimum of 140 hours per term. Internships are performed under the supervision of organization personnel and instructor. Grades are based on the quality of the work during the internship and assignments completed for the course. S/U grade assessment. Prereq: Preapproval of internship placement and cons. of College internship coordinator.

**ARSC 4989. Full-time Co-Op or Internship-Grading Period. 1-3 cr. hrs.**

Full-time co-op or internship grading period. Grading for preceding co-op work assignment is accomplished by completing a report on the work assignment, a report on academic material related to the work assignment, and other materials, as required. Grading is completed during the school term following the work assignment. May be taken more than once. S/U grade assessment. Prereq: Jr. stndg., ARSC 3989 or equivalent department course, cons. of College internship coordinator.

**ARSC 9007. Undergraduate Concurrent Required Component: Less than Half-Time. 0 cr. hrs.**

A less than half-time equivalent course, used for those Marquette undergraduate students who are participating in a program that requires a concurrent zero credit component of a course, such as a tutorial, a colloquium, D2L module, etc. SNC/UNC grading. Prereq: Cons. of dept. ch.