

Radford University Undergraduate Catalog 2004-2005, Volume 88 June, 2004 is prepared by the Office of the University Registrar and published by the Office of Public Relations, Radford University, East Main Street, Radford, Virginia 24142, once a year. Students who matriculate at Radford University at the beginning of the 2004-2005 academic year will use the 2004-2005 Radford University Undergraduate Catalog for the official description of policies they must follow and requirements they must satisfy in order to graduate. Students may, however, elect to follow all the curriculum requirements of a Radford University Undergraduate Catalog published subsequent to the year of their matriculation subject to the limitations detailed in "Graduation Policy" on p. 52. Radford University reserves for itself and its departments the right to withdraw or change the announcements in this catalog.

## **Requirements for All Degrees**

To earn an undergraduate degree from Radford University, students must fulfill both general education requirements and the requirements associated with a specific degree and major, as well as sufficient electives to complete the minimum semester hours required for graduation.

General education requirements are detailed below. They are followed by an outline of requirements associated with specific degrees (B.A., B.S., etc.). Details of the requirements for specific degrees and majors can be found in the department sections in this catalog beginning on p. 51.

### **General Education Program**

Radford University is committed to the development of mature, responsible, well-educated citizens. In addition to acquiring a diverse body of knowledge, such persons must possess a love of learning and a range of intellectual skills that enable them to meet the challenges and realize the promises of a complex, multi-cultural, and ever-changing world.

### **Goals**

To fulfill the mission of the General Education Program, the university has designed a curriculum with a number of general and specific goals to be met by all undergraduate students.

Upon completion of the General Education Program, students should be able to:

- Think critically and creatively about ideas, issues, problems, and texts both within and across academic disciplines.
- Construct logical and persuasive arguments.
- Employ a variety of research methods and styles of inquiry.
- Use appropriate computer technologies to gather and organize information, to solve problems, and to communicate ideas.

- Work with others in a shared process of inquiry and problem solving.
- Identify the personal and cultural values that shape decisions in public, professional, and private life, and assess the ethical implications of those decisions.

In addition to supporting these six general goals, the 50-hour curriculum is designed to ensure that students gain knowledge, abilities, and experiences in eight broad areas of study: communication, fine arts, health and wellness, humanities, international and intercultural studies, mathematical sciences, physical and natural sciences, and social and behavioral sciences.

### Area 1: Communication (6-9 hours)

Communication skills are essential to success in university studies, professional careers, and social interaction. The ability to read, write, speak, and listen effectively is the foundation upon which learning is based.

Upon successful completion of this area of the curriculum, students should be able to:

- Read primary and secondary texts in English with comprehension.
- Write effective prose, which takes into account a range of audiences, purposes, and contexts.
- Listen attentively and participate effectively in oral discussion.
- Speak with clarity and purpose in a variety of social and professional contexts.

The following courses have been approved for General Education credit in this area:

#### Required (6 hours)

ENGL 101. Introduction to Expository Writing

ENGL 102. Reading, Writing, and Research Skills

Optional (0-3 hours)

COMM 114. Public Speaking

COMM 250. Interpersonal Communication

COMM 240. Teamwork and Communication

MSTD 146. Media Performance

### Area 2: Fine Arts (3-6 hours)

The fine arts – theatre, music, dance, art – define us as human beings through creative expression of both individuals and cultural groups. The arts awaken our senses, stimulate imaginative thinking, and provide insight into human cultures present and past.

Upon successful completion of this area of the curriculum, students should be able to:

- Understand the arts as a direct means of expression and creative thinking.
- Understand the arts as a means of communication across cultures and as a link with past cultures.
- Understand how the arts function within cultures on personal, social, or practical levels by awakening the senses, touching emotions, communicating ideas, and inspiring or challenging audiences.
- Identify formal characteristics of artworks.
- Identify the emotional and intellectual content of artworks.
- Identify stylistic characteristics of artworks as they relate to an individual artist, group of artists, artistic movement, historical period, and ethnic or geographical context.

The following courses have been approved for General Education credit in this area:

#### Required (3-6 hours)

ART 111. Art Appreciation

ART 215. Art History Survey: Prehistory to Gothic

ART 216. Art History Survey: Renaissance to Contemporary

ART 366. Art History Travel Study

ART 412. Late 18th and 19th Century Art

ART 422. Art of the Ancient World

ART 424. Medieval Art

ART 427. Special Topics in Art History

ART 428. Twentieth Century Art

ART 462. Renaissance Art

ART 482. Baroque and Rococo Art

DNCE 111. Dance Appreciation

DNCE 366. Travel Study

DNCE 480. History and Philosophy of Dance

DNCE 481. History and Philosophy of Dance

MUSC 100. Introduction to Music Literature

MUSC 121. The Art of Music

MUSC 123. The Art of Jazz

MUSC 321. History of Music I

MUSC 322. History of Music II

MUSC 366. Travel Study

THEA 100. Theatre Appreciation

THEA 180. Introduction to World Cinema

THEA 366. Travel Study

THEA 375. Theatre History I

THEA 376. Theatre History II

### Area 3. Health and Wellness (3 hours)

The quality of life for individuals and communities is largely dependent on the choices we make. Informed decisions about healthful behavior, leisure activity, and interaction with the natural environment can enhance both personal and societal well-being.

Upon successful completion of this area of the curriculum, students should be able to:

- Identify the factors, which influence health behavior decisions.
- Make educated health-related choices, which promote personal well-being and enhance the overall quality of life.
- Analyze the relations among factors such as nutrition, stress, and leisure as they influence personal wellness.
- Understand how personal health and lifestyle choices affect society at large.

The following courses have been approved for General Education credit in this area:

#### Required (3 hours)

FDSN 214. Introduction to Nutrition  
HLTH 111. Personal Health  
HLTH 200. Wellness Lifestyle  
NURS 111. Personal Health  
RCPT 200. Leisure in Contemporary Society

### Area 4. Humanities (6-9 hours)

The humanities – religious studies, philosophy, literature, and classics – address fundamental questions about the meaning and value of life. These disciplines study humanity in an historical context and express humankind’s most profound understanding of itself and its place in the world.

Upon successful completion of this area of the curriculum, students should be able to:

- Demonstrate a basic knowledge of the nature and methods of inquiry in the humanities.
- Demonstrate an understanding of the importance of the human quest for meaning, value, and order in life.
- Analyze and evaluate different views of the meaning, value, and purpose of human life.
- Interpret and critically evaluate classical and contemporary works of literature as diverse expressions of the human condition.
- Discuss in speech and writing the relevance of the search for meaning to their own lives.

The following courses have been approved for General Education credit in this area:

#### Required (3 hours)

CLSS 210. Greek Literature in Translation  
CLSS 220. Latin Literature in Translation  
ENGL 201. Readings in World Literature  
ENGL 202. Readings in British Literature  
ENGL 203. Readings in American Literature  
FORL 204. Master pieces of German Literature in Translation

#### Required (3 hours)

PHIL 111. Introduction: Knowledge, Reality, and the Human Condition  
PHIL 112. Introduction: Ethics and Society  
PHIL 113. Introduction: Reasoning and Argument  
PHIL 114. Introduction: The Origins of Western Philosophy  
RELN 111. Introduction to Religion  
RELN 112. Survey of World Religions  
RELN 200. Survey of the New Testament  
RELN 202. Survey of the Old Testament  
RELN 205. Religion and Culture  
RELN 206. Survey of Religious Experiences

#### Optional (0-3 hours)

CLSS 110. Classical Mythology  
CLSS 210. Greek Literature in Translation  
CLSS 220. Latin Literature in Translation  
ENGL 201. Readings in World Literature  
ENGL 202. Readings in British Literature  
ENGL 203. Readings in American Literature  
ENGL 314. Topics in Literature  
ENGL 321. The Study of Fiction  
ENGL 322. The Study of Poetry  
ENGL 323. The Study of Drama  
ENGL 324. The Study of the Essay  
FORL 204. Masterpieces of German Literature in Translation  
PHIL 111. Introduction: Knowledge, Reality, and the Human Condition  
PHIL 112. Introduction: Ethics and Society  
PHIL 113. Introduction: Reasoning and Argument  
PHIL 114. Introduction: The Origins of Western Philosophy  
RELN 111. Introduction to Religion  
RELN 112. Survey of World Religions  
RELN 200. Survey of the New Testament  
RELN 202. Survey of the Old Testament  
RELN 205. Religion and Culture  
RELN 206. Survey of Religious Experiences

## Area 5. International and Intercultural Studies (3-6 hours)

In the world of the 21st century – a world of multinational organizations and transnational economies, of planetary crises and global opportunities – understanding and communication among people of different nations and cultures are ever more important. An awareness of different cultural traditions and values and an understanding of the relationships among peoples and nations are essential for effective and responsible participation in the global community.

Upon successful completion of this area of the curriculum, students should be able to:

- Demonstrate an awareness of the diversity of cultures both within and beyond the United States.
- Analyze similarities and differences between their own and other cultures that affect perceptions, beliefs, and behaviors.
- Demonstrate an understanding of the central place of language in shaping thinking, values, and other aspects of culture.
- Identify and discuss important global issues that highlight the relationships among peoples and nations.

The following courses have been approved for General Education credit in this area:

### Required (3-6 hours)

ANTH 121. Cultural Anthropology  
ECON 340. Global Economy and Business  
FORL 100. Elementary Conversation in Critical Languages  
FORL 109. Study Abroad Practicum  
FORL 200. Intermediate Conversation in Critical Languages.  
FORL 209. Study Abroad Practicum  
FORL 210. Intermediate Conversation II in Critical Languages.  
FORL 309. Study Abroad Practicum  
FORL 409. Study Abroad Practicum  
FREN 100. Elementary French  
FREN 101. Practical French Conversation  
FREN 200. Intermediate French I  
FREN 210. Intermediate French II  
FREN 300. Readings in French  
FREN 320. French Cinema  
GEOG 101. Europe and the Americas  
GEOG 102. Africa and Asia  
GEOG 280. Regional Geography  
GRMN 100. Elementary German  
GRMN 200. Intermediate German I  
GRMN 210. Intermediate German II

GRMN 300. Readings in German  
GRMN 304. German Culture  
HEBR 101. Elementary Hebrew I  
HEBR 102. Elementary Hebrew II  
HEBR 201. Advanced Biblical Hebrew  
HIST 101. World History to 1650  
HIST 102. World History after 1650  
INST 101. Introduction to International Studies  
LATN 101. Elementary Latin I  
LATN 102. Elementary Latin II  
LATN 201. Intermediate Latin  
LATN 350. Latin Literature  
POSC 130. Introduction to Comparative Government  
PEAC 200. Introduction to Peace and World Security Studies  
RELN 112. Survey of World Religions  
SPAN 101. Spanish I Beginning Spanish  
SPAN 102. Spanish II Beginning Spanish  
SPAN 201. Spanish III Intermediate Spanish  
SPAN 202. Spanish IV Intermediate Spanish  
SPAN 325. Spanish Culture  
SPAN 326. Contemporary Spanish Culture  
SPAN 335. Spanish American Culture  
SPAN 336. Contemporary Spanish American Culture  
THEA 180. Introduction to World Cinema  
WMST 101. Women in the World: Introduction to Women's Studies

## Area 6. Mathematical Sciences (6 hours)

Mathematical skills are essential to success in a wide range of academic disciplines, professional careers, and daily activities. The ability to analyze and solve problems using numbers and symbols is indispensable in the natural and social sciences, in the development of technology, and in many aspects of daily life.

Upon successful completion of this area of the curriculum, students should be able to:

- Understand and express relationships among numeric, symbolic, and graphical information.
- Demonstrate problem-solving techniques involving pattern recognition, models, and the construction of logical mathematical arguments.
- Recognize the applications of mathematics in their major fields and in their lives and careers.

The following courses have been approved for General Education credit in this area:

**Required (6 hours)**

Three of the six hours must be in a course with a MATH or STAT prefix.

MATH 103. Finite Mathematics

MATH 104. College Algebra

MATH 109. Introduction to Geometry

MATH 121. Business Calculus

MATH 138. Precalculus Function Analysis

MATH 140. Trigonometry and Analytic Geometry

MATH 145. Applied Business Mathematics

MATH 151. Calculus and Analytic Geometry

MATH 152. Calculus and Analytic Geometry

MATH 155. Calculus and Analytic Geometry

MATH 260. Applied Linear Algebra and Matrices

STAT 200. Introduction to Statistics

ITEC 100. Introduction to Information Technology

ITEC 120. Principles of Computer Science I

**Area 7. Physical and Natural Sciences 8 hours)**

The natural sciences – physics, geology, chemistry, and biology – have shaped the modern world and our way of thinking about the world. An understanding of both the methodology and the knowledge produced by scientific inquiry permits us to interpret, influence, and protect the world we live in.

Upon successful completion of this area of the curriculum, students should be able to:

- Comprehend the empirical nature of science.
- Identify scientific problems and apply scientific methods.
- Extend scientific problem-solving skills to a variety of situations.
- Relate the basic principles of science to the world at large.
- Understand the relations between science, technology, and society.

The following courses have been approved for General Education credit in this area:

**Required (8 hours)**

ASTR 111. General Astronomy I

ASTR 112. General Astronomy II

BIOL 103. Environmental Biology

BIOL 104. Human Biology

BIOL 105. Concepts of Biology

BIOL 111. Contemporary Issues in Biology

BIOL 112. Contemporary Issues in Biology

CHEM 101. General Chemistry

CHEM 102. General Chemistry

CHEM 103. General Chemistry

CHEM 115. Chemistry of the Environment

CHEM 120. Chemistry of Life

GEOL 101. Exploring Earth

GEOL 103. Environmental Geology

GEOL 106. The Earth Through Time

PHSC 121. Physical Science Processes

PHSC 122. Physical Science Processes

PHYS 111. General Physics

PHYS 112. General Physics

PHYS 221. Physics

PHYS 222. Physics

**Area 8. Social and Behavioral Sciences (12-15 hours)**

The social and behavioral sciences – sociology, psychology, political science, history, geography, economics, and anthropology – examine the many factors that influence behavior and the ways in which human relations are structured across time and cultures. The social sciences provide a variety of perspectives, theories and methods for understanding and analyzing our world and ourselves.

Upon successful completion of this area of the curriculum, students should be able to:

- Demonstrate an understanding of how social scientists go about raising questions, formulating theories, and solving problems.
- Demonstrate an understanding of the psychological, social, and cultural factors that shape ideas and behavior.
- Demonstrate an understanding of the diverse ways in which human relations have been structured across time and cultures.
- Use knowledge and skills acquired from the social and behavioral sciences to evaluate and interpret individual and collective behavior.

The following courses have been approved for General Education credit in this area:

**Required (3-6 hours)**

HIST 101. World History to 1650

HIST 102. World History after 1650

HIST 111. U.S. History to 1877

HIST 112. U.S. History since 1877

**Required (9-12 hours selected from at least three different disciplines)**

ANTH 121. Cultural Anthropology

ANTH 301. Culture Change and Survival

ANTH 332. World Prehistory

ANTH 411. Appalachian Cultures  
 ANTH 430. Native American Cultures  
 ANTH 451. Latin American Cultures  
 ANTH 471. Economic Anthropology  
 ANTH 481. Political Anthropology  
 APST 200. Introducing Appalachia  
 ECON 101. Survey of Economics  
 ECON 105. Principles of Economics  
 ECON 106. Principles of Economics  
 ECON 295. Topics in Economics  
 ECON 309. Comparative Economic Systems  
 ECON 311. Economic Development  
 ECON 340. Global Economy and Business  
 GEOG 101. Europe and the Americas  
 GEOG 102. Africa and Asia  
 GEOG 103. Introduction to Human Geography  
 GEOG 140. Introduction to Environmental Studies  
 GEOG 201. North America  
 GEOG 202. Commonwealth of Virginia  
 GEOG 203. Appalachian Geography  
 GEOG 280. Regional Geography  
 POSC 110. Introduction to Politics  
 POSC 120. Introduction to American Government  
 POSC 130. Introduction to Comparative Government  
 POSC 140. Introduction to International Relations  
 PSYC 121. Introductory Psychology  
 PSYC 317. Child Psychology  
 PSYC 318. Adolescent Psychology  
 PSYC 343. Social Psychology  
 PSYC 361. Psychology of Personality  
 PSYC 381. Psychology of Work Behavior  
 PSYC 382. Consumer Psychology  
 PSYC 391. Psychology of Women  
 SOCY 110. Introduction to Sociology  
 SOCY 210. Social Problems  
 SOCY 250. Social Inequality  
 SOCY 331. Race and Ethnic Relations  
 SOCY 334. Population Trends and Analysis  
 SOCY 446. Social Change

NOTE: All undergraduates who attend Radford University are required to complete the General Education Program. Recognizing the diverse backgrounds and educational experiences of its students, the University provides a number of options for fulfilling the 50-hour General Education requirement.

Radford University uses the College Level Examination Program (CLEP) subject exams and College Board Advanced Placement (AP) Tests to award graduation credits. Students achieving appropriate scores on the CLEP subject examinations or on the AP tests may receive credit toward completion of General Education requirements in specific subject areas.

Students who are able to justify that their previous learning experiences are relevant to a particular course approved for General Education credit may choose to earn credit for that course by challenge examination. Individual departments are responsible for determining which courses, if any, may be challenged for credit by exam.

Students admitted to Radford University who have earned an Associate Degree from a Virginia Community College based on a baccalaureate-oriented sequence of courses will be considered to have satisfied the General Education requirement. Community college students completing the Transfer Module will receive credit toward completion of the General Education requirement.

For further information on the various options for fulfilling the 50-hour General Education requirement, students should read the appropriate sections of this catalog and should consult with their academic advisers.

### Requirements for Degrees

Note: Specific requirements for majors are found within individual college/department sections of this catalog.

### Summary of General Education Requirements

I. Communication	6-9 credit hours
II. Fine Arts	3-6 credit hours
III. Health and Wellness	3 credit hours
IV. Humanities	6-9 credit hours
V. International and Intercultural Studies	3-6 credit hours
VI. Mathematical Sciences	6 credit hours
VII. Physical and Natural Sciences	8 credit hours
VIII. Social and Behavioral Sciences	12-15 credit hours
<b>Total SemesterHrs. Required</b>	<b>50</b>