

2004-2005 UNDERGRADUATE & GRADUATE CATALOG

UNIVERSITY OF
Delaware



On the cover



The sky is the limit. With a degree from the University of Delaware, professional and higher educational goals are never ending. Searching for direction in finding your academic path? Look no further than the *2004-05 Undergraduate & Graduate Catalog*. Within these pages are the courses and requirements for hundreds of majors and minors at UD that will help you reach your goals. Our intent is to help you locate those courses, faculty members, and enriching academic experiences that inspire you most.

The University is also known for its distinguished Honors Program, nationally-recognized Undergraduate Research Program, study abroad offerings on all seven continents, and service learning options within our community and beyond our borders. Freshmen, upperclassmen, and graduate students alike are encouraged to take advantage of all of the above. With so much to offer, University of Delaware students are limited only by their imagination. We invite you to dream.

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The Undergraduate & Graduate Catalog, published annually in print and online formats, is intended for use by students and faculty at the University. It contains academic policies, regulations, and procedures; a listing and description of all courses; descriptions of degree requirements; and lists of faculty and administrators. You can access the online catalog anytime at <http://udcatalog.udel.edu/>.

All new students admitted to the University receive a copy of this catalog during New Student Orientation. Additional copies may be purchased at the University Bookstore or by mail order. Copies are also available for examination at area high school guidance offices, the University Admissions Office, and the Graduate Studies Office. The University of Delaware will be pleased to supply copies, without charge, to any high school guidance office upon request.

The University of Delaware reserves the right to make changes in the regulations, charges, and curricula listed in this publication at any time without prior notice, although efforts to publicize such changes will be made.



UNDERGRADUATE & GRADUATE
CATALOG

UNIVERSITY OF DELAWARE
2004-2005

A MESSAGE TO STUDENTS



Your decision to attend the University of Delaware is an important one. That choice may have been based on college guides, such as the *Fiske Guide to Colleges*, which said, "If you're looking for an all-American, traditional college experience, take a gander at the University of Delaware." Or, you may have been influenced by our beautiful campus, which the *Princeton Review* called "absolutely the most gorgeous campus anywhere." Or, you might be following in the footsteps of family members or friends.

Perhaps you were attracted by the quality of our academic programs, such as the award-winning University Honors Program, whose graduates have won many national and international honors, including the Rhodes Scholarship, the Truman Scholarship and the Mitchell Scholarship.

Or, your decision may have been influenced by some of the many distinctions the University has achieved in the last few years, such as being cited by *U.S. News and World Report* as one of the country's top 25 public institutions, being selected a top value among public colleges by Kiplinger's Personal Finance magazine, being named among the top 10 of "America's Most Wired Colleges" in *Yahoo! Internet Life Magazine*, being dubbed one of *Careers and Colleges Magazine's* "Cool Schools" or being called a "best buy" by *Money* magazine.

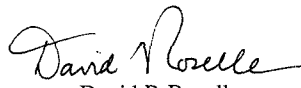
One of the best reasons for choosing Delaware is our commitment to provide you with the tools and resources to reach your goals. That commitment has been recognized in several ways. In recent national surveys, UD student responses have been significantly more positive than national averages and, at the same time, more positive than UD student responses of even five or ten years ago. Students ranked us highly in such areas as registration procedures, variety of courses offered, out-of-class availability of instructors, library facilities and services, computer services, classroom facilities, laboratory facilities and general condition of buildings and grounds. And, in a recent survey, our alumni responded overwhelmingly that they would want their children to attend UD.

That positive feeling about the University of Delaware is nowhere more evident than in the success we already have achieved with the Campaign for Delaware, the first comprehensive capital campaign in the institution's history. The campaign concluded its initial five-year term in October 2003, surpassing the original goal of \$225 million by more than \$150 million. In celebration of that success, we have extended the campaign for an additional year -a victory lap- with a specific goal: raising the money to pay for a new \$54 million Center for the Arts and parking facility now being built on the campus. This campaign has proved an excellent opportunity for our many alumni and friends to demonstrate the high esteem in which they hold this institution and their desire to be involved in ensuring its continuing success in the new century. As a new student at Delaware, you truly are one of the beneficiaries of all this generosity-the money raised throughout this campaign has had a very real impact on this campus and on the education you will receive here. For example, scholarship support for undergraduates has tripled over the last decade. And, the new Center for the Arts is scheduled to open in 2006, during your time at Delaware!

As you begin the task of turning your dreams into reality and of forming your own very special relationship with UD, this catalog is an important first tool. Use it – and all of the University's resources, from the library to our prestigious faculty – as jumping-off places, stimuli to help you think of new and ever-more-challenging goals.

Know that all of us in the University of Delaware community are committed to doing whatever we can to help you succeed in attaining your goals.

Sincerely,


David P. Roselle
President



CONTENTS

General Information

A Message to Students	iii
Synopsis of Baccalaureate Degree Programs	vi
Synopsis of Honors Baccalaureate Degree Programs	viii
Synopsis of Undergraduate Minors	ix
Synopsis of Graduate Degree Programs	x
University Calendar	xiii
 The University	 1
Research Centers, Institutes and Special Facilities	5
Flexible Programs Promote Lifelong Learning	15
Fees and Financial Aid	19
Resources for Students	27
Student Life and Activities	33

Undergraduate Programs

Undergraduate Admissions	41
Opportunities to Enrich Your Undergraduate Education	45
Academic Regulations for Undergraduates	51
Academic Programs	
College of Agriculture and Natural Resources	65
College of Arts and Sciences	83
College of Business and Economics	163
College of Engineering	173
College of Health and Nursing Sciences	185
College of Human Services, Education and Public Policy	201
College of Marine Studies	215

Graduate Programs

Graduate Admissions	219
Graduate Fellowships and Assistantships	223
Academic Regulations for Graduate Students	227
Academic Programs	
College of Agriculture and Natural Resources	237
College of Arts and Sciences	245
College of Business and Economics	267
College of Engineering	273
College of Health and Nursing Sciences	281
College of Human Services, Education and Public Policy	287
College of Marine Studies	299

Reference Material

Board of Trustees, Faculty, and Professional Staff	303
Interpretation of Course Numbers and Symbols	345
Course Listings	346
Index	521

SYNOPSIS OF BACCALAUREATE DEGREE PROGRAMS

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES	<i>Bachelor of Science</i>	<p>Agriculture and Natural Resources Agricultural and Technology Education (includes Technology Education and Agricultural and Natural Resources Education) Animal Science (includes Preveterinary Medicine, Animal Biotechnology, Applied Animal Science, and General Animal Science) Engineering Technology (includes Applied Electronics and Controls, and Construction Technology and Technical Management) Entomology Environmental Soil Science Food and Agribusiness Management (includes Food Marketing)</p>	<p>Food Business Management and Technology Food Science and Technology (includes Food Science and Food Technology) Landscape Horticulture Natural Resource Management Plant Biology Plant Protection Plant Science Resource Economics (includes Environmental Economics) Statistics Wildlife Conservation</p>
	<i>Bachelor of Arts</i>	<p>Anthropology Anthropology Education Art Art Conservation (includes Collections Care and Pre-Graduate Study) Art History Biological Sciences Biological Sciences Education Chemistry Chemistry Education Communication (includes Interpersonal, Mass Communication) Comparative Literature Computer Science Continental European Studies Criminal Justice Earth Science Education East Asian Studies Economics (includes Applied Economics, Economic Theory and Econometrics) Economics Education English (includes Business/Technical Writing, Creative Writing, Drama, Ethnic/Cultural Studies, Film, Journalism) English Education Foreign Languages and Literatures (includes Ancient Greek and Roman Studies, French Studies, German Studies, Italian Studies, Russian Studies, Spanish Studies, Three Languages) French Education French/Political Science Geography Geography Education</p>	<p>Geology German Education German/Political Science History (includes American History, European History, Global History, Journalism, Policy History) History Education History/Classics History/French History/German History/Russian History/Spanish International Relations Italian Education Latin American Studies Latin Education (includes Classics) Mathematical Sciences Mathematics Education Music (includes Music Management Studies) Philosophy Physics Physics Education Political Science (includes American Politics, Global Studies, Politics and Journalism, Public Law, Public Policy and Administration) Political Science Education Psychology Psychology Education Sociology (includes Data Analysis, Health Services, Law and Society, and Social Welfare) Sociology Education Spanish Education Spanish/Political Science Theatre Production Women's Studies</p>
	<i>Bachelor of Arts in Liberal Studies</i>	Liberal Studies	
	<i>Bachelor of Fine Arts</i>	Fine Arts	Visual Communications
	<i>Bachelor of Music</i>	<p>Applied Music—Instrumental (includes Bassoon, Clarinet, Double Bass, Early Instrumental Music, Euphonium, Flute, Guitar, Harpsichord, Horn, Oboe, Percussion, Saxophone, Trombone, Trumpet, Violin, Violoncello, Viola) Applied Music—Piano Applied Music—Voice Music Theory/Composition</p>	<p>Music Education—Instrumental (includes Bassoon, Clarinet, Double Bass, Euphonium, Flute, Guitar, Horn, Oboe, Percussion, Piano, Saxophone, Trombone, Trumpet, Tuba, Violin, Violoncello, Viola) Music Education—General/Choral (includes Piano, Voice)</p>
	<i>Bachelor of Science</i>	<p>Biochemistry Biological Sciences (includes Biotechnology, Cellular and Molecular Biology and Genetics, Ecology and Organismic Biology) Chemistry (includes Environmental Chemistry) Computer Science Environmental Science</p>	<p>Geology (includes Geophysics, Paleobiology) Information Systems Mathematical Sciences Mathematics and Economics Physics (includes Astronomy/Astrophysics, Chemical Physics, Materials Physics)</p>

SYNOPSIS OF BACCALAUREATE DEGREE PROGRAMS (*continued*)

ALFRED LERNER COLLEGE OF BUSINESS AND ECONOMICS	<i>Bachelor of Arts</i>	Economics (includes Applied Economics, Economic Theory and Econometrics)	
	<i>Bachelor of Science</i>	Accounting Economics (includes Applied Economics, Economic Theory and Econometrics) Finance	Management Information Systems Management Marketing Operations Management
COLLEGE OF ENGINEERING	<i>Bachelor of Chemical Engineering</i>	Chemical Engineering	
	<i>Bachelor of Civil Engineering</i>	Civil Engineering	
	<i>Bachelor of Computer Engineering</i>	Computer Engineering	
	<i>Bachelor of Electrical Engineering</i>	Electrical Engineering	
	<i>Bachelor of Environmental Engineering</i>	Environmental Engineering	
	<i>Bachelor of Mechanical Engineering</i>	Mechanical Engineering	
COLLEGE OF HEALTH AND NURSING SCIENCES	<i>Bachelor of Science</i>	Applied Nutrition Athletic Training Dietetics Exercise Science (includes Biomechanics, Exercise Physiology, Figure Skating Science) Health Behavior Management (includes Fitness Management, Recreation and Park Administration, and Sport Management)	Health and Physical Education Health Studies Medical Technology Nutritional Sciences
	<i>Bachelor of Science in Nursing</i>	Nursing	Baccalaureate for the Registered Nurse (B.R.N.)
COLLEGE OF HUMAN SERVICES, EDUCATION AND PUBLIC POLICY	<i>Bachelor of Arts in Educational Studies</i>	Educational Studies	
	<i>Bachelor of Science in Education</i>	Elementary Teacher Education	
	<i>Bachelor of Science</i>	Apparel Design Early Childhood Development and Education Family and Community Services (Family Research, Human Services) Fashion Merchandising	Hotel, Restaurant and Institutional Management Human Services, Education and Public Policy Leadership

SYNOPSIS OF HONORS BACCALAUREATE DEGREE PROGRAMS

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES	Animal Science, B.S. Dean's Scholar in Agricultural and Natural Resources, B.S. Entomology, B.S.	Food Science and Technology, B.S. Natural Resource Management, B.S. Wildlife Conservation, B.S.
COLLEGE OF ARTS AND SCIENCES	Ancient Greek and Roman Studies, B.A. Anthropology, B.A. Anthropology Education, B.A. Art Conservation, B.A. Art History, B.A. Biochemistry, B.S. Biological Sciences, B.A. Biological Sciences Education, B.A. Biotechnology, B.S. Chemistry, B.S. Chemistry Education, B.A. Communication, B.A. Computer Science, B.A. and B.S. Continental European Studies, B.A. Criminal Justice, B.A. Dean's Scholar in Arts and Sciences East Asian Studies, B.A. Economics, B.A. Economics Education, B.A. English, B.A. English Education, B.A. Foreign Languages/Political Science, B.A. Foreign Languages-Three Languages, B.A. French Studies, B.A. French Education, B.A. Geography, B.A. Geography Education, B.A. German Studies, B.A.	German Education, B.A. History, B.A. History Education, B.A. History/Foreign Languages, B.A. Information Systems, B.S. International Relations, B.A. Italian Studies, B.A. Italian Education, B.A. Latin Education, B.A. Liberal Studies, B.A.L.S. Mathematical Sciences, B.A. and B.S. Mathematics and Economics, B.S. Mathematics Education, B.A. Music and Music Theory/Composition, B.A. and B.M. Philosophy, B.A. Physics, B.A. Physics, B.S. Physics Education, B.A. Political Science, B.A. Political Science Education, B.A. Psychology, B.A. Psychology Education, B.A. Russian Studies, B.A. Sociology, B.A. Spanish Studies, B.A. Spanish Education, B.A. Women's Studies, B.A.
ALFRED LERNER COLLEGE OF BUSINESS AND ECONOMICS	Accounting, B.S. Economics, B.A. and B.S. Finance, B.S. Management Information Systems, B.S.	Management, B.S. Marketing, B.S. Operations Management, B.S.
COLLEGE OF ENGINEERING	Chemical Engineering, B.Ch.E. Civil Engineering, B.C.E. Computer Engineering, B.Cp.E.	Electrical Engineering, B.E.E. Environmental Engineering, B.En.E. Mechanical Engineering, B.M.E.
COLLEGE OF HEALTH AND NURSING SCIENCES	Athletic Training, B.S. Applied Nutrition, B.S. Dietetics, B.S. Exercise Science, B.S. Health and Physical Education, B.S.	Health Behavior Management, B.S. Medical Technology, B.S. Nursing, B.S.N. Nutritional Sciences, B.S.
COLLEGE OF HUMAN SERVICES, EDUCATION AND PUBLIC POLICY	Apparel Design, B.S. Early Childhood Development & Education, B.S. Educational Studies, B.A.E.S. Elementary Teacher Education, B.S.	Family & Community Services, B.S. Fashion Merchandising, B.S. Hotel, Restaurant & Institutional Management, B.S. Leadership, B.S.

SYNOPSIS OF UNDERGRADUATE MINORS

	Minor	Advisor – Location
COLLEGE OF AGRICULTURE AND NATURAL RESOURCES	Animal Science.....	Office of Academic Programs – 113 Townsend
	Engineering Technology.....	Office of Academic Programs – 113 Townsend
	Entomology.....	Office of Academic Programs – 113 Townsend
	Environmental Soil Science.....	Office of Academic Programs – 113 Townsend
	Food and Agribusiness Management.....	Office of Academic Programs – 113 Townsend
	Food Science.....	Office of Academic Programs – 113 Townsend
	Landscape Horticulture.....	Office of Academic Programs – 113 Townsend
	Operations Research.....	P.K. Krishnan – 262 Townsend
	Plant Biology.....	Office of Academic Programs – 113 Townsend
	Resource Economics.....	Office of Academic Programs – 113 Townsend
	Statistics.....	Department Chair – 213 Townsend
	Wildlife Conservation.....	Office of Academic Programs – 113 Townsend
COLLEGE OF ARTS AND SCIENCES	African Studies.....	Wunyabari Maloba – 207 Munroe
	American Material Culture Studies.....	Bernard Herman – 317 Old College
	Anthropology.....	Kenneth Ackerman – 106 Munroe
	Art.....	Virginia Bradley – 103 Recitation Hall
	Art History.....	David Stone – 321 Old College
	Bioinformatics.....	Keith Decker – 103 Smith
	Biology.....	David Smith – 237 Wolf
	Black American Studies.....	Howard Johnson – 423 Ewing
	Chemistry.....	John Burmeister – 102 Brown Lab
	Cognitive Science.....	Irene Vogel – 46 E. Delaware Ave - Rm. 205
	Comparative Literature.....	Judy McInnis – 441 Smith
	Computational Biology.....	David Usher – 223 McKinly Lab.
	Computer Science.....	Keith Decker – 103 Smith
	East Asian Studies.....	David Pong – 237 Munroe
	English.....	Thomas Pauly – 209 Memorial
	Foreign Languages:	
	Ancient Greek and Roman Studies.....	Department of Foreign Languages and Literatures – 325 Smith
	Chinese.....	Department of Foreign Languages and Literatures – 325 Smith
	French, French Studies.....	Bonnie Robb – 426 Smith
	German, German Studies.....	Elizabeth Thibault – 108 Mitchell
	Italian.....	Laura Salsini – 431 Smith
	Japanese.....	Mark Miller – 443 Smith
	Russian.....	Susan Amert – 440 Smith
	Spanish, Spanish Studies.....	Alexander Selimov – 450 Smith
	Geography.....	Peter Rees – 228 Pearson
	Geology.....	Allan Thompson – 106 Penny Hall
	History.....	Jesus Cruz – 130 Munroe
	Irish Studies.....	John Montano – 205 Munroe
	Jewish Studies.....	Vivian Klaff – 231 South College Ave.
	Latin American Studies.....	Cynthia Schmidt-Cruz – 433 Smith
	Legal Studies.....	Kenneth Koford – 410 Purnell
	Linguistics.....	Irene Vogel – 46 E. Delaware Ave - Rm. 205
	Mathematics.....	Y.J. Leung – 527 Ewing
	Medical Humanities.....	Florence Schmieg – 207 McKinly Lab.
	Medieval Studies.....	Daniel Callahan – 218 Munroe
	Music:	
	Applied Music (includes Bassoon, Clarinet, Double Bass, Euphonium, Flute, Guitar, Horn, Oboe, Organ, Percussion, Piano, Saxophone, Trombone, Trumpet, Tuba, Violin, Violoncello, Voice, Viola).....	Lloyd Shorter – 209 Amy du Pont Music Bldg.
	Jazz Studies.....	Harvey Price – 128 Amy du Pont Music Bldg.
	Church Music.....	David Herman, 209 Amy du Pont Music Bldg.
	Music Management Studies.....	Elaine Brenchley – 321 Amy du Pont Music Bldg.
	Musical Studies.....	Lloyd Shorter – 209 Amy du Pont Music Bldg.
	Philosophy.....	Robert Brown – 24 Kent Way
	Physics.....	Barry Walker – 264 Sharp Lab.
	Political Science.....	Gretchen Bauer – 459 Smith
	Psychology.....	Barbara Giza – 217 Wolf
	Public Administration.....	Gretchen Bauer – 459 Smith
	Religious Studies.....	Alan D. Fox – 15 Kent Way - Rm. 204
	Sociology.....	Jeffrey L. Davidson – 25 Amstel Ave.
	Theatre.....	Joann Browning – 409 Academy St.
	Women's Studies.....	Jessica Schiffman – 333 Smith
ALFRED LERNER COLLEGE OF BUSINESS AND ECONOMICS	Business Administration.....	Sandra M. Fields – 236 Alfred Lerner Hall
	Economics.....	Michael Arnold – 420 Purnell
	International Business.....	Sandra M. Fields – 236 Alfred Lerner Hall
	Management Information Systems.....	Diane Wright – 006 Purnell
COLLEGE OF ENGINEERING	Biochemical Engineering.....	Anne Robinson – 259 Colburn
	Civil Engineering.....	Ardeshir Faghri – 346A DuPont
	Environmental Engineering.....	Pei Chiu – 344A DuPont
	Materials Science.....	Ismat Shah – 208 DuPont
COLLEGE OF HEALTH AND NURSING SCIENCES	Coaching Science.....	Loren E. Kline – 120 Delaware Field House
	Nutrition.....	Elizabeth Lieux – 244A Alison
	Strength and Conditioning.....	Jeff Schneider – 114 Fred Rust Ice Arena
COLLEGE OF HUMAN SERVICES, EDUCATION AND PUBLIC POLICY	Disabilities Studies.....	Carol Denson – 314 Alison West
	Educational Studies.....	Robert Taggart – 219D Willard Hall
	Leadership.....	Audrey Helfman – 217 Alison West

SYNOPSIS OF GRADUATE DEGREE PROGRAMS

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES	<i>Master of Arts</i>	Agricultural and Technology Education	
	<i>Master of Science</i>	Agriculture and Resource Economics Animal Science Entomology and Applied Ecology Food Science Operations Research	Plant and Soil Sciences Public Horticulture Statistics Wildlife Ecology
	<i>Doctor of Philosophy</i>	Animal Science Entomology and Applied Ecology	Operations Research Plant and Soil Sciences
COLLEGE OF ARTS AND SCIENCES	<i>Master of Arts</i>	Art Art History Chemistry and Biochemistry Communication Criminology Early American Culture English Foreign Languages and Literatures Foreign Languages and Pedagogy	Geography History Liberal Studies Linguistics Physics Political Science and International Relations Psychology Sociology
	<i>Master of Fine Arts</i>	Fine Arts	Theatre
	<i>Master of Music</i>	Music	
	<i>Master of Science</i>	Applied Mathematics Art Conservation Biological Sciences Chemistry and Biochemistry Computer and Information Sciences	Geography Geology Mathematics Physics
	<i>Doctor of Philosophy</i>	Applied Mathematics Art History Biological Sciences Chemistry and Biochemistry Climatology Computer and Information Sciences Criminology English Geology	History Linguistics Mathematics Physics Political Science and International Relations Psychology Sociology
	<i>Doctor of Physical Therapy</i>	Physical Therapy	
ALFRED LERNER COLLEGE OF BUSINESS AND ECONOMICS	<i>Master of Arts</i>	Economics	Economics and Entrepreneurship for Educators
	<i>Master of Arts/ Master of Business Administration</i>	Economics/Business Administration	
	<i>Master of Business Administration</i>	Business Administration	
	<i>Master of Business Administration/ Master of Science</i>	Organizational Effectiveness, Development and Change	
	<i>Master of Science</i>	Accounting Economics Information Systems and Technology Management	Organizational Effectiveness, Development and Change
	<i>Doctor of Philosophy</i>	Economics	
COLLEGE OF ENGINEERING	<i>Master of Applied Sciences</i>	Civil Engineering	
	<i>Master of Chemical Engineering</i>	Chemical Engineering	
	<i>Master of Civil Engineering</i>	Civil Engineering	

SYNOPSIS OF GRADUATE DEGREE PROGRAMS (continued)

COLLEGE OF ENGINEERING	<i>Master of Science</i>	Biomechanics and Movement Science (interdisciplinary) Electrical and Computer Engineering	Mechanical Engineering (thesis) Ocean Engineering
	<i>Master of Engineering: Mechanical</i>	Mechanical Engineering (non-thesis)	
	<i>Master of Materials Science and Engineering</i>	Materials Science	
	<i>Doctor of Philosophy</i>	Biomechanics and Movement Science (interdisciplinary) Chemical Engineering Civil Engineering	Electrical and Computer Engineering Materials Science and Engineering Mechanical Engineering Ocean Engineering
COLLEGE OF HEALTH AND NURSING SCIENCES	<i>Master of Science</i>	Exercise Science Health Promotion	Health Services Administration Human Nutrition
	<i>Master of Science in Nursing</i>	Nursing (Includes Adult Nurse Practitioner, Clinical Nurse Specialist, Family Nurse Practitioner, and Health Services Administration Certification)	
	<i>Certificate Programs</i>	Nutrition and Dietetics Certificate Program	Post-Master's Certificate Program in Nursing
COLLEGE OF HUMAN SERVICES, EDUCATION AND PUBLIC POLICY	<i>Master of Arts</i>	Education Teaching English as a Second Language	School Psychology Urban Affairs and Public Policy
	<i>Master of Education</i>	College Counseling Curriculum and Instruction Educational Leadership Educational Technology	Exceptional Children and Youth Reading Student Affairs Practice in Higher Education
	<i>Master of Environmental and Energy Policy</i>	Environmental and Energy Policy	
	<i>Master of Instruction</i>	Instruction	
	<i>Master of Public Administration</i>	Public Administration	
	<i>Master of Science</i>	Hospitality Information Management	Human Development and Family Studies
	<i>Doctor of Education</i>	Educational Leadership	
	<i>Doctor of Philosophy</i>	Education Environmental and Energy Policy	Human Development and Family Studies Urban Affairs and Public Policy
COLLEGE OF MARINE STUDIES	<i>Master of Marine Policy</i>	Marine Policy	
	<i>Master of Science</i>	Marine Studies	Ocean Engineering
	<i>Doctor of Philosophy</i>	Marine Studies Oceanography	Ocean Engineering



UNIVERSITY CALENDAR

FALL SEMESTER 2004

Monday, August 9

Late registration and change of registration begin via website.

Saturday, August 28

Residence halls check-in for new students: 8:00 a.m. to 4:00 p.m.

Fall DelaWorld Phase II begins.

Sunday, August 29

Residence halls check-in for returning students: 9:00 a.m. to 9:00 p.m.

Monday, August 30

New Student Convocation: 10:30 a.m.

Advisement and registration.

Residence halls check-in for returning students: 11:00 a.m. to 3:00 p.m.

Tuesday, August 31

Classes begin at 8:00 a.m.

Deadline for admission to doctoral candidacy for degrees to be conferred in December 2004 or February 2005.

Monday, September 6

Holiday, University offices closed.

Friday-Sunday, September 10-12

Freshmen Parents Weekend.

Tuesday, September 14

Last day to register or to add courses. After this date, tuition and a one-time \$20 processing fee will be charged for change of registration; students withdrawing from courses will receive a grade of "W" on permanent record. No tuition refund for course withdrawals after this date.

Deadline for undergraduate students for completion of deferred examinations and incomplete work (grade I) from Spring Semester 2004 and 2004 Summer Sessions.

Wednesday, September 15

Rosh Hashanah begins at sundown; continues next two days. See policy in Faculty Handbook on excused absence.

Thursday, September 16

Deadline for filing application for graduate degrees to be conferred in December 2004.

Friday, September 24

Yom Kippur begins at sundown; continues following day. See policy in Faculty Handbook on excused absence.

Friday-Sunday, October 1-3

Homecoming Weekend.

Friday, October 15

Freshman midterm marking period ends.

Friday, October 22

Deadline for graduate students for completion of deferred examinations and incomplete work (grade I) from Spring Semester 2004 and 2004 Summer Sessions.

Friday-Sunday, October 22-24

Parents and Family Weekend.

Monday, October 25

Registration begins for Winter Session.

Tuesday, October 26

Last day to change registration or to withdraw from courses without academic penalty.

Tuesday, November 2

Election Day; classes suspended. University offices closed.

Monday, November 15

Deadline for receipt of doctoral dissertations and executive position papers for degrees to be conferred in December 2004.

Undergraduate admission application deadline for freshmen and transfer students entering Spring Semester 2005.

Thursday, November 18

Registration for Spring Semester 2005 begins.

Monday, November 22

Deadline for receipt of master's theses for degrees to be conferred in December 2004.

Wednesday, November 24

Thanksgiving recess begins at 5:00 p.m. Classes starting at or after 5:00 p.m. will not meet.

Residence halls close at 7:00 p.m.

Thursday, November 25

Holiday, University offices closed; classes suspended.

Friday, November 26

Holiday, University offices closed; classes suspended.

Sunday, November 28

Residence halls open at 2:00 p.m.

Monday, November 29

Classes resume following Thanksgiving recess.

Wednesday, December 1

Deadline for graduate admission applications for Spring Semester 2005.

Wednesday, December 8

Last day of classes; classes end at 10:00 p.m.

Thursday, December 9

Reading day (no examinations scheduled).

Friday, December 10

Final examinations begin.

Grades due in Registrar's Office 72 hours after scheduled examination or last class meeting when no final examination is given.

Saturday-Sunday, December 11 & 12

Reading days (no examinations scheduled).

Wednesday, December 15

Deadline for filing application for graduate degrees to be conferred in February 2005.

Friday, December 17

Final examinations end.

Residence halls close at 10:00 p.m.

Saturday, January 8

January Commencement.

WINTER SESSION 2005

Monday, October 25

Registration for Winter Session begins.

Monday, November 15

Late registration and change of registration begin via Web.

Monday, December 13

Fee payment deadline for Winter Session.

Sunday, January 2

Residence halls check-in: 2:00 p.m. to 9:00 p.m.

Monday, January 3

Classes begin at 8:00 a.m.

Residence halls check-in for Winter Session walk-ins, 9:00 a.m. to 3:00 p.m.

Thursday, January 6

Last day to register or to add courses. After this date, tuition and a one-time \$20 processing fee will be charged for change of registration; students withdrawing from courses will receive a grade of "W" on permanent record. No tuition refund for course withdrawals after this date.

Friday, January 14

Deadline for graduate admission recommendations from departments for Spring Semester 2005.

Monday, January 17

Deadline for receipt of dissertations, executive position papers and master's theses for degrees conferred in February 2005.

Martin Luther King Day - University offices closed; classes suspended.

Friday, January 21

Last day to change registration or to withdraw from courses without academic penalty.

Friday, February 4

Last day of classes.

Saturday, February 5

Final examinations.

Grades due in Registrar's Office 72 hours after scheduled examination or last class meeting when no final examination is given. Students leaving after Winter Session must check out of residence halls by 7:00 p.m.

Monday, February 7

Deadline for admission to doctoral candidacy for degrees conferred in May 2005.

SPRING SEMESTER 2005

Monday, November 15

Undergraduate admission application deadline for freshmen and transfer students entering Spring Semester 2005. Applications received after this date will be reviewed on a space available basis.

Thursday, November 18

Registration for Spring Semester 2005 begins.

Wednesday, December 1

Graduate admission application deadline for Spring Semester 2005.

Friday, January 2

Undergraduate readmission application deadline for Spring Semester 2005.

Friday, January 7

Fee payment deadline for Spring Semester 2005.

Thursday, January 13

Spring DelaWorld Phase I.

Friday, January 14

Deadline for graduate admission recommendations from departments for Spring Semester 2005.

Monday, January 17

Deadline for receipt of dissertations, executive position papers and master's theses for degrees conferred in February 2005.

Monday, January 24

Late registration and change of registration for advance registered students begins via Web.

Sunday, February 6

Residence halls check-in 2:00 p.m. to 9:00 p.m.; Room change period for students on campus during Winter Session, 9:00 a.m. to 12:00 noon.

Monday, February 7

Spring DelaWorld Phase II.

Classes begin at 4:00 p.m.

Residence halls check-in 9:00 a.m. to 3:00 p.m.

Deadline for admission to doctoral candidacy for degrees to be conferred in May 2005.

Monday, February 14

Deadline for filing application for graduate degrees to be conferred in May 2005.

Tuesday, February 15

Undergraduate admission application deadline for freshmen entering Fall Semester 2005.

Monday, February 21

Last day to register or to add courses. After this date, tuition and a one-time \$20 processing fee will be charged for change of registration; students withdrawing from courses will receive a grade of "W" on permanent record. No tuition refund for course withdrawals after this date.

Deadline for undergraduate students for completion of deferred examinations and incomplete work (grade I) from Fall Semester 2004 and 2005 Winter Session.

Friday, March 18

Deadline for graduate students for completion of deferred examinations and incomplete work (grade I) from Fall Semester 2004 and 2005 Winter Session.

Friday, March 25

Spring Recess begins after last scheduled class; Residence halls close at 7:00 p.m.

Freshman midterm marking period ends.

Good Friday. See policy in Faculty Handbook on excused absence.

Friday, April 1

Deadline for graduate admission applications for admission in June 2005.

Sunday, April 3

Residence halls open at 2:00 p.m.

Monday, April 4

Classes resume after Spring Recess at 8:00 a.m.

Registration for 2005 Summer Session begins.

Monday, April 11

Deadline for receipt of doctoral dissertations and executive position papers for degrees to be conferred in May 2005.

Thursday, April 14

Registration for Fall Semester 2005 begins.

Monday, April 18

Last day to change registration or to withdraw from courses without academic penalty.

Deadline for receipt of master's theses for degrees to be conferred in May 2005.

Saturday, April 23

Passover begins at sundown; continues next two days. See policy in Faculty Handbook on excused absence.

Sunday, May 1

Undergraduate admission application deadline for transfer students entering Fall Semester 2005.

Monday, May 2

Deadline for admission to doctoral candidacy for degrees to be conferred in August 2005.

Friday, May 6

Honors Day. Modified class schedule.

Monday, May 16

Deadline for filing application for graduate degrees to be conferred in August 2005.

Wednesday, May 18

Last day of classes; classes end at 10:00 p.m.

Thursday, May 19

Reading Day; no examinations scheduled.

Friday, May 20

Final exams begin. Grades due in Registrar's Office 72 hours after scheduled examination or last class meeting when no final examination is given.

Saturday, May 21

Reading Day; no examinations scheduled.

Sunday, May 22

Reading Day; no examinations scheduled.

Friday, May 27

Final examinations end.

Residence halls close at 10:00 p.m. for nongraduates.

Saturday, May 28

Commencement.

Residence halls close at 6:00 p.m. for graduates.

Monday, May 30

Holiday. University offices closed.

FIRST SUMMER SESSION 2005*Monday, April 4*

Registration for 2005 Summer Sessions begins.

Sunday, June 5

Residence halls check-in for 5 and 7 1/2 week sessions; noon to 5 p.m.

Monday, June 6

Classes begin.

Monday, July 4

Holiday, University offices closed; classes suspended.

Friday, July 8

Classes end, 5 week Summer Session.

Saturday, July 9

Final examinations; 5 week Summer Session. Students attending 5 week Summer Session to check out of residence halls by 7:00 p.m.

Monday, July 25

Classes end, 7 1/2 week Summer Session classes meeting Monday/Wednesday.

Tuesday, July 26

Classes end, 7 1/2 week Summer Session classes meeting Tuesday/Thursday.

Wednesday, July 27

Final Exams, 7 1/2 week Summer Session classes meeting Monday/Wednesday.

Thursday, July 28

Final Exams, 7 1/2 week Summer Session classes meeting Tuesday/Thursday.

Students attending 7 1/2 week sessions to check out of residence halls by 7:00 p.m.

SECOND SUMMER SESSION 2005

Thursday, July 1

Deadline for graduate admission applications for admission to the Fall Semester 2004 (some departments have earlier deadlines).

Monday, July 11

Classes begin.

Monday, July 19

Deadline for submission of doctoral dissertations and executive position papers for degrees to be conferred in August 2005.

Monday, July 26

Deadline for submission of master's theses for degrees to be conferred in August 2005.

Thursday, August 11

Classes end.

Friday, August 12

Final examinations; residence halls close for 2nd Summer Session at 7:00 p.m.



THE UNIVERSITY

- **Tradition and Innovation – Our History and Our Future**
- **Diverse Colleges and Extensive Degree Programs**
- **Our Academic Calendar Offers Flexible Scheduling**
- **Teachers Who Teach**

TRADITION AND INNOVATION – OUR HISTORY AND OUR FUTURE

One of the oldest institutions of higher education in the country, the University of Delaware combines tradition and innovation, offering students a rich heritage along with the latest in instructional and research technology.

The University traces its origin to a small school in New London, Pa., opened in 1743 by the distinguished Colonial scholar, the Rev. Dr. Francis Alison. By 1765, the school had been moved to Newark, Del., where it received a charter as the Academy of Newark from Thomas and Richard Penn in 1769. The State of Delaware chartered the school in 1833, and the institution was renamed Delaware College in 1843. A Women's College was opened in 1914, and in 1921, the two coordinate colleges were officially named the University of Delaware.

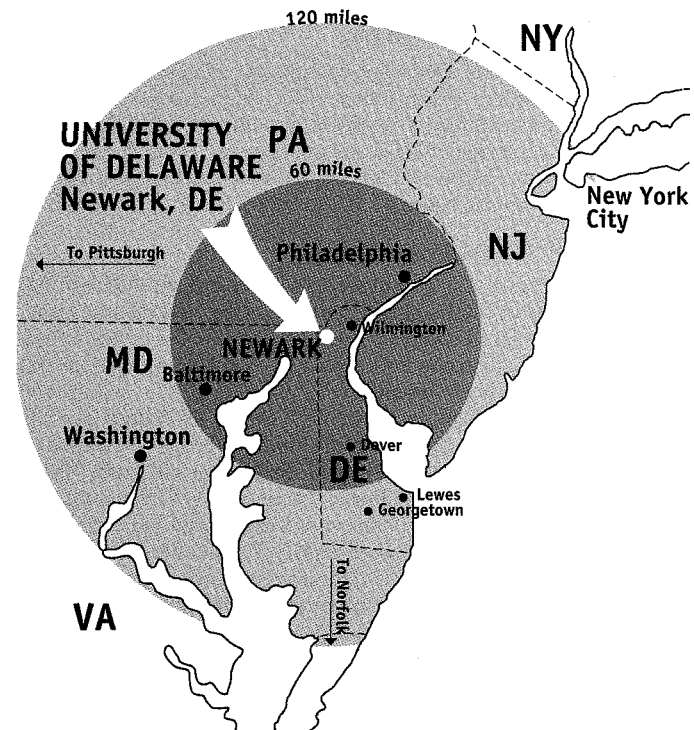
Graduate programs leading to a master's degree have been available since before the turn of the century. Doctoral programs have been offered since the 1940s. Currently, the University offers more than 100 different programs leading to a master's degree and over 40 different programs leading to a doctoral degree through 46 departments in the seven instructional colleges. In 2003, 743 master's degrees and 135 doctoral degrees were conferred.

Today, there are more than 130,000 active University of Delaware alumni who live in every state of the U.S. and more than 75 foreign countries.

A state-assisted, privately governed institution, the University of Delaware joined the ranks of historic land-grant colleges in 1867. Today, it is a land-grant, sea-grant, space-grant and urban-grant Carnegie Doctoral/Research Extensive university. Midway between Philadelphia and Baltimore, the main campus is located in Newark, Delaware, a suburban community of 30,000. But, courses are offered statewide, at locations including Wilmington, Dover, Milford, Georgetown, and Lewes. In addition to full-time and part-time educational opportunities, the University offers a rich array of public lectures, exhibitions, performances, service programs and athletic competitions. The UD also is home to a unique training program for world-class figure skaters.

The campus is a place of great beauty. In recent years, special enhancements have included renovations to classrooms, laboratories and virtually every building on campus. The University recently opened DuPont Hall—a newly renovated facility for the College of

- **Students Are Our Focus**
- **Our Unique Research Opportunities**
- **Cooperative Programs With Other Institutions**
- **Keeping Informed and Involved**



Engineering that completes the historic campus known as The Green, and the newly renovated Mechanical Hall which will house the Paul R. Jones collection, one of the oldest, largest and most complete holdings of African-American art in the world. In addition to new construction, the University has an ongoing commitment to the restoration and renovation of historic buildings that are a special part of the central campus—a commitment recognized and praised by several external organizations.

The University works cooperatively with the area's unique cultural and technical institutions, and it provides the finest library facilities in the state. The University has been honored as a national model for its exemplary campus-wide technology network, incorporating video, data and voice, and for the use of that network to enhance teaching, learning, research, administration, and community service.

MISSION STATEMENT.

The central mission of the University of Delaware is to cultivate both learning and the free exchange of ideas. To this end, the University provides excellent undergraduate and graduate courses of study in a variety of disciplines. Our graduates should know how to reason critically and independently yet collaborate productively. They should understand the cultural and physical world, communicate clearly in writing and speech, and develop into informed citizens and leaders. The University faculty has a strong tradition of distinguished scholarship, research, and teaching, which is grounded in a commitment to increase scientific, humanistic, and social knowledge for the enrichment of the larger society. A state-assisted, privately-governed institution, the University of Delaware was founded as a private academy in 1743, received its collegiate charter from the state in 1833, and was designated one of the nation's historic land-grant colleges in 1867. The University works cooperatively with the area's unique cultural and technical institutions; it provides the finest library in the state and offers the region's people a rich array of public lectures, exhibitions, performances, service programs, and athletic competitions. The University strives for an atmosphere in which all people feel welcome to learn, embracing creativity, critical thinking, and free inquiry, and respecting the views and values of an increasingly diverse population.

STATEMENT OF RESPONSIBILITY.

The University of Delaware community values both personal and academic freedom. All members of the campus community have the personal responsibility to promote an atmosphere of civility in which the free exchange of ideas and opinions can flourish. We do so by learning from individual and collective differences and by respecting every human being.

A COMMITMENT TO DIVERSITY.

The University is committed to creating an educational community that is intellectually, culturally and socially diverse, enriched by the contributions and full participation of persons from many different backgrounds. As part of that effort, two special commissions have been assembled to promote gender equity and racial diversity: The Commission on the Status of Women and the Commission to Promote Racial and Cultural Diversity. Composed of students, faculty, and professional and salaried staff, these commissions work to create a climate that encourages all members of the University community to respect and appreciate individual and cultural differences, to promote equity for people of different backgrounds in all areas of University life, and to enhance the curriculum by including the perspectives of different races, cultures and genders. The commissions, members of which are appointed by the President, also identify problem areas and make recommendations for positive changes. In addition, the University Council on Student Diversity and Success was created recently as part of a new initiative to enhance diversity among students and to support their academic success, intellectual, cultural, and ethical development as citizens, scholars, and professionals.

DIVERSE COLLEGES AND EXTENSIVE DEGREE PROGRAMS

Academic degree programs are administered by seven colleges at the University. Six of them (Agriculture and Natural Resources; Arts and Sciences; Business and Economics; Engineering; Health and Nursing Sciences; Human Services, Education and Public Policy) offer both undergraduate and graduate degrees. The remaining college, Marine Studies, offers graduate degrees only. A complete list of the University's extensive undergraduate and graduate degree programs is presented on pages vi-xi of this catalog.

Through the Associate in Arts Program, a special partnership between the University of Delaware and Delaware Technical &

Community College (DTCC), students can earn their Associate in Arts degree at UD academic centers on the campuses of DTCC in Wilmington, Dover and Georgetown. The Division of Professional and Continuing Studies extends the opportunities of the University to students throughout the state and beyond.

Since 1921, the University has been accredited by the Middle States Association of Colleges and Secondary Schools. Professional accreditation also is held in Accounting, Agricultural Engineering/Engineering Technology, Athletic Training, Business Administration, Chemistry, Clinical Psychology, Dietetics, Education, Engineering, Medical Technology, Music, Nursing, and Physical Therapy.

OUR ACADEMIC CALENDAR OFFERS FLEXIBLE SCHEDULING

The University of Delaware follows a semester plan. Fall semester usually begins in September and ends in mid-December. The spring semester begins in February and ends in late May. During winter and summer sessions (described below), students may participate in off-campus field experiences, special projects for credit and a number of non-credit activities—as well as regular academic courses. Classes are offered from 7:00 a.m. to 10:00 p.m. During preregistration, students may indicate preferred class times. For more information on fall and spring semesters, call the Registrar's Office at (302) 831-2131.

The Summer program begins in early June and features two consecutive five-week sessions, as well as some classes that meet for 7-1/2 weeks. Winter Session is held in January and early February.

During Winter and Summer sessions, students may earn up to seven credits to accelerate progress toward a degree, to focus on a single subject, or to synchronize their course schedule with the sequence of fall and spring course offerings.

Besides on-campus courses, the Winter and Summer sessions offer travel study programs both abroad and within the U.S. (Read more about Study Abroad Programs in the "Opportunities to Enrich Your Undergraduate Education" chapter.) Special Sessions also allow students to complete popular courses that may be in high demand during regular semesters. The Library, Student Centers, Housing and Dining Services, Carpenter Sports Building and other support services are active during special sessions. Cultural activities including films, concerts, bus excursions and lectures are also available.

Before the registration period for each special session, students receive booklets containing detailed information and course listings. Winter session booklets are available on the first day of Fall classes, and registration begins in mid October. Summer session registration typically begins in early April. For more information, call the Special Sessions Office, (302) 831-2853,

<http://www.udel.edu/fanjoy/special-sessn.html>

TEACHERS WHO TEACH

Among more than 1,000 faculty members at the University of Delaware, 85 percent hold the doctoral or terminal degree in their field. They hold office in national and international professional associations, they serve on scholarly editorial boards, including the board of the University of Delaware Press, and they are invited to lecture at institutions around the world. In any given year, faculty honors may include Beckman Foundation Young Investigator award, National Academy of Education Spencer Post doctoral fellowships, Guggenheim fellowships, Alexander von Humboldt-Stiftung and Bessel Research awards, Fulbright fellowships, National Science Foundation (NSF) Director's Award for Distinguished Teaching Scholars, Faculty Early Career Development Program Award, and other NSF awards, and election to the National Academy of Engineering (NAE) and the National Academy of Sciences.

Delaware faculty constantly strive to improve their performance as teaching scholars. The University's Center for Teaching Effectiveness encourages professional development by annually awarding grants to faculty members who propose innovative strategies, such as incorporating new multi-media teaching technologies and the use of new learning techniques.

STUDENTS ARE OUR FOCUS

Students are the focus of the University's academic programs. In fall 2003, 21,121 students were enrolled, including 16,428 undergraduate students, 3,301 graduate students, and 1,392 students in the Division of Professional and Continuing Studies. Of the undergraduate total, 620 were enrolled in the University's Parallel Program which will be replaced by the Associate in Arts degree program starting in fall 2004.

Entering 2003 freshmen typically ranked in the top quarter of their high-school graduating classes. Their average SAT verbal and mathematics scores were well above the national average for college-bound students.

Although Delaware class size can range from a minimum of one student (in independent study) to a large lecture class of 300, two-thirds of class sections have fewer than 30 students. Many members of the faculty, including distinguished professors, teach freshman-level courses, ensuring that students have early contact with eminent scholars. At the same time, the presence of able graduate students enhances undergraduate programs by providing educational models for students aspiring to advanced degrees.

OUR UNIQUE RESEARCH OPPORTUNITIES

While some institutions provide only limited research opportunities for undergraduates, a long-standing tradition at the University of Delaware encourages hands-on laboratory experience for students. Every year, an increasing number of undergraduates work with faculty researchers on independent-study and honors-degree projects, or as part of the Undergraduate Research Program. In 2003, for example, this program served about 600 undergraduates, who tackled projects ranging from human-computer interface design using multi-touch technology to mathematical modeling of blood clotting. (Be sure to read more about the Undergraduate Research Program in the "Opportunities to Enrich Your Undergraduate Education" chapter.)

Graduate students at Delaware make a major contribution to the University's objectives of creating, synthesizing, and disseminating knowledge. Through formal courses, seminars, independent studies, and research projects, students are introduced to existing knowledge in their fields and are provided with the principles and techniques for independent thinking and research. Some graduate students are supported under faculty research grants from outside agencies.

Campus-wide, the University conducts a wide variety of basic and applied research. Additionally, because the University cooperates with other research institutions, industry, major laboratories, and neighboring museums, students have access to an even wider range of advanced research facilities. Research funding is provided by federal grants, state and industrial contracts, foundation grants, University funds and other sources. The University of Delaware Research Foundation (UDRF), a nonprofit foundation chartered in 1955 to support University research, awards grants in science and engineering to young faculty investigating promising ideas.

THE UNIVERSITY OF DELAWARE PRESS, a nationally recognized scholarly press, publishes the work of authors in many fields, including that of faculty members at this University.

Read more about research opportunities in the chapter "Research Centers, Institutes, and Special Facilities."

COOPERATIVE PROGRAMS WITH OTHER INSTITUTIONS

ACADEMIC COMMON MARKET.

The University of Delaware participates in the Academic Common Market, an agreement among 15 member states of the Southern Regional Educational Board (SREB). The agreement enables students to pursue unique majors offered at publically-funded institutions in the SREB states while paying in-state tuition. For more information on program benefits and participating states and institutions, contact the Southern Regional Educational Board, 592 10th St. N.W., Atlanta, GA 30318-5790; Phone: 404-875-9211; Fax: 404-872-1477;

<http://www.sreb.org/>.

HENRY FRANCIS DU PONT WINTERTHUR MUSEUM, ELEUTHERIAN MILLS-HAGLEY MUSEUM AND LIBRARY, LONGWOOD GARDENS.

The College of Arts and Sciences cooperates with the Henry Francis du Pont Winterthur Museum and the Eleutherian Mills-Hagley Museum and Library in providing graduate study in art conservation, early American culture, and American economic, technological, and business history. In the College of Agriculture and Natural Resources, a program in ornamental horticulture was initiated in September 1967 in cooperation with Longwood Gardens.

Graduate students in the Early American Culture program work in the Henry Francis du Pont Winterthur Museum, which contains one of the largest collections of American art, including furniture, ceramics, textiles, folk art, silver, glass, and paintings. The Museum is open to Winterthur Fellows for museum training and to both fellows and staff for research.

ORAU.

Since 1980, students and faculty of the University of Delaware have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of 91 doctoral-granting members and 10 associate members located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members.

For more information about ORAU and its programs, please visit the ORAU Home Page at:

<http://www.orau.org/>.

SURA.

The University of Delaware is a member of Southeastern Universities Research Association (SURA), a consortium of over 60 universities across the U.S.. The organization's purpose is to serve as an entity through which colleges, universities, and other organizations may cooperate with one another and with government and other organizations in acquiring, developing, and using laboratories, machines, and other research facilities and in furthering knowledge in the physical, biological, and other natural sciences and engineering. Further information about SURA can be found on the World-Wide Web at:

<http://www.sura.org>.

KEEPING INFORMED AND INVOLVED

The Office of Alumni and University Relations conducts programs and activities for diverse constituencies, keeping our alumni connected to the rest of the University community. A number of major campus events, including Homecoming, Convocations and

Commencements, New Student Convocation, Honors Day and the University's Performing Arts Series, are presented by this office.

The office serves as the liaison to the more than 130,000 alumni worldwide and to the Alumni Association and its board of directors. Additional alumni services include organization of annual class and special interest reunion activities, recognition ceremonies for outstanding alumni achievements, and a national alumni club program.

The office also serves as liaison to the Parents Association and its board and presents the annual Freshman Parents Weekend, Parents and Families Weekend, and other parent programs.



RESEARCH CENTERS, INSTITUTES, AND SPECIAL FACILITIES

- **Agricultural Experiment Station**
- **Bartol Research Institute**
- **Center for Applied Coastal Research**
- **Center for Applied Demography and Survey Research (CADSR)**
- **Center for Applied Science and Engineering in Rehabilitation (ASEL)**
- **Center for Archaeological Research**
- **Center for Biomedical Engineering Research (CBER)**
- **Center for Catalytic Science and Technology**
- **Center for Climatic Research**
- **Center for Community Research & Service (CCRS)**
- **Center for Composite Materials (CCM)**
- **Center for Disabilities Studies (CDS)**
- **Center for Drug and Alcohol Studies (CDAS)**
- **Center for Energy and Environmental Policy (CEEP)**
- **Center for Historic Architecture and Design (CHAD)**
- **Center for International Studies (CFIS)**
- **Center for Material Culture Studies (CMCS)**
- **Center for Molecular and Engineering Thermodynamics (CMET)**
- **Center for Remote Sensing**
- **Center for Teaching Effectiveness (CTE)**
- **Cooperative Extension System**
- **Delaware Biotechnology Institute (DBI)**
- **Delaware Center for Teacher Education (DCTE)**
- **Delaware Center for Transportation (DCT)**
- **Delaware Education Research and Development Center**
- **Delaware Geological Survey**
- **Delaware Small Business Development Center Network**
- **Delaware Water Resources Center**
- **Disaster Research Center (DRC)**
- **Early Learning Center**
- **English Language Institute (ELI)**
- **Gerard J. Mangone Center For Marine Policy**
- **History Media Center**
- **Institute for Public Administration (IPA)**
- **Institute for Transforming Undergraduate Education (ITUE)**
- **Institute of Energy Conversion (IEC)**
- **Institute of Soil and Environmental Quality (ISEQ)**
- **John L. Weinberg Center for Corporate Governance**
- **Mathematics & Science Education Resource Center (MSERC)**
- **Office of Educational Technology (OET)**
- **University of Delaware Press**

The University maintains a number of research centers and institutes that focus on a variety of subjects relevant to advanced scholarly investigation of special interest to the faculty and the public. The research and activities of these special units greatly enhance the undergraduate and graduate program offerings at the University.

The University also hosts scholarly and professional organizations such as the American Philosophical Association, the Mid-Atlantic Association of Museums, and the Urban Affairs Association.

AGRICULTURAL EXPERIMENT STATION

The Experiment Station serves as the research arm for the College of Agriculture and Natural Resources, conducting research, fundamental and applied, in many phases of agriculture, rural life, natural resources, and agricultural biotechnology. By performing this

function, it not only contributes to increased and efficient production and to improved marketing of agricultural products, but it serves to stabilize production by developing practices and techniques designed to protect crops and livestock against diseases, pests, and certain physical forces of nature. A majority of the professors in the College of Agriculture and Natural Resources have appointments in the Experiment Station.

Students find many opportunities to work with these professors in independent study projects that introduce them to biological, economic, and engineering technology research in the agricultural and related disciplines.

BARTOL RESEARCH INSTITUTE

The Bartol Research Institute, a unit in the College of Arts and Sciences is housed in the H. Rodney Sharp Laboratory, along with the Department of Physics and Astronomy. The primary function of

the Institute is to carry out forefront scientific research, with a primary focus in physics, astronomy and space sciences. It also participates fully in the University's joint graduate program in Physics and Astronomy.

Research areas in which Bartol is especially active include cosmic rays, the interplanetary medium, planetary magnetic fields, condensed matter physics, stellar physics, nuclear theory, elementary particle theory, particle astrophysics and cosmology. In addition to its laboratories on the Newark campus of the University, Bartol operates experimental facilities in Antarctica, Greenland and northern Canada.

Bartol also administers the NASA Space Grant College Program, a consortium of ten institutions of higher learning in the region. Detailed information on Bartol's various research programs as well as undergraduate and graduate research opportunities can be found at the Institute's web site:

www.bartol.udel.edu.

CENTER FOR APPLIED COASTAL RESEARCH

Established in 1989 within the Department of Civil and Environmental Engineering, the Center for Applied Coastal Research offers one of the nation's foremost graduate programs in coastal and ocean engineering, leading to both master's and doctorate degrees. To achieve its mission to maintain an intercollege national center for research in coastal and nearshore problems, the center provides state-of-the-art research equipment and prompt technology transfer of knowledge to industry and government. Center participants provide a wide range of expertise and include members of the Civil and Environmental Engineering faculty, as well as individuals from the Physical Ocean Science and Engineering Program, College of Marine Studies.

For more information, please see www.coastal.udel.edu.

CENTER FOR APPLIED DEMOGRAPHY AND SURVEY RESEARCH (CADSR)

The Center for Applied Demography and Survey Research (CADSR), part of the College of Human Services, Education, and Public Policy, functions in three basic ways:

- as a subcontractor to University faculty and professional staff members who hold research contracts;
- as a prime contractor to other units of the University, to federal, state, and local government agencies, and to private firms;
- as an archive of numerous local and national data bases.

CADSR's substantive areas of expertise include demography, health, transportation, economic impact, and geographic information systems.

CADSR is organized to provide the following types of services: (1) sample and questionnaire design, (2) data collection and survey management, (3) coding, editing, and data entry, (4) CATI and web surveys and, (5) archive and dissemination. Together these services form a complete package that can be offered in part or as a whole to the client. For more information, please see www.cadsr.udel.edu.

CENTER FOR APPLIED SCIENCE AND ENGINEERING IN REHABILITATION (ASEL)

The Center for Applied Science and Engineering in Rehabilitation is an internationally recognized interdisciplinary center comprising laboratories devoted to activities linking science, technology, and disability. The center conducts basic and applied research leading to the development of technologies for people with disabilities, evaluates the effectiveness of tools and techniques in

increasing functional abilities, fosters innovation in effective use of and promotes access to technology applications for persons with disabilities, and disseminates outcomes stemming from center activities. Current research projects investigate: 1) new communication devices that employ artificial intelligence and natural language processing; 2) alternative representations of language (e.g., graphics and animation); 3) new speech interfaces for communication; 4) computer tutoring systems for speech and writing; 5) biomechanical devices for restoring/augmenting motor function. The Center also houses the Delaware Assistive Technology Initiative (DATI), which addresses the availability and effective use of assistive technologies. DATI projects include the operation of Assistive Technology Resource Centers in each of Delaware's counties, policy initiatives aimed at improving access to and funding for devices and services, and training and technical assistance efforts promoting technology use at home, in school, at work, and in the community. Outcomes of Center activities are disseminated through publications, a website, meetings, and targeted technical assistance at the local, state, national, and international levels.

For more information, please see www.asel.udel.edu.

CENTER FOR ARCHAEOLOGICAL RESEARCH

The Center for Archaeological Research is part of the Department of Anthropology in the College of Arts and Sciences. With its focus on the prehistoric and historic archaeology of the Middle Atlantic states of Delaware, Maryland, Virginia, Pennsylvania, and New Jersey, the center provides opportunities for undergraduate and graduate students to participate in archaeological fieldwork and laboratory analysis through field schools and sponsored research programs. Research activities of the center have been sponsored by a number of state and federal agencies. Current sites under study range from a 10,000-year-old Paleo-Indian hunting camp in Southern Delaware to a 3,000-year-old Woodland period hamlet in central Delaware, to a mid-17th century plantation on the Eastern Shore of Maryland, to mid-19th century tenant farms in Northern Delaware. Opportunities for multi-disciplinary research are available and include applications of remote sensing in archaeology (Center for Remote Sensing) and paleoenvironmental studies (Department of Geology).

For more information, please e-mail jcuster@udel.edu.

CENTER FOR BIOMEDICAL ENGINEERING RESEARCH (CBER)

The Center for Biomedical Engineering Research is an interdisciplinary center whose mission is to provide engineering science and clinical technology to reduce the impact of disease on the everyday life of individuals. It was created to provide an appropriate forum and infrastructure to promote the interaction of researchers from the university and the medical community. As such, it serves as a research umbrella under which researchers from a variety of fields can work together and interact. CBER builds on a history of interaction between, the Department of Mechanical Engineering, the Department of Physical Therapy, the Department of Health and Exercise Science and several local clinical facilities such as the A.I. duPont Institute. Through the Department of Mechanical Engineering, CBER researchers have access to an array of computer hardware and software, a variety of mechanical testing equipment, a complete machine shop, as well as biomechanics laboratories for tissue engineering, motion analysis, electromyography. The Sports Science Laboratory in the Department of Health and Exercise Science houses a state-of-the-art motion analysis facility complete with 6 high-speed cameras, 2 multi-axis force plates, an EMG telemetry unit, and a variety of computer and ancillary equipment. The Motion Analysis Laboratory in the Physical Therapy Department

is similarly equipped with a VICON-based system. The laboratory can be configured to study almost any type of motion. The A.I. duPont Institute is a modern children's hospital that has extensive clinical and diagnostic facilities. Presently, a number of research topics are being addressed. Several examples are: a study of knee ligament injuries, design and control of robotic manipulators for the disabled, position and force measurements during athletic activities, characterization of neuromuscular mechanisms for knee-joint stability, evaluating the effects of surgery on gait, testing of surgical and protective devices, modeling the fatigue properties of skeletal muscle, and design of an advanced composite hip replacement.

For more information, please see www.cber.udel.edu.

CENTER FOR CATALYTIC SCIENCE AND TECHNOLOGY

The center educates graduate and undergraduate students in catalytic science and engineering in a laboratory that includes postdoctoral fellows and visiting scholars from industry and other universities. Center research involves reaction engineering, surface science, materials preparation, modeling, and surface characterization. Other work is directed toward disseminating knowledge of state-of-the-art catalysis research through preparation of short courses, textbooks, research publications, software, special seminars, and presentations at technical meetings. Students under center auspices may complete research required for the master's or Ph.D. degree in chemical engineering, in chemistry, or Materials Science and Engineering.

For more information, please see www.che.udel.edu/ccst.

CENTER FOR CLIMATIC RESEARCH

Established in 1978, the University-wide Center for Climatic Research is an interdisciplinary center dedicated to bringing together scientists from around the University with interests in both basic and applied climatology in collaborative research. The Center emphasizes the University's commitment to developing meaningful research in climatology and serves as an organization to attract external funding. At present, eight faculty, five research scientists, and approximately twenty-five graduate students are affiliated with the Center, which is housed entirely within the Department of Geography. Within the Center is an international center, sponsored by the World Meteorological Organization, dealing with issues on health and climate issues, the Office of the Delaware State Climatologist, and the Delaware Environmental Observing System. NASA, NOAA, NSF, NIGEC, and numerous state agencies and local municipalities have funded research within the Center. Current research emphases include studies on real-time monitoring and historical reconstruction of hydrometeorological conditions, Antarctic sea-ice, development of heat-related health indices, influences on Arctic permafrost, studies of global climatic changes, the impact of the land surface on climate, relationships between snow cover and weather patterns, the hydroclimatology of South America, and glacier energy and mass budgets.

For more information, please see:
www.udel.edu/Geography/CCR.

CENTER FOR COMMUNITY RESEARCH & SERVICE (CCRS)

The Center for Community Research & Service (CCRS), part of the College of Human Services, Education and Public Policy, provides education, usable knowledge, training, and services to help organizations and communities promote social and economic justice. CCRS is an integral part of the education of undergraduate and graduate students in the College, especially the students in the School

of Urban Affairs and Public Policy. Students assigned to the Center work directly with faculty and staff in conducting research and providing training and services.

CCRS conducts applied research and evaluation projects in a range of areas, including local and community-based development, housing and homelessness, poverty and hunger, crime and family violence, urban and neighborhood planning and governance, media and communities, family/community relationships, management of and leadership in nonprofit organizations, organizational strategic planning and analysis, and the design, implementation and evaluation of social service programs. Students may also be involved in CCRS training courses, including the Community Development certificate course and the Brownfields Redevelopment & Environmental Justice certificate course offered through the Community Development Training program, and the Nonprofit Management Certificate course and other workshops and seminars for nonprofit managers offered by the Nonprofit Capacity-Building program. Students can also be involved in CCRS technical assistance and other services. Some of the Center's major service programs are the Nonprofit Community Resource Center, KIDS COUNT/FAMILIES COUNT in Delaware, Public Allies, and the PACT Family Support Network. For more information, please see www.udel.edu/ccrs.

CENTER FOR COMPOSITE MATERIALS (CCM)

Founded in 1974, the UD Center for Composite Materials (UD-CCM) is an internationally recognized, interdisciplinary center of excellence with a three-fold mission.

EDUCATE SCIENTISTS AND ENGINEERS.

More than 60 graduate and undergraduate students and more than 175 researchers and staff members working at UD-CCM are currently affiliated with the College of Engineering and the Lerner College of Business and Economics, as well as the Departments of Physics and Astronomy, and Chemistry and Biochemistry in the College of Arts and Sciences. Students at all levels are active participants in UD-CCM's interdisciplinary research teams. Students have the opportunity to interact with visiting students, faculty, and researchers from industry, government agencies, and universities throughout the world. In addition to a solid grounding in the fundamentals, students are exposed to practical insights into real-world engineering problems. Both graduate and undergraduate students gain valuable experience in documenting their work in conference proceedings, journals, and even patents.

UD-CCM has a unique collaboration with the University's Undergraduate Research Program that promotes cross-disciplinary education. Students may participate through the University's Science and Engineering Scholars Program, CCM's summer internship programs, CCM Senior Research Fellowships, or employment as an Undergraduate Research Assistant during the academic year. More than 1,600 alumni have been associated with UD-CCM and many are now teaching at more than 30 universities worldwide.

While UD-CCM plays an active role in education, degrees are earned through the academic programs of the various affiliated colleges, not through UD-CCM. Students should consult the departments in which they are interested for information on degree programs and application requirements.

CONDUCT BASIC AND APPLIED RESEARCH.

Since 1986, UD-CCM has been host to six National Science Foundation/Department of Defense Centers of Excellence. Two Army Research Laboratory programs and an Office of Naval Research program are currently active Centers of Excellence. Supporters include a variety of national and international companies, federal agencies, and the State of Delaware.

In addition to its traditional core competencies in materials and synthesis, mechanics and design, processing science, and durability, UD-CCM's current emphasis is on new research into multifunctional composite materials that provide superior mechanical properties, energy absorption, fire resistance, electro-optical properties for communications, health monitoring, prognostics and bio-inspired self-repair.

CCM's 34,000-square-foot Composites Manufacturing Science Laboratory houses state-of-the-art laboratories for polymer synthesis, chemical and thermal analysis, materials characterization from nano-scale to full-scale composite structures, processing, nondestructive inspection, and computational facilities. The lab provides opportunities for interdisciplinary research teams to create workcells that combine simulations, sensors and controls of existing processes as well as the creation of new ones.

DEVELOP AND TRANSITION TECHNOLOGY TO THE COMPOSITES COMMUNITY.

UD-CCM's Industrial Consortium, long a unique UD - CCM hallmark, is a group of some 42 companies supporting UD-CCM's effort in transferring composites science and technology to the private and public sectors. Small, medium and large companies benefit by new ideas and new technologies. These same companies seek to employ the next-generation of engineering graduates.

To arrange an interview or request a copy of the CCM annual report, which includes history, additional program information, a list of laboratory resources, and posters of more than 90 ongoing projects, please visit CCM on campus at the corner of Delaware and Academy Streets, refer to:

www.ccm.udel.edu, email CCM at info@ccm.udel.edu, or contact CCM at (302) 831-8149.

CENTER FOR DISABILITIES STUDIES (CDS)

The Center for Disabilities Studies (CDS), part of the College of Human Services, Education and Public Policy, focuses on improving the quality, quantity, and range of public and private services and supports available in Delaware for individuals with disabilities and their families. Through research, training, advocacy, and service activities, CDS increases the capacity of individuals, agencies, and organizations to provide quality services; promotes systemic improvements in policy and service delivery; and builds collaborative relationships with other organizations that enable people with disabilities to achieve their personal goals of greater independence, productivity and participation in their communities.

Working with faculty from many disciplines, CDS supports an 18-credit undergraduate minor in disabilities studies and a graduate level certificate course offered during the summer. CDS also offers opportunities for both undergraduate and graduate students to work with faculty and staff on service and research projects. For more information, please see www.udel.edu/cds.

CENTER FOR DRUG AND ALCOHOL STUDIES (CDAS)

The Center for Drug and Alcohol Studies (CDAS) was established at the University of Delaware in 1991 to facilitate collaborative research and publishing among social and behavioral science faculty, professional staff, and students in the field of substance abuse. Administered by the University's Department of Sociology and Criminal Justice, the center is funded primarily through sponsored research grants and contracts.

The principal mission of CDAS is the production, dissemination, and utilization of scientific knowledge in two broad areas:

- the etiology, patterns and consequences, and prevention and treatment of drug and alcohol abuse; and,

- the epidemiology of HIV/AIDS and other sexually transmitted diseases, and the prevention of HIV disease among high-risk populations.

Other CDAS objectives include:

- training graduate and undergraduate students in substance abuse research and associated quantitative and qualitative methods;
- serving as a substance abuse research information repository for students and colleagues seeking statistical and ethnographic data for secondary analysis;
- providing technical assistance to colleagues and local agency personnel seeking federal grant support for prevention and treatment programs;
- sponsoring lecture and colloquia series, workshops, and conferences for members of the University community, the substance abuse and AIDS fields, and the public at large.

In fall 2002, CDAS became one of eight research centers nationally that will be leading research on treating substance abusers within the criminal justice system. Other ongoing studies include youth substance abuse in Delaware and the nation, studies of drug court and parole clients, and long term panel studies of treatment clients. Locally, CDAS has offices in Newark and Wilmington. CDAS also has major AIDS prevention initiatives in Florida, Latin America, and the Caribbean. With two offices in the Miami area and a new center opening this year in Porto Alegre, Brazil, the focus of these initiatives is the development and evaluation of culturally specific HIV prevention programs for hard-to-reach and under-served populations.

CENTER FOR ENERGY AND ENVIRONMENTAL POLICY (CEEP)

The Center for Energy and Environmental Policy (CEEP), part of the College of Human Services, Education and Public Policy (CHEP), conducts interdisciplinary research and supports graduate study on the interlocking issues of energy, environment and development. Work in CEEP is guided by theories of political economy and technology, environment and society. Research programs currently organized in CEEP include sustainable development, environmental justice, global environmental change, energy efficiency and renewable energy applications, water conservation and management, and comparative energy and environmental policy.

With the support of CHEP and the Colleges of Agriculture and Natural Resources, Arts and Sciences, Engineering and Marine Studies, CEEP administers the interdisciplinary graduate program in Energy and Environmental Policy (ENEP). This unique program offers Master's and Ph.D. degrees that combine study in the social sciences, engineering and the natural sciences to address core problems in energy-environment-society relations.

CEEP is composed of an internationally diverse faculty, professional staff, and graduate student body with backgrounds in a variety of disciplines including political science, economics, geography, philosophy, environmental studies, and engineering. In conjunction with its research program, Center faculty work closely with graduate students, supervising internships, theses, and dissertations. Graduate areas of specialization in technology, environment and society, and energy and environmental policy are supported at the master's and doctoral levels.

CEEP faculty and staff have editorial responsibility for an annual book series entitled Energy and Environmental Policy, are contributing authors to the UN-sponsored Intergovernmental Panel on Climate Change, and serve as advisors to such organizations as the Chinese State Environmental Protection Agency, the Korea Federation of Environmental movements, the India Renewable Energy Development Agency, and the U.S. National Renewable

Energy Laboratory. CEEP also provides technical assistance to international, federal, state and local institutions. CEEP has research and exchange agreements with European, Latin American, African, and Asian universities and research institutes.

For more information, please see www.udel.edu/ceep

CENTER FOR HISTORIC ARCHITECTURE AND DESIGN (CHAD)

The Center for Historic Architecture and Design (CHAD), part of the College of Human Services, Education, and Public Policy, addresses issues related to historic preservation through an integrated, interdisciplinary program of research and public service focusing on historic architecture and landscapes; design issues of the built environment and material culture; documentation of historic properties and computer applications to documentation; research on the physical properties of cultural and historic materials; historic preservation planning and policy at national, state, and local levels; and advocacy for historic resources. CHAD supports graduate study in historic preservation at both the master's and doctoral levels through the School of Urban Affairs and Public Policy and in conjunction with other co-sponsoring departments and programs. CHAD is affiliated with the Laboratory for the Analysis of Cultural and Historic Materials and is a co-sponsor of the Historic Costume Collection managed by the Department of Consumer Studies.

CHAD also maintains an extensive collection of research and documentary materials for more than 1,000 historic sites and structures in the Mid-Atlantic region. The collection includes measured drawings, photographs, and narrative histories, as well as resources for buildings research and a study collection of architectural materials. The collection is open for research and reference to students, the preservation community, and the general public.

With its administrative home in the College of Human Service, Education and Public Policy (CHEP), CHAD is academically affiliated with the School of Urban Affairs and Public Policy, and co-sponsored by the departments of Consumer Studies, Art Conservation, Art History, Geography, and History as well as the Program in Museum Studies and the Winterthur Program in Early American Studies in the College of Arts and Sciences. CHAD is a founding member of the Center for Material Culture Studies which promotes the dynamic collaboration of individuals, programs, and departments engaged in the documentation, interpretation, and preservation of the objects and images that have shaped American life.

CENTER FOR INTERNATIONAL STUDIES (CFIS)

The Center for International Studies is the principal administrative unit dedicated to the internationalization of all elements of the University of Delaware community. It promotes and supports faculty and staff involvement in international teaching, research, service, grant development, and other professional activities. It promotes and supports student involvement in international issues by developing and managing university study abroad programs, sponsoring numerous speakers and lectures on international issues and themes, providing support for international undergraduate research, and working with academic units to further international education on campus. The Center also provides all colleges and departments with direct support in the development of institutional agreements to help develop international linkages and collaborative activities. It seeks to advance a broad international agenda in all aspects of university life, exemplified by the University's America and the Global Community initiative. Some of the Center's ongoing activities include:

- 65 study abroad programs to over 30 countries annually, with 1000+ UD students participating
- Undergraduate and graduate exchange programs with numerous institutions overseas
- The International Travel Award program (supporting faculty travel to international conferences)
- The International Research Award program (supporting faculty research of an international nature)
- The America and the Global Community speakers series
- Managing ongoing grants from the U.S. Agency for International Development and other funding agencies for development projects
- Conducting ongoing research regarding the status and scope of international activities at the University of Delaware
- Working with academic departments and colleges to increase the number of curricular offerings with international content and to expand and improve existing area studies programs.

As a service to the State of Delaware and the local community, the Center also works closely with numerous local public and civic organizations, as well as the private sector, to help nurture a community of citizens that is aware of, and responsive to, the opportunities and challenges of today's interdependent world.

For more information, please contact Dr. Lesa Griffiths, Director, CFIS, at (302) 831-2852, or visit the CFIS website at: www.udel.edu/international.

CENTER FOR MATERIAL CULTURE STUDIES (CMCS)

The Center for Material Culture Studies (CAMCS) builds on the University of Delaware's distinguished international reputation in the interdisciplinary study of American material and visual culture. The Center for Material Culture Studies promotes learning from and teaching about all the objects and images people make and the ways people act upon the physical and visible world. Through the Center, students and teachers examine material objects as living artifacts, as texts and contexts, to better imagine, interpret, and appreciate the world we inhabit; experience American material and visual culture in a dynamic learning, teaching, research, and public service environment; participate in seminars, field-based research ventures with institutional partners and state, regional, and national organizations; and contribute to the national effort in documentation, interpretation, preservation, and teaching of American material and visual culture. The Center coordinates an interdisciplinary minor and internships for undergraduates, sponsors an annual interdisciplinary graduate student symposium, provides competitive graduate student research assistantships, oversees the Regional Center for the Quilt in partnership with The Alliance for American Quilts, and delivers signature courses in material culture, design history, and visual culture. The Center's programs engage its University partners ranging from the humanities to the performing and studio arts as well as the larger public and scholarly community.

CENTER FOR MOLECULAR AND ENGINEERING THERMODYNAMICS (CMET)

Thermodynamics is at the very center of chemical engineering practice. The Center for Molecular and Engineering Thermodynamics, CMET, a research unit within the Department of Chemical Engineering with Center faculty and students also in the physics, chemistry and biochemistry departments, serves as a focal point stimulating collaborative experimental and theoretical research and encouraging the development of new educational materials, textbooks, monographs, and regular and short courses, in all areas of thermodynamics, and also maintains state-of-the-art thermodynamics laboratories.

Research at the Center is conducted by the faculty, their undergraduate and graduate students, postdoctoral fellows, visiting scientists, and research professionals. Students are deeply involved in the Center research, which is being carried out with the support of industrial and governmental grants and contracts. Current projects involve studies of applied and statistical thermodynamics, quantum and computational chemistry including the use of supercomputers and clusters of parallel computers, the measurement of vapor-liquid equilibrium, environmental thermodynamics, the thermodynamic properties of polymeric materials and proteins, structure and phase behavior of complex fluids, surfactants and colloid science, transport phenomena, high-temperature aqueous solutions, and thermodynamic properties of biological compounds. Of special interest are applications to the purification of pharmaceuticals and other biological materials. New initiatives of the Center include developing methods for the characterization and crystallization of proteins, and the use of nanoporous materials for the purification of gases.

The Center's laboratory facilities provide students access to and training in the operation of modern equipment including supercomputers, surface forces apparatus, laser light, x-ray and neutron scattering, various spectroscopic techniques, and a wide variety of equipment for the measurement of phase equilibria and physical properties.

Other activities of the Center include specialized short courses and cooperative research projects with scientists and engineers in industry and government laboratories.

Through their involvement in research for their thesis projects, graduate students associated with the Center for Molecular and Engineering Thermodynamics earn either a Master's or Ph.D. degree in chemical engineering, chemistry or physics.

For more information, please see www.che.udel.edu/cmet.

CENTER FOR REMOTE SENSING

The Center for Remote Sensing serves as a focal point for basic and applied research on remote sensing of the physical and biological properties of the oceans and the coastal zone. The Center specializes in interdisciplinary research and training, with emphasis on coastal processes, marine resources, and ocean-atmosphere coupling. Ships, aircraft, and satellites equipped with multispectral, infrared, and microwave sensors are used for gathering data. Advanced computer systems are employed to analyze and enhance the satellite imagery. In addition to course work, graduate students write theses or dissertations on satellite oceanography, global climate change, local impact of sea-level rise, optical physics of coastal waters, wetland productivity and health, pollutant drift and dispersion, and application of remote sensing and GIS to coastal resource management. This research is supported by federal and state agencies as well as commercial firms and private foundations. The Center has conducted coastal and ocean studies in various parts of the world and has provided training to more than 300 scientists and students from the U.S. and 23 foreign countries. For more details, call Dr. Vic Klemas, Co-Director, Center for Remote Sensing, at (302) 831-8256 or Dr. X.H. Yan, Co-Director, at (302) 831-3694.

CENTER FOR TEACHING EFFECTIVENESS (CTE)

The Center for Teaching Effectiveness (CTE) promotes the enhancement of learning and teaching at the University. CTE is a University-wide unit that supports faculty, administrators, and staff in their instructional activities including the General Education Initiative. Specifically, the Center provides instructional services to help all members of UD's teaching community in the ongoing improvement of the teaching and learning process. The Center's services reflect the multiple ways in which teaching and learning can

be enhanced. They include instructional consultations, classroom observations, assistance in developing measures for assessment of instructional and curricular innovation, and support for the implementation of instructional projects. CTE also organizes an annual conference for first-time graduate teaching assistants (TAs), coordinates teaching conferences, workshops and colloquia; publishes and disseminates materials on instructional practices and improvement; serves as a liaison with University committees, task forces, and units involved in instructional support; and administers an annual grant program for instructional improvement.

CTE is part of the Office of Undergraduate Studies and is housed in Gore Hall. CTE staff are involved in presenting and publishing research in their academic fields. They also serve on committees and task forces both in their professional organizations and at UD. For further information, refer to www.udel.edu/cte.

COOPERATIVE EXTENSION SYSTEM

The Delaware Cooperative Extension System is part of a nationwide system whose mission is to enable people to improve their lives and communities by developing learning partnerships that put knowledge to work. It serves as an educational resource to the people of Delaware for extending research results and advances in technology and is administered through the College of Agriculture and Natural Resources.

A major thrust of the Cooperative Extension system is to target programs to address critical issues. The accelerating expansion of technology, the deteriorating economic situation in portions of the agricultural sector, and the dynamic social conditions faced by many Americans, rural and metropolitan, require Extension to reassess priorities and continuously adapt programs and activities to meet needs.

Undergraduate students have opportunities to work with Extension to gain practical experience in dealing with the public and in providing information to the public on a wide variety of agriculturally related topics. For more information, please go to <http://ag.udel.edu/extension>.

DELAWARE BIOTECHNOLOGY INSTITUTE (DBI)

The Delaware Biotechnology Institute is a multidisciplinary academic unit of the University supporting a statewide partnership of higher education, government, industry and the medical community devoted to the discovery and application of new interdisciplinary knowledge in the life sciences and biotechnology.

The Institute supports outstanding researchers in biology, biochemistry, chemical engineering, chemistry, computer science, and materials science to explore questions in science with applications in agriculture, human health, marine ecosystems and biomaterial systems.

In education, the Institute helps provide graduate and undergraduate students with critical experience and access to high-quality, professionally-managed research instrumentation. The Institute also collaborates in developing interdisciplinary life science education programs at the graduate and undergraduate levels.

DBI serves as a bridge linking academia and the public and private sectors to facilitate industrial internships for students, and to attract and support new life science businesses as a source of high-quality jobs for Delaware. For more information, please go to www.dbi.udel.edu.

DELAWARE CENTER FOR TEACHER EDUCATION (DCTE)

The Delaware Center for Teacher Education (DCTE), part of the College of Human Services, Education and Public Policy, strengthens both pre-service and in-service teacher education, improves access for the education community to the University's teacher education and professional development programs, and supports the state's efforts to enhance teachers' professional development in line with state content standards and accountability requirements. In addition to administering the Alternative Routes to Teacher Certification program, the Americorps VISTA program, the America Reads program, the GEAR-UP Project and providing staff support for the Delaware Mentoring Council, DCTE includes the following units, described in the chapter on Undergraduate Programs in the College of Human Services, Education and Public Policy: the Education Resource Center; the Office of Clinical Studies; and the Office of School to Work. Four professional development projects are housed in DCTE: the Delaware Writing Project, the Delaware Reading Project, the Teaching American History and the Delaware Social Studies Education Project. For further information about DCTE, call (302) 831-3000 or visit the web site at www.udel.edu/dcte.

DELAWARE CENTER FOR TRANSPORTATION (DCT)

The Delaware Center for Transportation (DCT), part of the Department of Civil and Environmental Engineering, is a joint venture between the University of Delaware and the Delaware Department of Transportation (DelDOT) that provides a university-wide multidisciplinary program of transportation-related research and educational and instructional activities. DCT identifies research opportunities with DelDOT and others. The mission of DCT is to improve the movement of people, goods and ideas within, to, and through the State of Delaware, the mid-Atlantic region, the nation, and the world through research, development, and education.

DELAWARE EDUCATION RESEARCH & DEVELOPMENT CENTER

The Delaware Education Research & Development Center, part of the College of Human Services, Education and Public Policy, provides research services and support to assist educators in policy analysis and program evaluation. The R&D Center's primary mission is to inform thinking and action in Delaware education through conduct and dissemination of both local and national educational research. To this end, the R&D Center provides information about the condition of educational systems in the state as well as provides research support to further educational reform in Delaware. For further information, e-mail ud-rcd@udel.edu, call (302) 831-4433 or see www.rdc.udel.edu

DELAWARE GEOLOGICAL SURVEY

The Delaware Geological Survey was established by an Act of the General Assembly in 1951 and is organized as a unit of the University. This arrangement reflects both the research orientation of the Survey and the need for practical applications of geology throughout the state. The Survey is charged with the systematic investigation of the geology, mineral, and water resources of Delaware and with the advisement of state and local agencies, municipalities, industries, and individuals concerning these matters. In fulfillment of this charge it conducts a program of geologic research, exploration, and service. The Survey's staff, under the direction of the State Geologist, is appointed by the University.

Survey programs are coordinated with a number of state agencies, and the Survey serves, by statute, as the state's cooperator

with such federal units as the U.S. Geological Survey, Minerals Management Service, and the Delaware River Master. Liaison and counsel are provided to other appropriate governmental and technical units through various appointments held by the State Geologist and other members of the scientific staff. The new Delaware Geological Survey Building was completed in 1989. Because of its proximity to Penny Hall and the Department of Geology, students may benefit from association with Survey geologists and their research projects. The Survey has formal internship programs in geology and hydrology with the Department of Geology and the Water Resources Center that provides opportunities for students to conduct research and obtain practical experience while working with Survey Scientists. In addition, some of the geologists participate in teaching programs and may serve on graduate student committees.

The research results of the Delaware Geological Survey are published as Bulletins, Reports of Investigations, Geologic and Hydrologic Maps, Atlas and Miscellaneous Map Series, Special Publications, Open File Reports, Digital Data Products, and journal articles. Well records, sample library, and other data collections are additional resources available to the scientific community and the general public at the Delaware Geological Survey Building. Many publications are available on the web. For further information, contact the Survey or the DGS Earth Science Information Center at (302) 831-2833, by E-mail at: delgeosurvey@udel.edu, or on the web at www.udel.edu/dgs.

DELAWARE SMALL BUSINESS DEVELOPMENT CENTER NETWORK

The Delaware Small Business Development Center (DSBDC) Network is a statewide small business assistance agency headquartered at the University of Delaware in the Alfred Lerner College of Business and Economics. The DSBDC is the primary small business assistance agency for the state of Delaware. The mission of DSBDC is to strengthen Delaware's economic base by providing quality support services, such as free one-on-one confidential business advice, training and educational programs, information and research. Additionally, DSBDC offers specialized assistance in helping businesses sell their goods and services to federal, state, and local governments, as well as funding and management assistance for technology-based businesses, and programs tailored to meet the needs of family-owned small businesses.

The Small Business Act of 1980 authorized the creation of an SBDC program in every state and territory of the US, and the DSBDC is part of a national network of over 1,200 centers. In Delaware, there are service centers conveniently located in each of the three counties. The program is a partnership with the University of Delaware's Alfred Lerner College of Business and Economics, the U.S. Small Business Administration, and the Delaware Economic Development Office. For further information visit:

www.delawaresbdc.org or call 302-831-1555.

DELAWARE WATER RESOURCES CENTER

The federally created Water Resources Center supports statewide research on the water-related problems of Delaware. Faculty in agriculture, engineering, marine studies, and the physical and social sciences conduct research on water supply, water quality control and management, and water resources planning. Grants are awarded to faculty on a competitive basis each year to support undergraduate internships and graduate student fellowships. A national competitive grants research program is also available. For more information, please see <http://ag.udel.edu/dwrc> or contact the director of the Water Resources Center, Dr. Tom Sims, jtsims@udel.edu.

DISASTER RESEARCH CENTER (DRC)

The Disaster Research Center (DRC), the first center of its kind in the world, was established at Ohio State University in 1963 and relocated to the University of Delaware in 1985. DRC engages in sociological research on individual, community, and organizational preparation for, response to, and recovery from natural, technological, and human-induced disasters. Since its inception, DRC teams, mostly made up of graduate students supported by the Center, have undertaken more than 600 different field studies, including a number outside the United States. In addition to graduate research assistantships, DRC also provides hands-on research training for undergraduates and supports postdoctoral scholars seeking advanced social science training in the field of hazards and disasters. Current funding is provided by the National Science Foundation, the Federal Emergency Management Agency, the Multidisciplinary Center for Earthquake Engineering Research, and the Public Entity Risk Institute. The resource collection of the center, numbering over 50,000 items, is the world's most complete collection on the social and behavioral aspects of disasters. More information about DRC, including its list of available publications, can be obtained by consulting the DRC web site at www.udel.edu/DRC.

EARLY LEARNING CENTER

The Early Learning Center is a joint project of the College of Human Services, Education and Public Policy (CHEP) and the College of Arts and Sciences that opened in June 2004. A state-of-the-art comprehensive early care and education facility, the Early Learning Center will offer quality child care and other services for families, including intervention services; technical assistance and training for community family-service providers, including those working in child care; a laboratory for faculty and student researchers from several UD colleges; and a hands-on learning site for graduate and undergraduate students from across the campus. For more information, please see www.udel.edu/elc.

ENGLISH LANGUAGE INSTITUTE (ELI)

The University of Delaware English Language Institute (ELI) is an academic unit of the College of Human Services, Education and Public Policy. The ELI provides English instruction to international students and business professionals who wish to improve their language skills for university study or for career enrichment. The ELI's intensive daytime program includes four tracks of study: business, academic, cultural, and general English classes. ELI services include university and college placement, housing, host family programs, language partners, and cultural activities.

Special offerings include a law program, a Pre-MBA program, an executive English program, and an EFL teacher training program. The Institute also provides individual tutoring, computer assisted learning, a testing preparation course focusing on skills and strategies for language proficiency sections of such tests as the TOEFL and the GMAT, and community evening classes. The ELI manages the ITA program, which provides testing and training for the University of Delaware International Teaching Assistants. The ELI administers the University's Master's Degree program in Teaching English as a Second Language. Graduate students in the program include both Americans seeking certification in Delaware and international students planning to return home to teach.

The ELI intensive language program is fully accredited by the Commission on English Program Accreditation, and is ranked among the top English as a Second Language (ESL) programs in the United States.

For more information, please see www.udel.edu/eli.

GERARD J. MANGONE CENTER FOR MARINE POLICY

Since 1973, the Center for the Study of Marine Policy (CSMP) has conducted research on a wide range of marine and environmental policy subjects at international, national, regional, and local levels; organized conferences and publications; provided policy advice to government agencies and other entities; and hosted postdoctoral visitors. Research at the Center is carried out by its director in association with other marine policy faculty, UD natural and social scientists, scholars at other universities, postdoctoral fellows, and graduate research assistants.

In recent years, the work of the Center has revolved around six major themes:

- integrated coastal management around the world;
- U.S. national ocean and coastal policy;
- implementation of Earth Summit international agreements;
- marine biotechnology policy;
- ecosystem management and GIS/remote sensing applications; and
- coastal and marine tourism.

Center research projects and conferences involve collaboration with a broad cross-section of people and agencies involved in marine affairs, including personnel from government agencies, nongovernmental organizations, academia, consultants, and the private sector. Researchers from the Center participate in a variety of fora relevant to ocean and coastal management, including attending and hosting international conferences, coordinating national level workshops and meetings, and participating in ongoing discussions in the United States relevant to domestic ocean policy.

The Center participates in four international exchange programs aimed at the transfer of knowledge and technology and the exchange of personnel in the area of ocean and coastal management. The programs include: 1) the North American Partnership in Marine Policy/Coastal Zone Management; 2) the U.S./Europe Consortium; 3) U.S./Caribbean Educational Cooperation in Integrated Coastal Management; and 4) U.S./Brazil Consortium in Marine Policy.

The Center serves as the editorial home for the international journal *Ocean & Coastal Management*. The Center also produces *Ocean & Coastal Policy Network News* and creates and maintains websites devoted to integrated coastal management and ocean, coastal and island issues. For further information, please visit the Center website at www.udel.edu/CMS/csm or call (302) 831-8086.

HISTORY MEDIA CENTER

The Center provides history graduate students and history education students with the use of, and instruction in, electronic media for teaching and research. The Center's resources include: computers and scanners for the electronic manipulation of images; pre-recorded video-tapes; and 190,000 slides covering images in American, European, and World history.

INSTITUTE FOR PUBLIC ADMINISTRATION (IPA)

The Institute for Public Administration (IPA), part of the College of Human Services, Education and Public Policy, links the resources of the University of Delaware with the management and policy information needs of public and nonprofit organizations in the Delaware Valley. IPA has a 30-year legacy of providing innovative expertise and assistance to local, state, and regional governments. Housed under IPA, the Conflict Resolution Program, Water Resources Agency, and the International Union of Local Authorities (IULA) Office for Research and Training increase the breadth of its outreach.

IPA faculty, staff, and students work closely with administrators and elected officials on a variety of public policy issues. Ongoing focus areas include legislative research, health care policy, water resource management, municipal planning and land use, women's leadership development, economic development, civic education, and education leadership. IPA also offers workshops, forums, certificate programs, and professional training seminars.

IPA manages the internship program for the School of Urban Affairs and Public Policy. Under this program, graduate students have completed internships in government, non-profit, and private agencies. The Legislative Fellows program, also managed by IPA, offers qualified undergraduate and graduate students the opportunity to assist legislators through non-partisan research of complex public policy issues such as educational reform, land use planning, and environmental concerns. In addition, IPA provides research opportunities to undergraduate students interested in public policy through its Public Service Fellows program.

For further information on IPA or its programs, call (302) 831-8971 or visit the website: www.ipa.udel.edu.

INSTITUTE FOR TRANSFORMING UNDERGRADUATE EDUCATION (ITUE)

The Institute for Transforming Undergraduate Education (ITUE) is committed to continuous improvement of undergraduate education through faculty development and course design. ITUE actively promotes the development of critical thinking, problem-solving, communication, and teamwork skills in our students. To meet these goals, ITUE advocates effective use of instructional technology combined with active learning strategies, including problem-based learning. Undergraduate students at UD benefit directly from the reform activities of ITUE, a nationally recognized leader in bringing problem-based learning to the undergraduate curriculum.

ITUE Faculty Fellowships are awarded annually following a review of applications in early spring. During a week-long session, Faculty Fellows receive hands-on experience in employing active learning and web-based approaches. In addition, Fellows receive small grants to help facilitate their course transformations. Additional follow-up sessions are scheduled throughout the academic year.

For further information, please contact George Watson (302) 831-0740; e-mail: ud-itue@udel.edu or visit www.udel.edu/itue.

INSTITUTE OF ENERGY CONVERSION (IEC)

The Institute of Energy Conversion (IEC), established at the University of Delaware in 1972, is a laboratory devoted to research and development of thin-film photovoltaic solar cells and other photonic devices. ICE was designated a University Center of Excellence for Photovoltaic Research and Education by the Department of Energy and the National Renewable Energy Laboratory in 1992. Fundamental materials and device research is carried out in parallel with process engineering studies and analysis of film deposition processes. The broad scope of the research and development effort offers opportunity for study in the field of physics, chemistry, materials science, chemical engineering, mechanical engineering, and electrical engineering as well as collaboration with industrial groups seeking to manufacture and commercialize photovoltaics. IEC is a totally integrated laboratory in which materials and films are synthesized and characterized and electrical devices are fabricated and analyzed, offering the unique experience of correlating properties of completed devices with their fabrication processing all under one roof. Close collaboration between IEC staff and thin film photovoltaic industrial partners insures that the research is relevant to today's technology and includes state-of-the-art process development.

The Institute is staffed by approximately 20 professional and support personnel as well as faculty, visiting scholars, post-doctoral fellows, graduate and undergraduate students. Professional staff members jointly supervise graduate students for Masters and Doctorate degrees in conjunction with the departments of Chemical Engineering, Electrical and Computer Engineering, Materials Science and Engineering, Mechanical Engineering, and Physics. The professional staff members also lecture in undergraduate and graduate level courses, supervise undergraduate student research projects, and are active in related professional organizations. In addition to these resources, students conducting research at IEC have the opportunity for internships at other laboratories such as the National Renewable Energy Laboratory in Denver, CO and at industrial facilities. For more information, please see www.udel.edu/iec.

INSTITUTE OF SOIL AND ENVIRONMENTAL QUALITY (ISEQ)

The Institute of Soil and Environmental Quality (ISEQ) is a center of excellence for research, education, and outreach programs that provide science-based solutions to the many environmental problems involving our soil resources. The ISEQ has a three-fold mission:

To conduct basic and applied research on soil and environmental quality issues. Integral to this research is a rigorous, comprehensive graduate and undergraduate education program dedicated to training new soil and environmental scientists. Our research faculty emphasize interdisciplinary research between soil scientists and colleagues in agronomy, engineering, marine studies, hydrology, resource economics and environmental policy. As part of this, the ISEQ supports graduate fellowships and an undergraduate internship program in soil and environmental science.

To serve as an unbiased scientific advisory body for state, regional, and national advisory and regulatory agencies, policy-makers, and governmental leaders on issues related to soil and environmental quality. All scientists affiliated with the ISEQ serve on a Scientific Advisory Panel that responds to technical questions from the public and private sector on soil and environmental science issues.

To conduct public education and outreach programs designed to further public understanding of soil and environmental quality issues and thus foster effective citizen involvement in environmental policy-making. The ISEQ established an Education Advisory Board to provide training programs and educational aids related to soil and environmental sciences for K-12 teachers. We also conduct and support environmental education activities for youth, parents, and teachers.

For more information, please see <http://ag.udel.edu/iseq/> or contact the ISEQ director, Dr. Tom Sims, jsims@udel.edu.

JOHN L. WEINBERG CENTER FOR CORPORATE GOVERNANCE

The John L. Weinberg Center for Corporate Governance was established at the University of Delaware's Alfred Lerner College of Business and Economics in 2000. The activities of the Center include, but are not limited to, conferences on topics of current interest, workshops for corporate directors and executives, research, publication, and other activities appropriate to the furtherance of scholarship in the corporate governance field.

The Center's focus is to host roundtable discussions on selected corporate governance issues attended by members of the national business, legal, and academic communities, with the participation and assistance of members of the Delaware judiciary and bar, the University of Delaware business school faculty, and the Delaware corporate community. In addition, the Center maintains a national

speakers bureau of experts qualified and willing to speak to business and academic groups on corporate governance issues; develops and hosts an orientation program for directors of publicly-held, closely-held, and non-profit corporations with specific focus on their legal rights and responsibilities; initiates a resource clearinghouse for academic, legal, and business research projects bearing on corporate governance issues, and to encourage and support research on corporate governance issues of interest to the national business and legal communities; and educates current students about the current issues of corporate governance.

The John L. Weinberg Center for Corporate Governance consistently provides excellent programs for students, faculty, and the business community. The Center brings some of the nation's leading executives, jurists, academics, and journalists to the University of Delaware throughout the year. With the aforementioned, the Weinberg Center has earned a reputation nationwide for providing high-impact, valuable programs in the area of Corporate Governance.

MATHEMATICS & SCIENCE EDUCATION RESOURCE CENTER (MSERC)

The Mathematics & Science Education Resource Center (MSERC), part of the College of Human Services, Education and Public Policy, helps Delaware's K-12 mathematics and science teachers implement new content and performance standards in their classrooms. MSERC serves as an information center for mathematics and science education activities, both within the University and throughout the state, and plans and offers a professional development program for K-12 mathematics and science teachers.

Through MSERC, Delaware teachers have access to the latest curricular materials, the latest software and technology, and the latest assessment tools, as well as to expertise in all these areas, on a year-round basis. MSERC's professional development programs are scheduled so that teachers can attend easily (some are held in public schools) and are sequenced so that teachers can begin at a point appropriate to their experience and their pupils' needs.

MSERC also collaborates with local school districts, the Department of Education, and other agencies and groups dedicated to enhancing mathematics and science education in Delaware.

For more information, please see www.udel.edu/mserc.

OFFICE OF EDUCATIONAL TECHNOLOGY (OET)

The Office of Educational Technology (OET) supports instructional and desktop computing across the College of Human Services, Education and Public Policy (CHEP); provides technological leadership to academic programs throughout CHEP and the teacher education programs in CHEP and across campus; and offers contract- and grant-supported services for technology integration to partners in CHEP initiatives, such as K-12 schools, non-profit groups and government agencies. OET sponsors two annual programs: the Summer Institute in Educational and Assistive Technologies for inservice K-12 teachers and the New Arc Academy for 4th to 7th grade students with a focus on math, science and technology. For more information, visit the web site at:

www.udel.edu/oet.

UNIVERSITY OF DELAWARE PRESS

The University of Delaware Press publishes books in many scholarly fields and disciplines. These books reach a world-wide intellectual and academic community. Presently its major strengths are in literary studies, art history, interdisciplinary studies of the family, and history, including the life and culture of Delaware and the Eastern Shore. The Press offers assistantships to qualified graduate students and internships to qualified undergraduates. These students work with the chair of the editorial board and the managing editor to learn the day-to-day operations of a scholarly press. Students typically work 5-10 hours a week, as the budget allows, and may represent the press at annual conventions and meetings of scholars and academics.

Interested students and contributors should contact the chair, Dr. Donald C. Mell, University of Delaware Press, 326 Hullihen Hall, telephone (302) 831-1149 or visit the web site at:

<http://www.english.udel.edu/udpress>.



FLEXIBLE PROGRAMS PROMOTE LIFELONG LEARNING

- **Delawareans: Start Your Degree Program Close to Home**
- **Flexible Programs Abound in Professional and Continuing Studies**
- **Part-Time Study to Fit Your Lifestyle**
- **Distance Learning Brings the Campus to You**
- **Learning Should Last a Lifetime**

DELAWAREANS: START YOUR DEGREE PROGRAM CLOSE TO HOME

The University of Delaware, in partnership with Delaware Technical & Community College, offers to all qualified applicants the opportunity to pursue a two-year liberal arts program leading to the Associate in Arts (A.A.) Degree. The A.A. Program builds on the strengths of the former Parallel Program, which it replaces. The A.A. Program is offered at UD academic centers on Delaware Tech campuses in Wilmington, Dover and Georgetown.

The A.A. program is designed to enable students to complete sixty credits for the A.A. degree in two years, and then to move to the UD main campus in Newark to complete a bachelor's degree. All of the sixty credits required for the A.A. will apply toward a B.A. degree offered through the University's College of Arts and Sciences.

THE UNIVERSITY – DELAWARE TECH PARTNERSHIP

The A.A. Program is offered as the result of a unique partnership between the University and Delaware Tech. Delaware Tech provides classrooms and other facilities to enable the University to bring its teaching resources to locations throughout the state. The A.A. degree is a UD degree, and the courses for the A.A. degree are UD courses which appear on the UD transcript, but the physical location of the classrooms is at Delaware Tech. UD instructors provide most of the course instruction; however, some approved courses may be taught by Delaware Tech faculty. UD and Delaware Tech together provide academic support, including on-site academic advisement, tutoring, skills enhancement, and other services. Delaware Tech and UD also share responsibilities for registration, billing, financial aid, and other student services. The goal is to bring the best of both institutions to serve the educational needs of Delaware residents.

A.A. students receive UD identification cards and UD computer accounts, enabling them to use UD academic, cultural, and recreational privileges. For example, A.A. students can use the Morris Library or the Bob Carpenter Sports Center in Newark; they can join UD's registered student organizations; and they qualify for student rates at UD theatre, music, or art events. At the same time, A.A. students carry Delaware Tech identification cards, entitling

- **Competitive Students Can Start Early**
 - **College Enrollment Program for Advanced Pre-College Students**
 - **Forum to Advance Minorities in Engineering**
 - **Governor's School for Excellence**
 - **UD Summer College**
 - **The Classic Upward Bound Program**
 - **The Upward Bound Math/Science Program**

them to use Delaware Tech facilities and participate in Delaware Tech events.

Because of NCAA requirements, A.A. students who qualify for participation in intercollegiate sports may do so through Delaware Tech but not through UD – NCAA rules forbid dual eligibility.

BENEFITS OF THE A.A. PROGRAM

The A.A. Program has been designed to prepare students for the completion of a rigorous academic program, by building academic strengths and skills in a supportive small-campus environment. Program participants will receive academic advisement and assistance from staff at the University Advisement Center, the Academic Services Center, the Writing Center, and the Preparatory Math Lab. Academic advisors at the A.A. locations and in Newark will assist the transition of A.A. students to the Newark campus for completion of a bachelor's degree.

The distinctive features of the A.A. Program are:

- Small class sizes
- Close faculty contact
- Enhanced academic support
- Curriculum structured to support decisions about appropriate majors
- Focus on the traditional liberal arts (history, English, geography, and other related areas) – the broad education most in demand by employers
- Learning community concept with students clustered in their courses through LIFE (Learning: Integrated Freshman Experience): Seminar in the first semester, led by peer mentors (juniors and seniors) from the Newark campus
- Tuition substantially lower than UD Newark campus tuition

ADMISSION TO THE A.A. PROGRAM

Prospective students apply to the A.A. Program through the UD Admissions Office using the regular, two-part application. Applicants must demonstrate scholastic aptitude, motivation for academic achievement, and adequate preparation for degree completion. All Delawareans who demonstrate the capacity to succeed will be admitted to the Program. Financial aid is available

through UD, and students apply for financial aid at the same time as applying for entry to the Program.

Applicants must be graduates of accredited secondary schools or have equivalent credentials and must have completed coursework at the high school level appropriate for continued academic achievement and learning. A complete list of expected high school courses is available from the UD Admissions Office. All applicants must submit SAT-I and/or ACT scores. Applicants may consult the UD Admissions Office for complete information.

THE A.A. CURRICULUM

The A.A. curriculum is designed to provide students with broad skills important for future success, including critical thinking, reading, reasoning and analysis, mathematics, and elementary foreign language skills. The curriculum enables students to explore the various traditional disciplines of the liberal arts, leading to an eventual choice of a major from within these disciplines. The A.A. courses serve three purposes at once: the courses fulfill the requirements of the A.A. degree (see p. 85 for specific requirements); the courses fulfill the majority of the General Education requirements for the B.A. degree (see p. 84); and the courses serve as the entry-level courses for the most popular B.A. majors.

All students in the A.A. program are classified as "University Studies" students, meaning that they do not have a declared major during the time that they are in the A.A. Program. A formal major is declared upon relocation to the Newark campus at the beginning of the junior year.

In the first year, all A.A. students will be part of a learning community, a group of students co-enrolled in the same courses, including a Freshman Seminar designed to enhance the students' teamwork skills through hands-on projects related to the academic course work. In the second year, students choose academic courses from one of four tracks: Humanities, Natural Sciences, Social Sciences, or Foreign Languages. The courses within each track have been carefully chosen to serve as the springboard for entry into one of the B.A. majors associated with each track.

The A.A. degree requires the successful completion of 60 credit hours of approved academic work with a minimum grade point index of 2.0. Courses leading to the A.A. are offered at the UD academic center on Delaware Tech campuses in Wilmington, Dover, and Georgetown and admitted students may enroll in approved courses at any of these sites. Students may pursue the degree part-time or full-time. The A.A. program is non-residential – campus housing is not provided and most students elect to live with their families.

CONTINUING TOWARD THE B.A. IN NEWARK

Students who complete the required courses for the A.A. with a minimum GPA of 2.0 are guaranteed admission into a B.A. major on the Newark campus. A formal transfer of credit application is not required for A.A. recipients – they are already UD students, and need merely to declare their intention of continuing toward B.A. study in Newark.

Semester-by-semester course plans are available for the most popular B.A. majors, to help students complete their studies in a timely fashion, and the A.A. Program has been specially designed with these majors in mind (see www.udel.edu/advisement/aa for complete list). Other majors may also be possible from among the 90 combinations of majors and concentrations available within the B.A., but students should note that some majors in Newark have competitive entry requirements, with selection through an internal application process that applies to all students, including those who complete the A.A.

Students admitted to the A.A. Program are strongly encouraged to complete the entire two-year, sixty-credit sequence before moving to Newark to complete a bachelor's degree. If a student feels ready to move to Newark prior to completion of the A.A. degree, a formal

application will be necessary and applicants will be judged against rigorous entry criteria.

DIRECT START OPTION – FOR STUDENTS READY TO ENROLL DIRECTLY IN A FOUR-YEAR PROGRAM

Some Delaware students may know what major they want, and be academically prepared to enter a four-year program directly from high school, but may wish, for personal, financial, or other reasons, to start their studies close to home instead of in Newark. Such students should apply directly to their major of choice and should indicate Dover, Georgetown, or Wilmington as their location of choice on the admission application. If accepted into the chosen major, students will have the opportunity to work with an academic advisor to determine the feasibility of taking early coursework with the A.A. Program in Dover, Georgetown, or Wilmington. The advisor will help the "direct-start" student map course selections and develop a timetable for moving to the Newark campus. Courses for a particular major may not be available at all locations.

FOUR-YEAR DEGREES IN SOUTHERN DELAWARE

Selected four-year degree programs may be completed in their entirety in Southern Delaware. This alternative includes majors in Criminal Justice; Elementary Teacher Education (in conjunction with the Professional Development School in the Milford School District); Hotel, Restaurant, and Institutional Management through UD Online; and Agricultural and Natural Resources. Students must meet the admission requirements for these particular majors and space may be limited in some programs. An academic advisor can assist admitted students to determine how this option might work for them.

CONNECTED DEGREES – ANOTHER OPTION

Depending on the student's choice of major, a Connected Degree might be a better choice than the A.A. Program. Connected Degrees with Delaware Tech are currently available in Biology; Biotechnology; Criminal Justice; Early Childhood Education; Electrical Engineering; Hotel, Restaurant, and Institutional Management; Human Services; Secondary Mathematics Education; Medical Technology; and Nursing. The Connected Degree program is expected to grow, with agreements in Chemistry and Computer Sciences currently in negotiation. A complete and up-to-date list is available at www.dtcc.edu/connecteddegree

A Connected Degree is a formal, program-to-program transfer agreement between Delaware Tech and the University. In a Connected Degree, the student earns an Associate Degree in Technology from Delaware Tech, and then applies to transfer to UD with junior status, to complete a bachelor's degree in the related UD major. Students who complete the Delaware Tech degree with the minimal criteria as stated for each major are guaranteed admission to the matching major at UD, and the credits earned at Delaware Tech are applied toward the completion of the bachelor's degree at UD.

The main difference between starting in a Connected Degree as opposed to the Associate in Arts Program is which institution awards the two-year degree: in a Connected Degree, the first half of the degree is awarded by Delaware Tech, while the Associate in Arts is awarded by UD. However, the programs are similar in their location: in both a Connected Degree and in the Associate in Arts Program, the student would begin studies at a Delaware Tech campus.

Students who wish to pursue a Connected Degree should apply for initial (freshman) admission to Delaware Tech, and should work closely with a Delaware Tech advisor to complete the process for continuing toward completion at UD. Not all majors are available at all Delaware Tech campuses; see the list at:

www.dtcc.edu/connecteddegree for location information.

FOR MORE INFORMATION

The A.A. Program is administered through the University's Office of Undergraduate Studies and the University Advisement Center, both located in Elliott Hall on Main Street in Newark, telephone 302-831-1281. See www.udel.edu/advisement/aa for more information.

FLEXIBLE PROGRAMS ABOUND IN PROFESSIONAL AND CONTINUING STUDIES

The Division of Professional and Continuing Studies extends the University of Delaware's academic resources to citizens throughout the state and beyond through credit courses, certificate programs, nondegree short courses, public lectures, cultural events, distance learning, institutes, travel programs and conferences. Programs are offered in the fall and spring semesters as well as during the winter and summer sessions. Programs are taught or conducted by University faculty members and by outstanding professionals in their particular subject areas. The Division administers the University's winter and summer sessions.

The Division offers the following certificate programs:

- Business and Technical Writing
- Business Fundamentals
- Community Development
- Composite Materials
- Computer Applications
- Data Management and Statistical Analysis
- Dietetics Internship Program
- Hospitality Management
- Information Technology Leadership
- Leadership and Public Management
- Legal Assistant
- Legal Nurse Consultant
- Nonprofit Management
- Performance Improvement Management
- Project Management
- Supervision and Leadership
- Training and Employee Development
- Webmaster

In addition, the Division of Professional and Continuing Studies provides program development and instructional design support to area businesses, government agencies, and professional associations to help meet their educational and training needs. The Adult Center for Continuing Education Student Services (ACCESS) provides career counseling, educational planning, academic advisement and administrative assistance to current and potential Continuing Studies students. (See the "Resources for Students" chapter.)

For more information call (302) 831-2741 or see:
www.continuingstudies.udel.edu.

PART-TIME STUDY TO FIT YOUR LIFESTYLE

Undergraduate students are classified as part-time if they register for fewer than 12 credit hours in the fall or spring semester. Part-time students may be either matriculated (i.e., accepted into a specific degree program) or non-matriculated. Non-matriculated students may enroll through the Division of Professional and Continuing Studies for credit courses to provide personal enrichment, or to keep up-to-date in their fields. Both day and evening courses are available to Continuing Studies students. Through UD Online, courses also are available in Internet, videotape, or CD-ROM format.

Matriculated students can earn degrees through part-time evening study by completing classes that fit their schedules. In Wilmington and in Newark, undergraduate degrees available through

part-time study include: Accounting, Chemistry, Computer Science, Criminal Justice, Engineering Technology, English, History, Leadership and Consumer Economics, Psychology, Sociology, and Women's Studies. In southern Delaware, part-time students can earn Bachelor's degrees in Criminal Justice and Agriculture and Natural Resources. Distance learning students may complete a degree in Hotel, Restaurant and Institutional Management or a Baccalaureate for Registered Nurses. Students must apply for admission to these programs through the Office of Admissions.

For more information on degree programs for part-time undergraduate students, contact the Division of Professional and Continuing Studies, (302) 831-1114 or see:

www.continuingstudies.udel.edu.

DISTANCE LEARNING BRINGS THE CAMPUS TO YOU

UD Online/Distance Learning provides non-traditional students with greater access to credit and noncredit courses at the University, through instructional television and the Internet.

Each semester, selected courses are taught in the University's instructional television classrooms, where classes are either videotaped or delivered via the Internet. When applicable, videotapes or CD-ROMs are mailed to students registered as individuals or as work-site participants throughout the region. Examinations are proctored at designated work-sites and various University locations.

Live, interactive courses also are available via a two-way video and audio link between the Newark campus and Lasher Lab in Georgetown. In addition, selected graduate engineering courses are available via satellite through the National Technological University (NTU).

Core courses in the Baccalaureate for Registered Nurses (BRN) major are available through the UD Online system, with enrollment limited to students who have been accepted in that major. UD Online courses also cover the core curriculum in the undergraduate Hotel, Restaurant and Institutional Management (HRIM) program. Graduate programs available through distance learning technologies include the Master of Science in Nursing (MSN) with a concentration in Health Services Administration and the Master of Science (MS) with a major in Health Services Administration from the College of Health and Nursing Sciences. In addition, the College of Engineering, through the Engineering Outreach program, offers the Master of Engineering: Mechanical (MEM), and the Master of Engineering: Electrical Engineering (MEE). Many elective and support courses also are available which fulfill requirements for other degrees.

A variety of certificate programs are available through distance learning; these include Composite Materials, Dietetics Internship, E-Commerce Business Analyst, and Hospitality Management.

A toll-free telephone number (1-800-597-1444) is the student's link to the University's administrative and academic departments. For more information, please see:

www.continuingstudies.udel.edu/udonline.

LEARNING SHOULD LAST A LIFETIME

The Academy of Lifelong Learning, sponsored by the Division of Professional and Continuing Studies, provides more than 150 college-level, noncredit courses each semester, as well as seminars, travel, cultural and social events, and other learning and enrichment activities for retired individuals 50 and over. Academy activities are planned and taught by Academy members. The northern Academy is located in Arshat Hall on the Wilmington campus, the southern Academy in Lewes, Del. For more information, please see:

www.continuingstudies.udel.edu.

COMPETITIVE STUDENTS CAN START EARLY

THE COLLEGE ENROLLMENT PROGRAM FOR ADVANCED PRE-COLLEGE STUDENTS allows academically advanced and highly motivated students to pursue college-level course work on a part-time basis before graduating from high school. After obtaining approval from both their high school counselor and an ACCESS counselor, students may enroll in University classes during fall, spring or summer session. Concurrent enrollment allows students to supplement high school work with more advanced material, pursue interests, or build on special talents. Credits become part of the student's permanent record at the University and may be applied toward a university degree. For more information about this program or to schedule an appointment with a counselor, call the ACCESS Center at (302) 831-2741.

For general information about ACCESS Center services, see www.continuingstudies.udel.edu/access.

THE FORUM TO ADVANCE MINORITIES IN ENGINEERING /UNITE/MERIT/UNIVERSITY OF DELAWARE (FAME/UNITE/MERIT/UD) is a pre-college initiative to increase the effective participation of underrepresented groups in the applied sciences and engineering professions. The College of Engineering, with support from FAME Inc. and other organizations, offers a four-week academic enrichment program in the summer for talented high school students with demonstrated potential for success in the applied sciences and mathematics areas. The curriculum includes, but is not limited to, course work in mathematics, science, English, and engineering design.

For further information, call (302) 831-6315 or view www.udel.edu/engg/rise/FAMEInformation.htm.

THE GOVERNOR'S SCHOOL FOR EXCELLENCE is a one-week summer residential program that brings together academically and artistically talented Delaware high school students who have completed their sophomore year. Students live in residence halls on the Newark campus and attend either the academic program—consisting of discussions, lectures, debates, and films revolving around a specific theme—or the visual and performing arts program, which provides tutorial instruction with a noted artist and culminates in a performance or public display of work. Information is available through Delaware's secondary schools or by calling the Division of Professional and Continuing Studies at (302) 571-5239 or see www.continuingstudies.udel.edu.

UD SUMMER COLLEGE allows motivated high school students who have completed their junior year to expand their educational experience through college-level study at the University. During the five-week program, students live in supervised dormitories, take freshman-level courses taught by University faculty, and participate in a variety of social and cultural extracurricular activities, including out-of-town trips. Students select two classes from a curriculum of traditional and innovative courses. On successful completion of the courses, they earn regular University credit, which many colleges and universities accept as transfer credit. Apply by April 15 if financial aid is requested or otherwise by May 1. For more information, call the Summer College Office at (302) 831-6560 or see <http://www.udel.edu/summercollege>.

THE CLASSIC UPWARD BOUND PROGRAM at the University of Delaware, housed within the Academic Services Center, is a year-round program designed to serve 50 eligible high school students who reside in New Castle County, Delaware. This program provides students with a variety of academic enrichment and academic support services. Through participation in the University of Delaware Upward Bound Program, students learn the necessary academic skills needed to enroll in a college or university. Upward Bound is a comprehensive program divided into two phases – academic year and summer residential. Funded by the U.S. Department of Education, this program is free of cost to eligible applicants. For more information, please contact the Academic Services Center, 148-150 South College Ave., Newark, DE 19716, (302) 831-4102.

THE UPWARD BOUND MATH/SCIENCE PROGRAM at the University of Delaware, housed within the Academic Services Center, is designed to serve 50 eligible high school students who are U.S. citizens or permanent residents. Students who have completed the 9th grade from Delaware and Maryland are invited to participate in this residential summer program, and continue with monthly workshops during the academic year. Participants live on the University of Delaware campus for six weeks, studying various topics in science, mathematics, English and Latin. This program is designed for students who are from low-income or first-generation college backgrounds, and it is free of cost to eligible applicants, thanks to funding from the U.S. Department of Education. Call (302) 831-6373 for more information. Located at 148-150 South College Ave., Newark, DE 19716.



FEES AND FINANCIAL AID

- What UD Fee Policies Apply to Me?
- What is the Cost of Attending UD?
- Who is Considered a Delaware Resident?
- What Does It Cost to Live on Campus?
- What Should I Know About Living on Campus?
- What About Meals?
- How Much Will Meals Cost?
- What Other Fees Should I Know About?

WHAT UD FEE POLICIES APPLY TO ME?

Student tuition and fees, established by the Board of Trustees, apply equally to all students. These fees represent approximately 34 percent of the University's general revenues. Additional revenue sources include state appropriations, donations, endowment income and federal appropriations.

Each student is responsible for understanding and complying with University policies and for paying established fees, which are updated regularly in catalogs, fee-payment materials, and on the University's Web Site. Application for admission, as well as subsequent registration, constitutes acceptance of these terms. The University reserves the right to revise its policies, fees and other charges. Any revisions to policies or rates apply to all students. In most cases, the University provides advance notice of such changes.

WHAT IS THE COST OF ATTENDING UD?

The University of Delaware offers an affordable choice to students seeking a private-quality education at a public price. A full-time student who chooses to live in a standard multiple room on campus, with a seven day meal package, will pay \$6,308 per semester/\$12,616 per year (Delaware resident) or \$11,073 per semester/\$22,146 per year (non-resident). Winter and Summer Session fees are additional. Please see details below on Spring 2004 tuition, room, and meal fees, which are subject to change for the 2004-2005 academic year. (Fees and expenses for the Professional and Continuing Studies programs are published separately.)

- How Do I Pay My Bill?
- What Happens If I Miss My Payment?
- Do Members of a Student's Family or Senior Citizens Qualify for Tuition Discounts?
- Can Veterans and Their Dependents Obtain Assistance to Attend UD?
- Are There Discounts for Delaware Teachers?
- How Do I Apply for Financial Aid?

TUITION (Per Semester)

Charges are the same for courses taken for credit or as an auditor (listener).

# of Student Credit Hours	DELAWARE RESIDENT		NON-RESIDENT	
	Undergraduate	Graduate	Undergraduate	Graduate
1	\$ 246.00	\$ 327.00	\$ 643.00	\$ 857.00
2	492.00	645.00	1,286.00	1,714.00
3	738.00	981.00	1,929.00	2,571.00
4	984.00	1,308.00	2,572.00	3,428.00
5	1,230.00	1,635.00	3,215.00	4,285.00
6	1,476.00	1,962.00	3,858.00	5,142.00
7	1,722.00	2,289.00	4,501.00	5,999.00
8	1,968.00	2,616.00	5,144.00	6,856.00
9	2,214.00		5,787.00	
10	2,460.00		6,430.00	
11	2,706.00		7,073.00	
12				
13				
14				
15		\$ 2,945.00		\$ 7,710.00
16				
17				

- Tuition for Additional Credit Hours -

There is an additional charge as shown below for undergraduate registration in excess of 17 credit hours.

Credit Hours	DELAWARE RESIDENT	NON RESIDENT
	Undergraduate	Undergraduate
18	\$ 246.00	\$ 643.00
19	492.00	1,286.00
20	738.00	1,929.00
21	984.00	2,572.00

MBA Students - Tuition rates for graduate students classified as Masters of Business Administration or Masters of Economics/Business Administration.

Tuition Rates	DELAWARE RESIDENT	NON RESIDENT
Per Credit Hour	\$ 401.00	\$ 857.00
Full Time (9 or more credit hours)	\$ 3,610.00	\$ 7,710.00

Graduate Student Sustaining Fee - Master's Sustaining Fee is \$330.00. Doctoral Sustaining Fee is \$490.00. (Read more about Sustaining Status in the chapter on Academic Regulations for Graduate Students.)

Full-time tuition covers registration for 12 to 17 credits per semester for undergraduates, and 9 to 12 credits per semester for graduate students. All full-time undergraduate students pay the full-time tuition charge, which includes regular course, laboratory, library, athletic and recreation facility fees. In addition to semester bills, students should be prepared to pay about \$800 per year for books and supplies, and \$1,500 for transportation and miscellaneous other expenses.

WINTER SESSION TUITION (2004)

TUITION RATES - PER SESSION

Credit Hours	DELAWARE RESIDENT		NON-RESIDENT	
	Undergraduate	Graduate	Undergraduate	Graduate
1	\$ 246.00	\$ 327.00	\$ 643.00	\$ 857.00
2	492.00	645.00	1,286.00	1,714.00
3	738.00	981.00	1,929.00	2,571.00
4	984.00		2,572.00	
5				
6	Maximum Tuition \$ 1,107.00		Maximum Tuition \$ 2,894.00	
7				

Tuition for Masters of Business Administration or Masters of Economics/Business Administration.

Tuition Rates	DELAWARE RESIDENT	NON RESIDENT
Per Credit Hour	\$ 401.00	\$ 857.00
No maximum applies to Graduate level courses		

SUMMER SESSION TUITION (2004)

TUITION RATES - PER SESSION

Credit Hours	DELAWARE RESIDENT		NON-RESIDENT	
	Undergraduate	Graduate	Undergraduate	Graduate
1	\$ 246.00	\$ 327.00	\$ 643.00	\$ 857.00
2	492.00	645.00	1,286.00	1,714.00
3	738.00	981.00	1,929.00	2,571.00
4				
5	Maximum Tuition \$ 984.00		Maximum Tuition \$ 2,572.00	
6				
7				

Tuition for Masters of Business Administration or Masters of Economics/Business Administration.

Tuition Rates	DELAWARE RESIDENT	NON RESIDENT
Per Credit Hour	\$ 401.00	\$ 857.00
No maximum applies to Graduate level courses		

WHO IS CONSIDERED A DELAWARE RESIDENT?

To qualify as a Delaware resident for tuition purposes, the student or parent of a dependent student must have been domiciled in Delaware for at least twelve consecutive full months as of the first day of class in which such classification is sought.

A determination of status for tuition purposes is made when a student is accepted to the University or when he or she first enrolls as a Continuing Education student. Questions concerning residence status, especially in complicated situations such as military service, custody or guardianships, should be directed to the Admissions Office (undergraduates) or Graduate Studies Office (graduate students) at the time of application. Students seeking a change in classification after enrolling at the University must complete an application form. The form is available in the Student Services Building.

For more complete information regarding this policy or to obtain an application, contact the Registrar's Office at (302) 831-1280, visit the Student Services Building or see:

www.udel.edu/registrar/residency.html

WHAT DOES IT COST TO LIVE ON CAMPUS?

HOUSING RATES 2003-2004

Residence Hall	Academic Year	Per Semester
Traditional*		
Standard Multiple	\$ 3,428	\$ 1,714
with bath	\$ 3,628	\$ 1,814
Economy Single	\$ 3,712	\$ 1,856
Standard Single	\$ 4,072	\$ 2,036
with bath	\$ 4,366	\$ 2,183
Pencader		
Double	\$ 3,628	\$ 1,814
Single	\$ 4,366	\$ 2,183
Ray Street		
Double	\$ 3,840	\$ 1,920
Christiana		
1/4 2-bdrm apt.	\$ 3,884	\$ 1,942
1/2 1-bdrm apt.	\$ 4,858	\$ 2,429
Conover (Family and Graduate Housing)		
2-bdrm apt. \$ 815/month	unfurnished \$ 795/month	
1-bdrm apt. \$ 710/month	unfurnished \$ 700/month	
Graduate House (Graduate Housing)		
Single Room (small)	\$ 420/month	
Single Room (large)	\$ 500/month	

*Rooms in air-conditioned residence halls on the Green are an additional \$50 per semester, per student.

WHAT SHOULD I KNOW ABOUT LIVING ON CAMPUS?

ON-CAMPUS UNDERGRADUATE HOUSING

Newly admitted students automatically receive residence application information. Returning students apply online for an on campus housing late February, beginning with the Housing Fair through mid-March. Students may obtain information at www.udel.edu/has.

Freshman students are required to live in University housing or at home with a parent or guardian. Requests for exceptions to this policy along with an explanation of the student's situation must be submitted in writing to Housing Assignment Services. Returning and transfer students may live in the University residence halls, their own homes, fraternity/sorority houses, or in the local community in facilities of their own choosing. Listings of some current off-campus housing options are available at:

www.udel.edu/has/offcampus/main.htm

The purchase of a meal plan is mandatory for undergraduate students living in all residence halls except the Christiana Towers apartments. Visit the Dining Services Web site for details at www.udel.edu/dining.

Freshmen and returning students who meet published deadlines for housing application are guaranteed on-campus housing. Students whose housing applications are received after published deadlines are not guaranteed housing but will be accommodated as space permits. On-campus housing is available for single transfer students, although demand is often greater than the number of spaces available.

Housing assignments are based on a computerized set of student-selected preferences and other criteria specified in application instructions. While an effort is made to satisfy each student's housing preference, the University cannot always fulfill requests for certain spaces or areas. You will need to pay the full cost for your assigned room or apartment, whether or not you receive the type of housing

you requested. See the Student Life and Activities chapter in this catalog for a description of residence hall facilities.

To apply for on-campus housing and dining, students submit a housing and dining application and preferences on-line. A \$100 housing deposit for incoming students or \$200 deposit for returning students may be paid with a credit card, check, or money order to the Cashiers Office. Returning students may also deduct their deposit from their *FLEX* account. Prospective students will receive detailed instructions in their admittance packets. The deposit is credited toward the academic-year residence hall charges. New freshmen and transfer students who cancel their housing applications for the Fall semester in writing on or before May 31 will receive a partial deposit refund of \$50. Students who cancel after May 31 but before July 1 will forfeit the entire deposit.

Returning students who cancel their housing applications for the Fall semester on or before April 15 will receive a partial deposit refund of \$100. Returning students who cancel after April 15 but before July 1 will forfeit the entire deposit.

The deadline for cancellation for the Winter Session and/or Spring semester is December 20 for all students.

After the Binding Date (July 1 for fall semester; December 20 for Winter Session and/or Spring semester), there is no refund of the deposit and additionally students are obligated to pay for the entire cost of the space assigned to them for the remainder of the academic year (see *Housing Agreement*).

UNDERGRADUATE STUDENT HOUSING AGREEMENT

Your submitted *Student Housing Agreement* is binding for a specific academic period, generally until the end of the Spring semester. For example, if you submit the *Agreement* in the middle of fall, it is binding until the end of the following spring semester. You will be charged for the room or space from the effective date of your *Housing Agreement* through the end of the academic year specified on your application, unless Housing Assignment Services releases you from the *Agreement*. Students who submit an application and *Agreement* after the beginning of any semester will pay a prorated portion of the semester charge determined by the date of occupancy. On the date the *Student Housing Agreement* becomes binding (July 1 for fall semester and December 20 for Winter Session and/or spring semester), you are obligated to pay for the full housing even if you elect not to use it. The binding date for students who move into university housing mid-term is the date of application.

GRADUATE STUDENT AND FAMILY HOUSING

University-owned graduate student and family housing apartments and rooms are offered on a first-come, first-served basis based upon the date of application for housing. On-campus housing is not guaranteed. See the Student Life and Activities chapter in this catalog for a description of university housing facilities. Those who choose to live off-campus may access the off-campus housing listing for listings of some current housing options provided to Housing Assignment Services:

www.udel.edu/has/offcampus/main.htm.

Information and applications for on-campus graduate student housing are sent upon admission and may also be obtained online at www.udel.edu/has/housing/rental. A \$200 security deposit in United States funds is required with the application. Students are required to sign a *Graduate Student and Family Housing Agreement*, which obligates the student from the date of signature through July 31 of the following year. The deposit will be held until the end of the leasing agreement and will be refunded to the student minus any damages to the unit.

For additional information, please write or call Housing Assignment Services, 5 Courtney Street, Newark, Delaware 19716, (302) 831-3676; e-mail:

grad-family-housing@udel.edu.

STUDENT GUIDE TO UNIVERSITY POLICIES AND CANCELLATION POLICY

When you submit an application for university housing, you agree to comply with the terms of the *Housing Agreement*, all rules described in the *Student Guide to University Policies* (www.udel.edu/stuguide/current), and any other policies pertaining specifically to your assigned space. Housing Assignment Services reserves the right to reassign you to another space (1) if you violate any provision, policy, rule or regulation; (2) to protect the health and safety of others; and/or (3) to make sure that University resources are used prudently. Typically, you will receive at least 24 hours' notice of reassignments.

Cancellation of the *Housing Agreement* is permitted only under specific or exceptional circumstances and must be approved by Housing Assignment Services. If you wish to be released from an *Agreement*, you should submit a written request to Housing Assignment Services. Rebates of charges or penalties are detailed in the *Student Housing Agreement* or the *Graduate and Family Student Housing Agreement*.

ELIGIBILITY FOR UNIVERSITY HOUSING

Students may reside in university housing only if they are properly registered and in good academic, financial, and disciplinary standing with the University. Academic eligibility requirements for residence in university housing are as follows:

Single full-time undergraduate students must be registered for at least 12 hours of academic credit in the fall or spring semesters.

Graduate students must be registered for at least 9 semester hours of academic credit or be on sustaining status.

Students who drop below the eligibility requirements may petition Housing Assignment Services for permission to continue to live in university housing for the remainder of the term of the *Housing Agreement*. The rules, regulations, charges, and services for University housing may be changed mid-year and without prior notice.

WHAT ABOUT MEALS?

Four 'all-you-care-to-eat' dining halls offering a wide variety of menu choices are available across campus: Russell on East Campus, Rodney on West Campus, Kent on Central Campus, and Pencader on Laird Campus. Dining Services also provides numerous snack and meal locations, including campus food courts, food stands, convenience markets, concessions carts, delivery services, and fine dining at the Blue and Gold Club. A registered dietitian is on-hand for free personal consultations regarding special dietary needs.

DINING PLANS FOR STUDENTS IN RESIDENCE HALLS

A variety of dining plan options are available for undergraduate students living on campus. **All students living in residence halls are required to purchase a dining plan for each semester/session. Dining plans are optional for students living in the Christiana Towers Apartments.**

A dining plan for winter session and summer session is required for students living in a residence hall during these sessions. Students living in the Christiana Towers Apartments, Graduate Student and Family Housing, or off campus may purchase an optional dining plan for winter session or summer session.

Each dining plan includes a specific number of weekly meals to be used in any of the four dining halls, plus a specific number of "points" per semester. Using points, students can buy food at campus food courts, food stands, convenience markets, concessions carts, as well as delivery, and at the Blue and Gold Club. Additional points may be purchased at the Value Transfer Stations in the Trabant University Center, Perkins Student Center, and Smith Hall; or at least

\$25 at any University Box Office, the Cashiers Office, or the outside drop slot at the Student Services Building. Unused meals may not be carried over from week to week. **Unused points from summer session, fall semester and/or winter session may be carried over to the next semester/session. At the end of the spring semester all unused points are forfeited, have no refundable value and may not be redeemed.**

Dining plans are billed on a per semester/session basis. For residence-hall students with a *Housing Agreement*, the effective dates of the housing and dining agreements are the same.

DINING PLANS FOR STUDENTS LIVING IN THE CHRISTIANA TOWERS APARTMENTS, GRADUATE STUDENT AND FAMILY HOUSING OR OFF-CAMPUS

Selection of a dining plan is optional, but for those students in this category who like the convenience of cashless purchases for dining services, the following options are available:

Option 1: Students may select any optional plan. The deadline for changes or cancellations corresponds with the drop/add deadline for classes each semester. The minimum purchase for a Christiana Towers Apartment & Off-Campus Points Plan is \$150, but a student may purchase any amount over that minimum. **Unused points from summer session, fall semester, and/or winter session may be carried over to the next semester/session. All unused points are forfeited at the end of the spring semester and have no refundable value.**

Option 2: Instead of purchasing additional points, you may want to consider opening a UD1 *FLEX* or the UD#1 CARD w/STARsm to expand the purchasing capabilities of your UD#1 CARD on and off campus. *FLEX* gives students campus-wide cashless purchasing power at ALL dining locations, at more than 50 campus services, including the bookstore, University computer labs, the library, laundry machines, and the Student Services Building. Unused *FLEX* balances carry over from semester to semester and are fully refundable upon closing the *FLEX*ible spending account. STARsm is accepted at select on and off campus locations. For more information, call UD1-CARD (831-2273), the WSFS Bank branch at the Trabant University Center at (302) 831-4400, or send an e-mail to: ud1flexoffice@udel.edu.

SELECTING AND CHANGING DINING PLANS

The Housing/Dining preference form available on the Web allows students to select a dining plan. The dining plan may be changed (subject to applicable deadlines) by completing the Choose or Change form attached to the Fall 2004 Dining at Delaware brochure which is enclosed with the semester bill, or by using the online Choose or Change application available at www.udel.edu/dining. If the student makes no selection, he or she will automatically be assigned and billed for the default plan providing 12 meals per week plus \$160 points per semester.

After the student arrives on campus, dining plan selections may be changed one time between the day that classes begin until the drop/add deadline for classes each semester. NOTE: The fall dining plan selection will automatically be reassigned for spring unless the student makes a formal request to change using the Choose or Change form or online application.

CANCELING DINING PLANS

Requests to cancel a *Dining Services Agreement* for the current semester or session are granted only in limited situations and must be made in writing in accordance with the *Cancellation Policy* at www.udel.edu/dining.

If the request to cancel the *Dining Services Agreement* is granted by the University the student's University account will be credited based on a proration of unused dining plan meals for the remaining days in the term of the Agreement minus two weeks (14 days), plus

the value of any unused points. Any credit balance in the student's University account may be transferred to a UD1 *FLEX* account. For sessions or programs other than the fall or spring semesters, applicable refunds will be calculated in proportion to the semester refund schedule.

ACCESSING DINING FACILITIES

A student's UD#1 CARD or cash must be presented for a Dining Services transaction. The UD#1 CARD is not transferable and may only be used by the person to whom it is issued.

LOST UD#1 CARDS

The University accepts no responsibility for lost or stolen UD#1 CARDS. It is the student's responsibility to report a lost UD#1 CARD as soon as possible by dialing UD1-CARD (831-2273), to prevent unauthorized use. The student will be required to use his or her UD PIN to suspend their UD#1 CARD when using this CARD service line. Replacement cards are issued by the UD#1 CARD office in the Student Services Building.

HOW MUCH WILL MEALS COST?

DINING FEES 2003-2004

Plan	Value per Semester	Cost per Semester
1	Any 19 meals/week plus \$ 35 in points	\$ 1,345
2	Any 18 meals/week plus \$ 55 in points	\$ 1,345
3	Any 17 meals/week plus \$ 75 in points	\$ 1,345
4	Any 16 meals/week plus \$ 95 in points	\$ 1,345
5	Any 15 meals/week plus \$115 in points	\$ 1,345
6	Any 14 meals/week plus \$135 in points	\$ 1,345
7	Any 13 meals/week plus \$155 in points	\$ 1,345
8	Any 12 meals/week plus \$175 in points	\$ 1,345
9	Any 11 meals/week plus \$195 in points	\$ 1,345
10	Any 10 meals/week plus \$215 in points	\$ 1,345
11	Any 9 meals/week plus \$235 in points	\$ 1,345
12	Any 8 meals/week plus \$255 in points	\$ 1,345
13	Any 7 meals/week plus \$275 in points	\$ 1,345
14	Any 6 meals/week plus \$295 in points	\$ 1,345
15	Any 5 meals/week plus \$315 in points	\$ 1,345
OFF-CAMPUS & CHRISTIANA PLANS		
a	50 block meals	\$322
b	Any 3 meals/week	\$292
c	Points (\$150 minimum buy-in)	\$150

WHAT OTHER FEES SHOULD I KNOW ABOUT?

DETERMINING DATE FOR TUITION CHARGES.

Tuition charges are based on registrations made before the end of the late-registration, free drop/add period (the first two weeks of the regular semesters or the first four days of Winter/Summer sessions). Full charges are made for course addition and/or withdrawal thereafter.

REBATES FOR TUITION CHARGES.

Full rebates of tuition charges will be offered for courses dropped by the end of the late-registration, free drop/add period. NO REBATES OF TUITION will be made for courses dropped thereafter.

FEE FOR CHANGES IN REGISTRATION.

Students can make registration changes without fee, and with a full rebate of tuition, prior to the start of classes and during the late-registration period. After the first two weeks of classes, however, a charge of \$20 will be assessed once per semester when a student initiates a request to change from one class or course section to

another, drops or adds a course, changes to or from the pass/fail option, or changes to or from auditor status. **In addition to this fee, all students will be charged tuition for any course dropped after the free drop/add period.**

SUMMER/WINTER SESSION REGISTRATION FEE.

All students who register for summer or winter sessions are assessed a \$20 Registration Fee per session. In addition, there is a \$15 General Fee charged for each summer session.

PART-TIME STUDENTS.

Undergraduate Delaware residents who enroll for fewer than 12 credits pay \$246* per credit hour. Undergraduate nonresidents who enroll for fewer than 12 credits pay \$643* per credit hour. Courses taken as an auditor are included in the credit-hour total. A \$20 registration fee is charged to part-time students each semester. All students are assessed this fee during summer and winter sessions.

COMPREHENSIVE STUDENT FEE.

A mandatory \$62* fee is assessed to all full-time undergraduate students each semester.

STUDENT CENTER FEE.

A mandatory fee is charged to full-time students to cover amortization of bonds used in the construction of the new student center and renovations to the Perkins Student Center, as well as operating costs of these student centers. The fee is \$70 per semester, during fall and spring semesters.

NEW STUDENT ORIENTATION FEE.

Newly matriculated undergraduate students (including transfers) are required to pay a \$75* fee for the New Student Program and New Student Orientation, regardless of their participation in these activities.

SPECIAL RECORDING FEE.

The University charges a fee for the following processing and recording transactions:

- Advanced placement credit (\$15)*
- Transferring credit earned at other institutions following admission (\$25)*

STUDENT HEALTH SERVICE FEE.

Each semester, a mandatory \$172* fee is assessed to all full-time matriculated students, entitling them to use the Health Service during that period. Part-time matriculated students are eligible to use Health Center services by including the fee with their semester payment, or they may use the Health Center on a fee-for-service basis. A separate winter session health fee (\$47*) is automatically assessed all full-time students enrolled in winter session course work. Full-time students not enrolled in winter session may use the SHS on a fee-for-service basis or by paying the winter session health fee. During the summer session(s) all full-time and part-time students are eligible to use the service on a fee-for-service basis or by paying an optional \$61* summer session charge, which allows use of the SHS during the summer period.

STUDENT MEDICAL INSURANCE.

An optional accident-and-sickness insurance plan, administered by University Health Services, Inc., is available to all admitted students. This insurance does not cover medical services offered in the Student Health Service. International students and students whose parents live outside the continental United States are required to enroll in the insurance plan offered through the University, or provide

proof of equivalent coverage. Information detailing the medical coverage is mailed to students. It is also available in the Student Health Center.

CREDIT BY EXAMINATION FEE.

Credit may be awarded when a student demonstrates proficiency in a subject matter field by passing an examination arranged with the department. A \$50* per credit hour fee is charged in advance to cover administration and recording costs.

VIDEO-BASED COURSES FEE.

Students enrolled in video-based academic courses should contact the UD ONLINE office (302) 831-1074 for fee information.

INDEPENDENT STUDY FEE.

Students enrolled in a regular academic program who earn credit by working on an independent research or reading project must pay the appropriate tuition charge.

SCUBA FEE.

Students enrolled in HESC 132 will pay a \$70 fee per semester in addition to the regular tuition charge to cover equipment costs.

STUDENT TEACHING FEE.

Students enrolled for Student Teaching (EDDV 400 or IFST 459) will pay \$75* per semester in addition to the regular tuition charge.

CLINICAL COURSE FEE.

Students enrolled in NURS 353, 355, 357, 359, 453, 455 and/or 475 will pay \$125 per course in addition to the regular tuition charge.

TRANSCRIPT FEE.

Prepayment of \$5* is required for each official transcript. Transcripts cannot be released until all outstanding financial obligations are met. Upon receipt of the completed form, which must be completed by the student, official transcripts are normally mailed within 48 hours.

GENERAL FEE FOR CHANGES AND REPLACEMENTS.

A nominal charge, not exceeding \$20*, is assessed for such transactions as changes in residence-hall rooms (after the first two weeks of each semester) and replacement of lost identification cards (at any time).

GRADUATION FEE.

Candidates for an advanced degree are expected to file a completed Application for Advanced Degree with the Office of Graduate Studies and to pay a graduation fee by the stated deadline for Summer, Fall, or Spring degree conferral. The graduation fee is \$35 for master's candidates and \$95 for doctoral candidates.

HOW DO I PAY MY BILL?

All University fees and expenses are due by the published deadlines for each semester or session. In general, tuition, room and meals are due about one month before the start of each semester. A University tuition-and-fees payment packet, listing estimated semester expenses, and a fee-payment form are mailed to each student at least six weeks in advance of the start of each semester.

If the tuition-and-fees payment packet and the fee-payment form do not arrive in the mail for any reason, the student is responsible for obtaining these materials from the Account Services Office. It is also

*Fee approved for the 2003-04 academic year. Subject to change for the 2004-05 academic year.

the student's responsibility to make any necessary adjustments to the bill, and to return the fee-payment form to the Cashiers' Office with any required payment. A fee-payment form must be completed and submitted by all students, even if financial aid, graduate contract, or other credits may cover the total semester charges. Graduate students on contract must submit payment for the Student Health Fee and Student Center Fee with their fee payment form by the deadline.

All payments made by check or money order should be made payable to the "University of Delaware." Receipts are issued for payments by check or money order only when specifically requested. Pay your bill via the internet through your checking account at: <http://udel.edu/paybill>. The net total, or the first installment of University fees and charges, together with the completed fee-payment form, is due by the date specified in the instructions in the fee payment packet.

A dishonored check that has not been cleared by the payment deadline does not constitute payment. The University charges a \$25* service charge for dishonored checks. Moreover, students who submit dishonored checks may be required to make future payments by cash, money order or certified check.

For a \$50* service fee, students whose credit remains in good standing with the University may pay semester bills in accordance with the installment plan table. The University issues a monthly statement to each student. But, installment payments are due by the dates specified, whether or not the student receives a statement. The dates listed below are approximate.

FALL SEMESTER

August 1	25%
September 20	25%
October 20	25%
November 20	25%

SPRING SEMESTER

By the date specified	25%
February 20	25%
March 20	25%
April 20	25%

A Guaranteed Prepaid Tuition Plan allows families to pay cash up to the full amount necessary to prepay up to four years of full-time tuition at the current full-time tuition rate. For further information, call the Account Services Office at (302) 831-2126.

Students are billed individually for any loss, breakage, or damage of University property and for such incidental charges as library and parking fines. These bills are due upon receipt. Failure to pay them may result in the following penalties for nonpayment.

WHAT HAPPENS IF I MISS MY PAYMENT?

- IF THE UNIVERSITY DOES NOT RECEIVE A STUDENT'S FEE-PAYMENT FORM AND REQUIRED PAYMENT BY THE SPECIFIC DATE EACH SEMESTER, ADVANCE REGISTRATION MAY BE CANCELLED.
- If any fees, fines or miscellaneous payments are not received by due dates, the student may be dropped from the University. Subsequent registration will be refused and transcripts, diplomas and other information concerning attendance at the University will be withheld. Reinstatement requires payment of the amount due and compliance with the usual readmission procedures.
- Students are responsible for collection agency fees, attorney fees, court costs and other costs and charges necessary for the collection of any amount not paid by the due date.
- Students who fail to make payments by the due date may be denied the privilege of using the installment payment plan in future semesters.

LATE-PAYMENT FEE.

Any student who fails to submit the fee-payment form and any required payment to the Cashier by the specified date will be charged a \$40* late-payment fee. New students who are admitted too late to pay by the established fee-payment date, as identified by the Admissions Office, will not be charged a late-payment fee if they make payment by the new fee-payment date assigned to them.

Any student who does not submit a fee-payment form and any required payment before the first day of classes will be charged a \$55* late-payment fee. A student who chooses the installment payment plan and then does not pay the second, third and final installments when due or fails to pay the required percentage of his or her bill will be assessed a \$25* installment penalty for each such installment.

DO MEMBERS OF A STUDENT'S FAMILY OR SENIOR CITIZENS QUALIFY FOR TUITION DISCOUNTS?

SIBLING/PARENT.

Every full-time, matriculated student is entitled to a Sibling/Parent Tuition Credit of \$100 if he or she has one or more siblings or parents who is also a full-time matriculated undergraduate at the University for the same academic year. To receive this tuition credit, the eligible students must submit a Sibling/Parent Tuition Credit form to the Cashiers Office by the fee-payment deadline for spring semester. These forms are available in December in the Student Services Building. For determination of eligibility, see the Sibling/Parent Tuition Credit Policy distributed with the form or contact the Account Services Office (302)831-2126.

SENIOR CITIZENS.

Every matriculated student who is a Delaware resident, 60 years of age or older, may take credit courses on a space-available basis without paying tuition. They must pay all applicable fees except the Admission Application, Readmission Application, Advance Standing, Student Teaching, and New Student Orientation Fee. For further information, contact the Admissions Office at (302)831-8123.

CAN VETERANS AND THEIR DEPENDENTS OBTAIN ASSISTANCE TO ATTEND UD?

The University of Delaware is approved for veteran attendance under Chapters 30, 31, 32, 34, 35 and 106 of Title 38, Code of Federal Regulations. Veterans interested in obtaining benefits under these regulations should contact the University Veterans Affairs Clerk in the Student Services Building Monday-Thursday 8 a.m.-4:30 p.m. at (302) 831-8987.

ARE THERE DISCOUNTS FOR DELAWARE TEACHERS?

Delaware public school teachers, as defined below, are exempt from the payment of all regular summer session course charges. The Delaware teacher tuition exemption does not apply to UD Online video-based courses or study abroad programs. UD Online tuition and fees must be submitted with registration. Teachers must submit a Fee Payment Form and pay the summer general fee, registration fee, any room and board fees and, where applicable, application, diploma, or graduation fees. Failure to submit a Fee Payment Form by the date specified will generate a late fee and risk cancellation of registration.

The term "Delaware public school teachers" refers to those

*Fee approved for the 2003-04 academic year. Subject to change for the 2004-05 academic year.

under legal contract to serve the public elementary and secondary schools of the state as teachers (regular, provisional, temporary or substitute), instructional aides, guidance counselors, librarians, or nurses, and administrative personnel who regularly supervise the above, but excluding other employees in staff administrative positions. Delaware public school teachers who have so served at least half-time (90 days) during the previous academic year, or who have legally obligated themselves as full-time during the succeeding academic year, are eligible for this exemption. Details regarding methods of establishing entitlement are contained in the Summer Session bulletin.

Those in doubt about their classification as Delaware public school teachers should obtain clarification from the Account Services Office, (302) 831-2126, before registering.

HOW DO I APPLY FOR FINANCIAL AID?

Graduate students should also read the chapter "Graduate Fellowships and Assistantships" in this catalog.

At the University of Delaware, scholarship and financial assistance programs focus on the student. Whenever possible, the University strives to remove financial barriers to higher education, and to attract students with exceptional academic promise. The University works in partnership with families to make a University of Delaware education possible.

Financial assistance programs represent a bridge between the family's ability to pay and the cost of higher education. The University distributes its financial support in the form of scholarships based on academic excellence and need-based packages consisting of grants, loans, and employment opportunities. While the Office of Undergraduate Admissions focuses on merit awards for incoming freshmen, the Office of Financial Aid works with families in the allocation of need-based support.

HOW TO APPLY FOR FINANCIAL AID

Entering Students. - Financial aid applications should be submitted early in January, before the student enters fall-semester classes. The Financial Aid Office holds all personal and family financial information in the strictest confidence. Admissions decisions are not influenced in any way by a student's eligibility for financial aid. To apply for financial aid, a student and his or her parents should take the following steps:

- Complete a Free Application for Federal Student Aid (FAFSA) and send it directly to the address on the envelope included with the form. (Forms may be obtained from high-school guidance counselors.) Ask to have a copy of the analysis sent to the University of Delaware (institution code #001431). Applicants may be required to submit Federal Income Tax Forms for both themselves and their parents to the University's Financial Aid Office. A statement of Selective Service Registration Compliance also may be required.
- Apply over the Internet with FAFSA on the Web. Go to www.fafsa.ed.gov and follow the on-screen instructions to fill out the application. Extensive online help is available.

Renewal and Other Candidates. - All students must reapply for financial assistance each year. Awards may be offered for subsequent years, depending on available resources, the need of the applicant and the student's continued enrollment in a degree program (with at least half-time status). **Continuing Education students are not eligible for financial assistance.** All upperclass applicants must follow the same application procedures outlined above for entering freshmen. Students should obtain a FAFSA form from the Student Services Building or apply at: www.fafsa.ed.gov.

Deadline. The priority deadline for financial assistance applications is May 1 prior to the year for which aid is requested.

Students are encouraged to submit the FAFSA form before February 15 in order to meet the May 1 priority deadline. Applicants who apply after May 1 cannot be guaranteed consideration for aid and may be assisted only to the extent that funds are available.

Notification of Aid. A final Notification of Aid, describing the sources and amounts of aid awarded, will be sent to the student before University charges are due. After the student receives notification, he or she must sign and return the appropriate copy. Failure to return the signed copy to the Financial Aid Office will result in the forfeiture of financial assistance.

Financial Aid Recipient Withdrawals. Students who are recipients of Title IV federal financial aid funds and whose enrollment terminates through official withdrawal must have their financial aid award reviewed for adjustment. Title IV federal financial aid funds are as follows: Federal College Work Study, Federal Perkins Loan, Federal Supplemental Educational Opportunity Grant, Federal Pell Grant, William D. Ford Federal Direct Loan Program, and the Federal Direct PLUS Loan Program. The Nursing Loan Program is also a federal financial aid program.

Financial aid eligibility is based on the cost of education (tuition, mandatory fees, housing, meal plan, books, etc.) incurred for the entire semester and is contingent upon completion of that semester. Upon withdrawal, federal regulations mandate that the cost of education be reevaluated and appropriate adjustment(s) of financial aid awards processed.

Federal regulations regarding Title IV refunds are being revised. Please refer to:

www.udel.edu/bill_coll/TITLEIV.html

for updated information, or contact the Office of Scholarships and Financial Aid at (302) 831-8761 with questions or concerns.

Failure to Withdraw Officially. Students are required to adhere to the University's official withdrawal policy when terminating their enrollment prior to the end of a given term. Failure to officially withdraw will result in the cancellation of any federal financial aid program funds previously awarded for that term. Federal regulations require that funds for ineligible recipients be returned to the financial aid program accounts. Students will be billed for semester charges.

Financial Aid for Students with Previous Baccalaureate Degree. A student who completes his or her first baccalaureate degree is not eligible to receive either a Federal Pell Grant or a Federal Supplemental Educational Opportunity Grant. It is a student's responsibility to indicate receipt of a first baccalaureate degree when completing the Free Application for Federal Student Aid (FAFSA).

Satisfactory Academic Progress. Federal Title IV assistance programs require students to maintain progress toward a degree. These federal programs include the Federal Pell Grants, Federal Supplemental Educational Opportunity Grants, Federal Perkins and Nursing Loans, Federal College WorkStudy Program, and Federal Direct Loans (Subsidized, Unsubsidized, and PLUS). Undergraduate satisfactory progress for financial aid purposes requires:

- a. Completion of a degree within six years of full-time attendance or its equivalent;
- b. a cumulative grade point average of C (2.0) after 60 or more attempted hours; and
- c. successful completion of 67 percent of credit hours attempted.

Academic records will be reviewed at the end of each spring semester. Students who fail to make satisfactory progress will be ineligible for financial assistance.

Student Consumer Rights and Responsibilities. A student who receives financial aid from the University has the following rights:

- To know the costs of attendance to the institution; to know all available sources of Financial Aid; to be informed of all aspects of the Financial Aid package awarded, including determination of need and disbursement of aid; to know the academic expectations of the institution; and to know the institution's refund policy.

A student also has the following responsibilities:

- To apply for aid by the established University deadline; to report any outside awards to the University Financial Aid Office; to remain in good academic standing and make appropriate academic progress; to comply with loan repayment schedules established; and to report any changes in family or student financial status to the Financial Aid Office. Financial Aid recipients also are responsible to report to the Dean of Students, the Student Loan Office and the Financial Aid Office when they withdraw from school.

For additional financial aid consumer information, stop by the Student Services Building, or call (302) 8318761. The Account Services Office, the Undergraduate Admissions Office, the Graduate Studies Office, and several University publications can also provide pertinent information about the University's financial aid programs.



RESOURCES FOR STUDENTS

- **One-Stop Shopping at the Student Services Building**
- **The Rich Resources of the University Library**
- **Our Campus Computer Network Helps You Live and Learn**
- **Visit the Office of the Associate Vice President for Campus Life with Student Life Issues**
- **Academic Advisement to Keep You on Track**
- **Maximize Your Academic Performance**

ONE-STOP SHOPPING AT THE STUDENT SERVICES BUILDING

The Student Services Building on Lovett Avenue on the Newark campus provides students with "one-stop shopping." At this facility, students can quickly and easily complete a wide range of administrative tasks, including registering for courses, changing course selections, obtaining I.D. cards, parking permits and unofficial transcripts, printing copies of their course schedules, tuition and fee payment, financial aid, flexible spending accounts, and dining services.

THE RICH RESOURCES OF THE UNIVERSITY LIBRARY

The University of Delaware Library includes a rich array of electronic and print resources. The Library includes the Hugh M. Morris Library, where the main collections are housed, three branch libraries on the Newark campus - the Agriculture Library, the Chemistry Library and the Physics Library - and a fourth branch, the Marine Studies Library on the Hugh R. Sharp Campus in Lewes, Delaware.

The collections parallel the University's academic interests and support all disciplines. Books, electronic databases and books, electronic journals, periodicals, microforms, government publications, electronic databases and software, maps, manuscripts, media in video and DVD format, and Internet access provide a major academic resource. Library staff members provide a wide range of services, including assistance with electronic library resources, reference assistance, interlibrary loan, instructional programs, and assistance to users with disabilities. The Library's AskRef Live! service provides online live reference service many hours of the week.

Over 2,500,000 volumes of books and journals, more than 6,000 electronic journals, more than 190 databases, as well as more than 3,300,000 items in microtext are included in Library collections. The Library's resources are broadly based and comprehensive, with emphasis on the social sciences, humanities, science and engineering. Library Special Collections of rare books and manuscripts include the Delaware Collection; the Unidel History of Chemistry Collection; the

- **Need Help with Math?**
- **Improve Your Writing Skills**
- **Supporting the Academic Success of All Students**
 - **A.S.P.I.R.E.**
 - **Fortune Program**
 - **NUCLEUS**
 - **RISE**

Unidel History of Horticulture and Landscape Architecture Collection; manuscripts, such as the papers of Emily Coleman, Tennessee Williams and William Butler Yeats; and archives, including those of *American Poetry* and the Bird and Bull Press. Library Digital Projects including the University of Delaware Library Postcard Collections with more than 2,000 images of Delaware is accessible online at www.lib.udel.edu/digital/.

The Library is a depository for publications of the U.S. Government and for all patents issued by the U.S. Office of Patents and Trademarks.

The Morris Library provides seating for approximately 3,000, more than 200 public access Internet workstations, more than 175 wired Internet ports and wireless Internet access in much of the Library for laptop users. The Library Computing Site, located on the Lower Level, provides 46 computer workstations with access to applications software as well as the Internet. The Morris Library also includes a large Reserve Room designed for quiet study, group study rooms, a periodical reading room, a Special Collections area including an exhibition gallery and a reading room with a controlled environmental system for rare materials, Instructional Media carrels and Media Viewing Room, and an Assistive Technology Center with special equipment and computer access.

The University of Delaware Library Web (www.lib.udel.edu/) offers access to the Library's vast electronic resources, including DELCAT, the University's online catalog (delcat.udel.edu/).

The Library provides online electronic access to more than 190 databases, including a large number of full-text databases with full electronic articles, as well as many reference databases in all disciplines. Electronic library resources are accessible to University of Delaware students, faculty and staff from residence halls, offices and buildings throughout the University, and to University users from off-campus using a UD computing account. The Library Web page serves as a gateway research tool and provides access to electronic resources on the Web, including those licensed for UD faculty, staff, and students. To assist users in navigating the Web, the Library has created more than 100 subject Web pages in academic disciplines. Each subject web page includes a "Guide to Internet Resources" which points to a selection of some of the best Web sites in each subject area.

The Library is a member of the Association of Research Libraries, the Center for Research Libraries, CIRLA (Chesapeake Information and Research Library Alliance), and PALINET, through which it is connected online to OCLC, the Online Computer Library Center.

For further information, call (302) 831-2965. For Library hours, call (302) 831-BOOK (2665), or check the Library Web site: www.lib.udel.edu/.

OUR CAMPUS COMPUTER NETWORK HELPS YOU LIVE AND LEARN

The information technology resources available at the University of Delaware are unparalleled. The University's commitment to providing a superior technology environment enables students and faculty to pursue academic studies and to conduct the business of campus life with ease and efficiency.

Students use a wide range of technology in their academic work. In all disciplines, students will use electronic mail, word processing, and tools to search the Internet for information. Many academic departments have dedicated computer labs to teach students discipline-related applications. These include the humanities, social sciences, physical sciences, business, engineering, agricultural sciences, marine studies, education, human services, nursing, and health and exercise sciences.

All University classrooms are connected to the campus network, enabling faculty to use a wide variety of multi-media services and devices in their teaching. Many faculty use a course management system or other web tools to enhance their courses. Many classrooms have connections at student seats to facilitate use of laptop computers. And a number of areas on campus have wireless connection capability. Instructional video is broadcast by the University television network and many classes include special viewings as part of course requirements.

Students can connect their own computers directly to the campus network from their residence hall rooms. Off-campus students can dial-in to the network from all regions of Delaware as well as parts of Maryland. Several general access computing sites (www.udel.edu/sites/) are available for student use on campus, and these have network ports to connect laptop computers. Students receive an allocation of 100 pages every six months that can be printed without charge in these sites. For more information about the printing policy, students can read the details at www.udel.edu/topics/printless/. The Morris Library carrels also have network ports.

ANSWERS TO YOUR QUESTIONS ABOUT COMPUTERS ON CAMPUS

Where can I get information about computer hardware and software? The Technology Solutions Center (TSC) can help you decide which computer products are best suited to your needs. You can study literature from vendors and try out the systems on display. The TSC (located in Room 002B Smith Hall) is open Monday through Friday from 8:00 a.m. to 5:00 p.m. You can call the TSC at (302) 831-8895, send e-mail to tsc-info@udel.edu, or browse its web site (www.tsc.udel.edu).

What computer should I bring to campus? If you plan to bring a computer to campus, you must bring one that meets the University's current minimum configuration. Because computing technology is changing rapidly, please refer to the TSC's web site (www.tsc.udel.edu) or call (302) 831-8895 for the most up-to-date information regarding minimum system requirements.

How do I connect my computer to the campus network? It depends! Browse the IT Help Center's web site (<http://www.udel.edu/help>) for the most up-to-date information about

connecting. Choose the desired topic from the site's Topic Index. For example, choose "R" for "Residential network computing" or "Residence hall ethernet connection," "E" for "Ethernet," "D" for "Dial-In (PPP connection)" or "P" for "PPP (dial-in connection)."

If you are connecting from home using a high-speed connection (DSL or cable modem), link to: www.udel.edu/topics/highspeed.htm to find information you need to use these services with the campus network.

For further information, call the IT Help Center at (302) 831-6000.

VISIT THE OFFICE OF THE ASSOCIATE VICE PRESIDENT FOR CAMPUS LIFE WITH STUDENT LIFE ISSUES

The Office of Campus Life is directly responsible for overseeing crisis management, the Judicial System, and Residence Life. In addition, the office can approve student-initiated withdrawals from the University and serves as an advocate for students who are having problems that might affect their educational progress. You can contact the office at (302) 831-8939 or (302) 831-2117.

ACADEMIC ADVISEMENT TO KEEP YOU ON TRACK

Academic advisement is available to all students. Assignment of students to advisors is coordinated by their college or major department. To find out who your faculty advisor is, call your major department or academic dean's office, or go to the SIS+ Personal Access web site at: www.udel.edu/registrar/sispa1.html. Students who have not yet declared a major are placed in the University Studies program and are advised by professional staff and faculty affiliated with the University Advisement Center.

Academic advisors can help students with course selection, choice of major, maintaining progress toward a degree, career goals, and selection of graduate or professional schools. All freshmen are required to consult with an advisor and obtain the advisor's approval for course selection for the next semester. Academic advisors can also provide referrals to support services for students who need help with personal, medical, or other issues. **Successful undergraduate students tend to be those who meet with their advisors at least once each semester.**

Graduate students usually work one-to-one with their faculty advisor or thesis/dissertation director. In some departments, the student's thesis/dissertation committee members may also provide advisement. The graduate student's advisor is generally agreed upon at the time of admission or soon after.

Current and potential continuing education students should consult the Adult Centers for Continuing Education Student Services (ACCESS) (see: www.continuingstudies.udel.edu/access) for career counseling and interest assessment, educational planning and academic advisement, and administrative assistance. Offices are located in Newark at Pencader Dining Hall; in Wilmington at the Wilmington Campus Student Services Center, at 2800 Pennsylvania Ave., and at the UD Downtown Center at 8th and King Streets; in Dover at the Terry Campus of Delaware Technical & Community College (Room 214, Main Building); and in Georgetown at the William A. Carter Partnership Center on the Owens Campus of Delaware Technical & Community College. Daytime and weekday evening appointments may be arranged by calling (302) 831-2741 in Wilmington/Newark, (302) 741-2793 in Dover, or (302) 855-1630 in Georgetown. Administrative help is available for those planning to register for credit and noncredit courses.

MAXIMIZE YOUR ACADEMIC PERFORMANCE

The Academic Services Center offers activities that provide undergraduates with extensive academic assistance, through **individual tutoring, group study sessions, academic success and study skills workshops, personal and social advising, and referral assistance**, throughout the year. These programs and activities are designed to help students maximize their academic performance while pursuing degree programs.

TUTORIAL SERVICES: Individual and group tutoring are available in a wide range of subject areas. All tutors have faculty recommendations and are screened by the Academic Services Center. In addition to the services mentioned above, the ASC publishes a directory of tutors for students who wish to select and pay for their own tutors. This **TutorFind** directory is available in the Academic Services Center lobby and is updated regularly.

LEARNING DISABILITIES/ADHD SERVICES: Students with documented learning disabilities and/or ADHD receive accommodations as determined by the University's Documentation Review Committee (DRC). Documentation guidelines are available online and at the ASC.

Individual accommodations are provided on a case-by-case basis. In addition to providing eligible students space in the Test Accommodations Center (TAC) for extended time in a reduced-distraction setting, LD/ADHD staff members may provide other assistance, including referrals to other ASC and UD supportive services.

THE SUMMER ENRICHMENT PROGRAM, an academically intensive five-week residential program, is offered to a limited number of incoming freshmen who have been accepted to the University and who would benefit from these academic support activities prior to their first semester. This program enables selected freshmen to become acclimated to the campus, giving them an opportunity to take coursework in mathematics, English, and study skills, and to participate in a variety of academic support and enrichment activities.

THE JOHN HENRY TAYLOR SCHOLARS PROGRAM is designed for students pursuing baccalaureate degrees in the fields of mathematics and science. Participants include students who are underrepresented in these fields with regard to ethnicity, socioeconomic status, and/or educational preparedness. John Henry Taylor Scholars are given the opportunity to participate in individual and group tutorials, mentoring, study skills, and enrichment activities. The program is designed to assist academically able students and provides opportunities for leadership. John Henry Taylor Scholars are invited to begin their studies in the Summer Enrichment Program.

THE STUDENT SUPPORT SERVICES PROGRAM (SSSP) is a comprehensive support service that combines academic, personal and career counseling, tutoring, cultural enrichment, personal advocacy and mentoring for students who meet program eligibility guidelines. The primary objective of the Student Support Services Program is to equip qualified students with the skills and resources necessary for academic success and, ultimately, college graduation. The program is funded by the U.S. Department of Education. University of Delaware undergraduates, who will be the first in their immediate families to graduate from college with a four-year college degree, students who come from limited income backgrounds, and students who have a documented disability are encouraged to apply for the program.

For more information, please contact the Academic Services Center, 148-150 South College Ave., Newark, DE 19716, (302) 831-2805 or visit:

www.udel.edu/ASC.

NEED HELP WITH MATH?

The Math Tutorial Site provides free tutorial assistance and other resources for students of Intermediate Algebra (MATH 010), College Math and Statistics (MATH 114, MATH 170), Precalculus (MATH 115, MATH 117, MATH 171) and Calculus (MATH 241, MATH 221). The Tutorial Site provides math problem assistance (limited tutorial assistance in mathematics by qualified undergraduate students, and graduate students). It also has solution manuals to most of the math textbooks of courses mentioned above, and a library of Algebra, Precalculus, and Calculus textbooks. The Tutorial Site is located in 106 Ewing Hall. Students who would like information about private math tutors should contact the Academic Services Center at (302) 831-2805.

IMPROVE YOUR WRITING SKILLS

The University Writing Center offers individualized consultations in writing to University students. Students at any level and from any discipline may attend the Center, at no charge. Students may schedule consultations on a one-time basis, or they may set up a regular course with an instructor. Writing Center instructors work both with writers who need an intensive program to succeed in University course work and with writers hoping to improve a particular aspect of their writing. Consultants are prepared to discuss any aspect of a student's writing: they can help writers decide on a topic, organize information, revise a draft, document sources, or self-edit for grammar, logic, spelling, word use, and punctuation. The emphasis of writing conferences is on teaching students to revise and edit their own work. In addition, the Center offers advice on pre-writing strategies, essay exams, documentation styles, and thesis or dissertation writing.

The Writing Center also offers workshops upon request on such topics as writing research papers, writing in the different disciplines, preparing for essay exams, MLA and/or APA documentation, and using correct grammar and punctuation. International students may also attend the Writing Center for help with their communication skills.

Staff at the Writing Center include experienced full-time and part-time faculty, teaching assistants from the Department of English, and undergraduate peer tutors from the Honors Writing Fellows Program. The Center, located in 016 Memorial Hall, is open from 9:00 a.m. to 12 noon and 1:00 p.m. to 5:00 p.m. Monday through Friday, and from 6:00 p.m. to 9:00 p.m. Monday through Wednesday. Although appointments are not always required, students are encouraged to reserve a time by calling the Center at (302) 831-1168. See the Center's website at: www.english.udel.edu/wc/.

SUPPORTING THE ACADEMIC SUCCESS OF ALL STUDENTS

The University is committed to creating an educational community that is intellectually, culturally, and socially diverse, enriched by the contributions and full participation of people from different backgrounds. As part of its strong commitment to support a diverse student population, the University offers a number of programs and services for students in particular fields of study. These programs have been highly successful in supporting the success of students from underrepresented groups and those who face challenging social, economic, educational, or other life circumstances.

A.S.P.I.R.E. (Academic Support Programs Inspiring Renaissance Educators) is housed within the Delaware Center for Teacher Education and encourages undergraduate students to pursue a career in teaching. The program provides students with academic

support through regular meetings with their ASPIRE (academic) advisor. In addition, tutors, study skills classes and study groups are available to ensure student's success. In scheduled meetings with students in the various teacher education majors, students can discuss areas of professional development and mutual interest in a collegial atmosphere. For further information, call (302) 831-1641 or visit: www.udel.edu/dcte/aspire/index.html.

THE FORTUNE PROGRAM is a comprehensive support program for students in the Alfred Lerner College of Business and Economics. Major components of the program include a comprehensive academic enrichment program and a year-round professional development program. Services include special academic advising, tutoring and academic monitoring, corporate professional development opportunities and career/graduate school advisement and guidance. For further information, call (302) 831-4369 or visit: www.be.udel.edu.

NUCLEUS is an interdepartmental program in the College of Arts and Sciences. Funded by the Howard Hughes Medical Institute's Undergraduate Science Education Program, its goal is to recruit, retain and graduate academically talented students majoring in the sciences. NUCLEUS assists such students in attaining their bachelor's degrees and encourages them to pursue advanced degrees in the sciences. Concentrating on mentoring and student advisement throughout the undergraduate career, this program provides comprehensive academic enhancement services. Academic monitoring, community outreach and undergraduate research opportunities create an environment that encourages positive integration and academic achievement.

For further information, call (302) 831-3095 or visit: www.udel.edu/NUCLEUS.

RISE (RESOURCES TO INSURE SUCCESSFUL ENGINEERS) is a comprehensive support program for students in the College of Engineering. A key component of the RISE program is the summer bridging experience, which takes place before the freshman year to provide a transitional period for incoming freshmen through a strictly regimented schedule, mandatory study halls and tutoring. Throughout their college experience, RISE students receive tutorial assistance, as needed, as well as guidance in time management, academic mentoring, career and professional development workshops, interaction with faculty, student organizational participation and academic achievement recognition. These services are designed to promote academic and career related success. For further information, call (302) 831-6315 or visit: www.udel.edu/engg/rise/.

ENSURING THAT ALL STUDENTS FEEL WELCOME

The University is committed to creating an educational community that is intellectually, culturally, and socially diverse, enriched by the contributions and full participation of people from different backgrounds. Toward that end, the University seeks to increase the racial and cultural diversity of its student body, faculty, and staff, to create a climate that encourages all members of the University community to respect and appreciate individual and cultural differences, to promote equity for people of different backgrounds in all areas of University life, to develop organizational practices that involve the participation of diverse groups, and to enhance the curriculum by including the perspectives of different races, cultures, and genders. The Commission to Promote Racial and Cultural Diversity (www.udel.edu/diversity/) guides the University in carrying out these goals. Members of the commission are appointed by the President.

Promoting an improved environment for all students, faculty and staff is a primary goal of the Office of Affirmative Action and Multicultural Programs, which supports the functions of the Affirmative Action Office, the Campus Diversity Unit, including the

Center for Black Culture, the Office of Women's Affairs, the Lesbian, Gay, Bisexual, Transgender (LGBT) Community Office, the Hispanic and Latin American Concerns Office, the ADA Office, and the caucuses of the Commission to Promote Racial and Cultural Diversity.

Matters related to discrimination based upon race, ethnicity, gender, class, sexual orientation, disability, religion and acts of intolerance are addressed by this office. The office plans educational workshops for the campus community, drawing upon the talent and experience of faculty and staff. Under the leadership of the Assistant Vice President for Affirmative Action and Multicultural Programs, the office seeks to foster a greater awareness and understanding of issues that will promote an improved environment for students, faculty, and staff. The offices are located in Hullahen Hall, rooms 124 and 305-307. For further information, please contact (302) 831-8735.

UNDERSTANDING WOMEN'S ISSUES

The Office of Women's Affairs works with the University community to increase awareness and understanding of women's issues, including gender bias in the classroom, acquaintance/date rape and sexual assault, and women's health and career concerns. The office coordinates programs and supportive services that encourage women to develop their intellectual talents, achieve academic objectives, identify long-term goals, and participate equally and fully in society. Support and confidential advice for women and men with concerns, including sexual harassment and possible grievances, are available. Call (302) 831-8063 for more information or visit www.udel.edu/OWA.

The University is committed to achieving equity for women and to responding to their concerns in all University endeavors. The Commission on the Status of Women (CSW—see www.udel.edu/CSW/), which reports to the President of the University, consists of faculty, staff, and students. The CSW identifies problem areas, makes recommendations for change, and works closely with the Office of Women's Affairs and other units to implement change. Recommendations have been implemented in the areas of safety; sexual assault; sexual harassment; sexism in the classroom; salary equity; child care; and recruitment, promotion, and retention of women. The CSW also initiates programs on women's and gender issues. The CSW sponsors awards and funding programs to recognize women's accomplishments, as well as the accomplishments of those men who work to promote women's issues. This includes the Student Travel Award Program, which provides funding for students presenting scholarly papers and participating in panel discussions.

IS ENGLISH YOUR SECOND LANGUAGE?

The English Language Institute is a University support service for foreign students who need to improve their language skills for graduate or undergraduate study. The Institute offers six levels of intensive language instruction, which address listening, speaking, reading and writing skills. For graduate and undergraduate students, the Institute offers two courses in English for academic purposes. One focuses on developing the oral/aural skills necessary for such academic activities as note taking, oral presentations, and seminar discussions, and the other emphasizes composition skills necessary for research and college writing and reading skills for improving speed and comprehension. Students in the Institute receive tutoring as well as access to computer-assisted instruction. Additional programs offered by the Institute include a testing preparation course to develop skills and strategies for taking the language proficiency sections of such tests as the TOEFL, business English courses, a semi-intensive evening program, and a PRE MBA program. Private

tutoring in language skills also is available. Discounts are available for spouses of graduate students and visiting scholars; fee waivers are accepted for full time employees and their qualified family members. The Institute is located at 189 West Main Street, Newark, DE. For further information, call (302) 831-2674 or visit www.udel.edu/eli.

WELCOMING MEMBERS OF OUR INTERNATIONAL COMMUNITY

Foreign Student and Scholar Services offers a support system for students - both undergraduate and graduate - as well as for students in the English Language Institute, and visiting scholars and their immediate families.

Services include immigration regulations, academic and personal counseling, and cultural adaptation. Information on travel abroad and travel advisories are available. Foreign Student and Scholar Services is located at 30 Lovett Ave. For more information, call (302) 831-2115.

KEEPING OUR STUDENTS HEALTHY

The Student Health Service (SHS), nationally accredited by Accreditation Association for Ambulatory Health Care (AAAHC), located in Laurel Hall on the south end of the The Green, provides out-patient and in-patient medical services for all undergraduate and graduate students. The SHS is staffed by well-trained, fully licensed professionals. The physician staff are board certified, board eligible, or fellowship trained in the following specialties: family practice, pediatrics, gynecology, internal medicine, sports medicine, and adolescent medicine.

SHS physicians and nurses are available to see patients from 8:00 a.m. to 4:30 p.m., Monday through Friday. On-call physician coverage is maintained for telephone consultation on nights and weekends when the SHS is open. Students may see nurses, nurse practitioners, or physicians by appointment. Students without appointments are screened by a triage nurse; seriously ill patients are seen immediately and may be referred directly for hospital emergency care. Other patients are treated or scheduled for further care based on the urgency of the illness or injury.

Services include X-ray and laboratory testing, surgical treatment for minor lacerations, EKG testing, non-operative orthopedic services, University of Delaware Emergency Care Unit (UDECU) hospital transport services and consultation and referral for complex medical cases. Out-patient services also include an immunization clinic for allergy injections, routine immunizations and travel vaccines, gynecologic service, and a sports medicine clinic in the Bob Carpenter Sports/Convocation Center. Many prescription and over the counter medications are available in the SHS Dispensary. A number of prescription card plans as well as most major credit cards, checks, and cash are accepted for these medications. The SHS also provides equipment (sharps containers for lancets, needles, etc.) and information on the availability of other services on campus for the handling of infectious medical wastes (e.g., material contaminated with blood or other potentially infectious materials). Through its Self-Care Cold Clinic and Self-Care Wound Clinic, the SHS supports students with educational materials and some complementary over-the-counter medications, providing self-directed care for minor health problems.

The SHS also assists a sexual offense support (SOS) group to help survivors of sexual offense, and to provide individual education on acquaintance/date rape awareness and prevention.

All full-time students are eligible for these services and are charged the semester and winter session health fee. This fee covers all costs except X-rays, prescription drugs, orthopedic appliances, private ambulance services, some special injections, P.P.D. tests, off-

campus medical referrals and laboratory testing sent to private labs. The student health fee also supports the mental health services offered through the Center for Counseling and Student Development. Part-time matriculated students can receive health services by paying the health fee for full coverage, or by purchasing a particular service. The University sponsors an optional accident and sickness insurance program for all admitted full- and part-time students. All services listed are provided as of January, 2004 and are subject to change. For more information, call (302) 831-2226 or visit www.udel.edu/shs. To ensure confidentiality, do not use e-mail to correspond with SHS practitioners on personal health issues.

COUNSELING CARE TO MEET YOUR NEEDS

Services at the Center for Counseling and Student Development include individual counseling, group counseling, career development programs, a career library, para-professional training, special interest workshops and consultations with University groups and individuals. These services are available to all matriculated students who pay the Student Health fee. The Center is staffed by psychologists, psychiatrists, and counselors who are trained to assist college students achieve their full academic potential, make realistic career and education plans and work toward resolution of personal concerns. At the Center, students may freely discuss, in a confidential and professional setting, any concerns they may be experiencing. The Center also serves as a referral agency by helping students who need specialized assistance to locate appropriate campus and offcampus resources. To make an appointment with a counselor, visit or call one of the campus centers: Room 261, Perkins Student Center (302) 831-2141 or 209 Laurel Hall (302) 831-8992. More information can be found at www.udel.edu/counseling.

Wellspring is a comprehensive health education program sponsored by the Center. The program focuses on preventive health care and is designed to help people in the University community evaluate, maintain, and promote their own health. To contact Wellspring, call (302) 831-8992 or visit the office at 209 Laurel Hall. More information can be found at : www.udel.edu/wellspring.

HELPING ATHLETES MEET ACADEMIC GOALS

The University of Delaware is committed to promoting the academic and athletic achievement and personal development of its student-athletes. Toward that end, Student Services for Athletes (SSA) - a comprehensive program of support and life skills development - assists student athletes with making the best possible academic and personal adjustment to the University.

The staff of Student Services for Athletes works closely with coaches, faculty, and student services personnel to help student-athletes balance the demands of their academic responsibilities and participation in athletics. Student Services for Athletes directly assists student-athletes through counseling, academic support, workshops and programs, teaching, and publications.

SSA also serves student-athletes through co-sponsorship of the student-athlete advisory council and the HENS peer mentoring program. The program serves the professional community through its research, training, and consultation activities, and by publishing and presenting to other professionals providing support services to student-athletes.

The SSA staff is comprised of professional staff, graduate students, and interns in both counseling psychology and athletic counseling, all experienced in general counseling issues as well as issues specific to student-athletes.

For additional information, please contact the offices of Student Services for Athletes in 108-G Delaware Field House, telephone (302) 831-4571, or visit the SSA web site at www.udel.edu/ssa.

ACCESSIBILITY FOR STUDENTS WITH DISABILITIES

THE AMERICANS WITH DISABILITIES ACT (ADA) OFFICE

The ADA Office is committed to providing equal access for students with permanent, documented physical and emotional disabilities. The Americans with Disabilities Act Office assists students to be independent through reasonable accommodations that are determined on a case-by-case basis. It is the student's responsibility to self-identify as early as possible and meet with the Program Coordinator to discuss individual needs for access to programs and services. Please contact the ADA Coordinator by phone (302) 831-3670/4643, by TDD (302) 831-4563, by FAX (302) 831-3261, by e-mail, dfarris@udel.edu, or visit the web site at www.udel.edu/ADA. The office is located at 413 Academy St., Room 165, Newark, DE 19716.

THE ACADEMIC SERVICES CENTER-STUDENTS WITH LEARNING DISABILITIES AND/OR ADHD

The Academic Services Center (ASC) is committed to providing equal access for students with documented learning disabilities and/or ADHD. The University's Documentation Review Committee (DRC) reviews documentation submitted by students who request accommodations. Eligibility for reasonable accommodations is determined on a case-by-case basis utilizing established documentation guidelines. Students with disabilities who qualify for accommodations at both the ADA Office and the ASC may be accommodated at either location depending upon their needs. Please contact the Academic Services Center by phone (302) 831-2805/1639, or visit the web site at www.udel.edu/ASC. The ASC is located at 148-150 South College Ave., Newark, DE 19716.

Students with temporary disabling conditions should contact the Americans with Disabilities Act Office (ADA) to discuss temporary accommodations.

PREPARE FOR FUTURE SUCCESS WITH CAREER SERVICES

The MBNA Career Services Center offers career planning, experiential, and job placement programs to provide matriculated students with a variety of opportunities to learn about and prepare for eventual careers. Career planning and experiential programs are available to students at all academic levels, while job search services are directed to students in the final year of their degree program. Assistance is also available to alumni.

Experiential programs provide an excellent means for exploring career alternatives and building one's resume. These include the (credit and non-credit), internships, volunteer opportunities, and part-time and summer jobs. Resources are available for locating local, regional, national, and international internship and volunteer placements. Both undergraduate and graduate students may participate in these opportunities concurrently with classes, in the Summer or Winter Sessions, or during leave of absence from the University. Positions relate to a wide variety of academic disciplines. Part-time and summer jobs in the region are listed online at www.udel.edu/CSC/. Internships are managed by eRecruiting. Registration with Career Services is necessary for participation.

Career planning programs are available to assist students in preparing for employment. A special workshop series covers such topics as resume writing, vita and dossier preparation, interview techniques, and job search strategies. These and other programs are offered to students and alumni throughout the year. Career News appears online twice a year to share information about these special programs and other topics of career interest with students, faculty, and administrators. The Career Center web site provides an updated listing of all programs. Students also may discuss career-related concerns in individual interviews with professional staff members.

The Career Resource Center, a comprehensive library of career-related information, contains materials for students to use on site and online. Resources include books; experiential opportunities; trade publications; employer directories; occupational literature; graduate and professional school information; full-time vacancies; and part-time and summer job openings. Videotapes and cd's enable students to experience simulated interviews, learn company background information, and view career programs. Computer terminals in the Career Resource Center provide access to the World Wide Web. The center's home page (www.udel.edu/CSC/) introduces students to career-related events, job listings, employer information and graduate and professional schools worldwide.

Employment Services, including a Campus Interview Program, Credential Service, Resume Referral Service, job fairs, and employer information are available to UD students nearing completion of their academic degrees. The Campus Interview Program includes more than 300 business, industry, government, and service organizations who visit the campus annually. An additional 500 employers participate in the twelve job fairs offered each year. The Credential Service provides a centralized repository for reference materials for students and alumni.

The MBNA Career Service Center is located at 401 Academy Street. For further information on the Experiential Program or Credential Service, call (302) 831-1232. For general information, call (302) 831-8479, and for information on the Campus Interview Program, call (302) 831-2391 or visit www.udel.edu/CSC/.

STANDARDIZED TESTING AT YOUR CONVENIENCE

The Registrar's Office offers GRE, GMAT, TOEFL, and PRAXIS testing at the Computer Based Testing Center located in Alison Hall Room 223. Testing appointments are available during the day on weekdays and Saturdays, and two evenings a week. To make an appointment call the Testing Center's office at (302) 831-6717 Monday through Friday.



STUDENT LIFE AND ACTIVITIES

- **The Life of a Student Beyond the Classroom**
- **Student Government Represents You**
- **More than a Roof Over Your Head in the Residence Halls**
- **Our Centers of Student Life**
- **Explore Campus Religious Opportunities**
- **A Vibrant Cultural and Intellectual Community**
- **Showcasing Black Culture**
- **Musical Opportunities for All Students**
- **Expand Your Horizons at University Museums**

THE LIFE OF A STUDENT BEYOND THE CLASSROOM

The Office of Campus Life endeavors to create a world-class, student-centered, living and learning environment that educates students to become the next generation of innovative leaders, outstanding professionals, and active and contributing citizens. In pursuit of this vision, the Campus Life mission is to work with academic units of the University to provide programs, activities, services, and facilities that foster student achievement of the following interrelated ideals: Academic Success; Leadership Development; Integrity - Academic, Personal, Professional; Responsibility - Personal, Social, Civic; School Spirit and Pride; Wellness - Physical, Psychological, Emotional, Spiritual; Just and Civil Campus Community; Appreciation of Diversity; Career Awareness and Preparation; and Independence and Maturity. By extending the education process beyond the classroom, Campus Life provides opportunities for learning through involvement in student organizations, cultural and social activities, lecture series, and volunteer and community service.

The Office of Campus Life is committed to advocating for the rights and dignity of each student. We recognize that students come to our campus from a variety of backgrounds and with differing levels of experience in self-direction and self-governance. Therefore, when difficult situations arise, we stand ready to assist students in finding solutions to their problems through the many services provided by Campus Life.

Generally, University activities are open to both undergraduate and graduate students, but graduate students must pay nominal fees for some activities that are free to undergraduates. A calendar of events of interest to students is published on-line at www.udel.edu/studentevents, at www.mis4.udel.edu/udaily/UDaily.

STUDENT GOVERNMENT REPRESENTS YOU

THE DELAWARE UNDERGRADUATE STUDENT CONGRESS (DUSC) is the official student governing body of which all matriculated undergraduate students are considered members. This organization assumes the responsibility of self-government, as delegated by the University faculty and administration. Its overall charge is to identify

- **The Ink and Airwaves of Student Communications**
- **Join an Organization, or Start Your Own**
- **Fraternity and Sorority Life**
- **Blue Hens Winning Spirit**
- **The Sporting Life**
- **Helping You Stay Safe and Sound**
- **Your Car and Our Campus**
- **Identify Yourself**

the needs of students and bring them to the attention of the administration, faculty, and City of Newark government officials. DUSC interprets University policy to the student body and represents the approximately 170 Registered Student Organizations to the university administration.

DUSC consists of six executive officers elected through a campus wide vote. Committee chairs and members provide leadership for a variety of administrative and academic responsibilities. In addition, DUSC appoints student representatives to University faculty, student and Board of Trustees committees. For further information, call (302) 831-2648, or visit the DUSC website at: <http://copland.udel.edu/stu-org/dusc/>.

THE GRADUATE STUDENT SENATE (GSS) presents a forum through which graduate students from all the University of Delaware departments and programs can come together to share information, to represent graduate student opinion, and to discuss issues that affect graduate students. The GSS acts as an advocate for graduate students while fostering collegiality and professionalism. The GSS is charged broadly with several principal duties:

- To foster a sense of connection among graduate students in all departments.
- To represent an informed consensus of graduate student opinions and to advocate for those positions.
- To serve as a forum for discussion of issues that affect graduate students, and as a vehicle for action on those issues.

Each graduate academic program or department is invited to send up to two representatives to the GSS. A list of Graduate Student Senators and other information about the GSS is available on the GSS website at:

<http://copland.udel.edu/stu-org/GSSenate/gss/index.html>.

MORE THAN A ROOF OVER YOUR HEAD IN THE RESIDENCE HALLS

PHILOSOPHY.

The residence program is a vital part of the educational mission of the University. The environment is designed to assist students in meeting the developmental challenges faced during the college years,

including creating adult-to-adult relationships with parents, gaining a sense of confidence, becoming autonomous, selecting a career, and clarifying values. Professional staff oversee each residence complex. The hall director, assisted by upperclass resident assistants, aids students in developing social, recreational, and cultural programming. Students are expected to be constructive contributors to a positive residence hall community. This responsibility includes both respecting the rights of others and asserting one's own rights. Residence Life staff members play a crucial role in assisting students to develop a positive living environment. Staff members not only help with personal and academic matters, but also work with students so that they share responsibility for upholding policies designed to protect the rights of all individuals.

NON-SMOKING POLICY.

To further ensure the health and safety of the University community, all University-owned student housing on the Newark campus is smoke-free.

SINGLE UNDERGRADUATE HOUSING.

The University offers a number of housing options to suit the needs of single undergraduates:

- Traditional residence halls contain double rooms, single rooms, and some triple/quad rooms with shared bathroom facilities. A limited number of rooms share adjoining baths.
- The Pencader complex features single and double rooms, each with an outside entrance and direct access to bathroom facilities that serve six or twelve students.
- The Ray Street halls offer suite-style housing with two double rooms sharing an adjoining bath. The Ray Street complex accommodates students in Special Interest Housing communities as well as students not affiliated with these programs.
- The Christiana Towers apartment complex features furnished one- and two-bedroom units with bath, kitchenette, and a living/dining room.
- Many special living options are available in undergraduate housing. Some of these options are Living-Learning Communities, Honors Housing, Special Interest Communities, Study Abroad Floor, Wellness Community, and the Kosher option (Christiana Towers only).

Cable TV, computer network service, and local telephone service are provided in all rooms and apartments. Students provide their own telephones. Common areas for study, recreation, laundry, etc. are available in each complex. Custodial service is provided only for the common areas. The rates include all utilities, local telephone, cable TV service, and computer network connection.

Rooms are furnished with beds, dressers, closets or wardrobes, draperies or shades, study desks and chairs, lighting, and wastebaskets. Students must bring their own linens, pillows, blankets, bedspreads, and study lamps.

All traditional and Ray Street halls are closed during regular vacation periods. Pencader residence halls remain open during vacations, and residents in these buildings may request to remain in their rooms during vacation periods for a nominal additional charge. Christiana Towers apartments remain open during vacations at no additional charge but close, like all other residences, at the end of the spring semester. Students in all areas are required to vacate and remove all personal belongings from their rooms within 24 hours after completion of their last final examination in the spring semester.

A dining plan for winter session and summer session is required for students living in a residence hall during these sessions. Students living in Christiana Towers Apartments, Graduate Student and Family Housing, or off campus may purchase an optional dining plan for winter session or summer session.

Additional information about on-campus housing can be found

online at www.udel.edu/has/. Please write or call Housing Assignment Services at 5 Courtney Street, Newark, DE 19716, (302) UD1-DORM (831-3676), or e-mail UD-Housing@udel.edu.

GRADUATE STUDENT AND FAMILY HOUSING.

Housing Assignment Services offers some or limited on-campus rooms and apartments to assist graduate students in making the transition to the University and Newark communities. These residences are located in west campus.

Single graduate students may choose from one- and two-bedroom apartments in the Conover complex and single rooms in the Graduate House on West Main Street. All apartments are furnished and air conditioned.

Full-time graduate or undergraduate students who want to live with a spouse, children, or other individuals who constitute their family may choose housing in the Conover Apartments. Documentation of the family relationship is required. Most family apartments are furnished.

The occupancy period for graduate and family housing generally runs from August 15 through July 31 of the following year. August rent will be pro-rated depending upon the date of check-in. Monthly rent payments include cable television, local telephone service, computer network service, and all utilities. Students residing in graduate and family housing are not required to purchase a dining plan, although one can be purchased and used in nearby dining halls.

Additional information about on-campus housing can be found online at www.udel.edu/has/. Please write or call Housing Assignment Services at 5 Courtney Street, Newark, DE 19716, (302) UD1-DORM (831-3676), FAX (302) 831-4266, or e-mail grad-family-housing@udel.edu.

OUR CENTERS OF STUDENT LIFE

The John A. Perkins Student Center and the E. Arthur Trabant University Center provide facilities and services for students, faculty, staff, alumni, and the community. The Centers' services include meeting rooms for campus groups, a number of student lounges, copy center, the Bacchus Theatre, the University Bookstore and Campus Shop, a full-service bank, the Hen Zone (recreational game area), a movie theatre, an information center, travel agency, and an exhibition area. The Centers offer billiards and sports television. There are extensive student dining facilities in the Centers.

Many University extracurricular programs are organized through the Student Centers. The Center staff and the Student Center Program Advisory Board (SCPAB) offer film series, "popular" and classical concerts, theatre productions, art exhibitions, and bus tours to nearby cultural and athletic events.

The offices of several student organizations are located in the Trabant University Center including the Delaware Undergraduate Student Congress (DUSC), the Student Center Program Advisory Board (SCPAB), Resident Student Association (RSA), Fraternity and Sorority Life. HAVEN the lesbian gay bisexual student group, WVUD 91.3 FM, and the Review student newspaper are among the student organizations housed in the Perkins Student Center. For additional information, see www.udel.edu/student-centers or call 831-1036.

EXPLORE CAMPUS RELIGIOUS OPPORTUNITIES

Recognition is given to the importance of ethical and moral influences in the development of the individual. Students are encouraged to attend the churches of their choice and to contact their own denominational organizations on the campus. Most denominations are represented in Newark or in nearby Wilmington. In addition, there are a variety of registered student religious

organizations on campus, including Bahai Club, Baptist Campus Ministry, Chabad House, Church and Campus Connection, Episcopal Campus Ministry, Hillel, Intervarsity Christian Fellowship, Campus Crusade for Christ, Lutheran Student Association, Muslim Student Association, Thomas More Oratory, Warriors for Christ, Wesley Foundation, and Word of Life. For further information, contact (302) 831-2428 or see www.udel.edu/student-centers.

A VIBRANT CULTURAL AND INTELLECTUAL COMMUNITY

The Departments of Art, Music, and Theatre, along with the Trabant University Center, the Perkins Student Center, the Center for International Studies, the Student Center Program Advisory Board, the Cultural Programs Advisory Board, and the Performing Arts Series offer a variety of concerts, films, theatre productions, and art exhibitions at the University. In addition, the Center for International Studies, the Student Centers, and the Faculty Senate Committee on Cultural Activities and Public Events bring to the campus many outstanding music, dance, opera, and theatre programs. Bus tours are offered to the Philadelphia Orchestra series at the Academy of Music in Philadelphia, to the Metropolitan Opera in New York, and to selected museum exhibits and theatre productions.

The intellectual life of the University community is enriched by the many outstanding visiting scholars and lecturers who are invited to the campus. A well-established Visiting Scholars Program sponsors many of these scholars, who speak to classes and often present an evening lecture for interested members of the community. Students are given several opportunities to talk with these visitors at luncheons, dinners, or in informal conferences.

The Visiting Minority Scholars Program, sponsored by the Office of Affirmative Action/Multicultural Programs, offers lectures and colloquia by distinguished visiting scholars from underrepresented groups. The Winterthur Program in Early American Culture brings distinguished visiting scholars to the University to spend several days.

During the academic year, many lecture series are offered by academic units throughout the campus, and a number of special university-wide lecture series on topics of national or international interest are sponsored by cooperating units.

For information on all events, call UD1-HENS (831-4367) or visit the UDaily web site at:
www.mis4.udel.edu/udaily/udaily.

SHOWCASING BLACK CULTURE

The Center for Black Culture was established in 1976 to provide support to Black students at the University of Delaware. The Center develops and implements quality educational, cultural and social programs that foster awareness of Black people from the United States, Caribbean and Africa. One of the primary goals of the Center is to educate the broader campus community on issues impacting the Black community by offering programs such as the Annual Black Arts Festival, Kwanzaa, Opening Ceremony of Black History Month, Gospelrama, campus dialogues on race, and a faculty lecture series. The Center has served as host of many notable speakers, including Nikki Giovanni, Cornel West, Bertrice Berry, Jawanza Kunjufu, Dick Gregory, Michael Eric Dyson, Tavis Smiley, and Russell Simmons.

The Center provides leadership and resource support to various student organizations and University departments. The Center houses the Cultural Programming Advisory Board, the Each One Reach One Mentoring Program, the Black Student Union and other Black student organizations. The Center has a conference room, a computer room, a lounge area with library, and a television lounge. The Center is located on 192 South College Ave. For more information, please call (302) 831-2991 or email us at cbc@udel.edu or visit our website at www.udel.edu/CBC.

MUSICAL OPPORTUNITIES FOR ALL STUDENTS

Each year the Department of Music sponsors a full season of recitals and concerts by faculty and student performers. The campus community is invited to attend all performances; many are free, although a small admission fee is charged for some concerts. Information about performance schedules can be obtained by calling (302) 831-2577, or on the web at www.music.udel.edu/public.

Private study (vocal and instrumental) with a Music Department faculty member is available to full-time undergraduate University students on a space available basis. Non-music majors who pass an audition at the start of the semester may be accepted for private study either as music minors (2 credits per semester) or through the Music Merit Award Program (1 credit per semester). Freshman honors students who pass the audition are also eligible for private study (1 credit per semester).

Students interested in performing in a musical ensemble may participate in the Choral Union, Chorale, Collegium Musicum, Opera Workshop, University Singers, Marching Band, Wind Ensemble, Symphonic Band, Jazz Ensemble, University Orchestra, Delaware Steel, and a variety of chamber ensembles. Students need not be music majors, although an audition is necessary for some ensembles. For information on joining a group, call the Department of Music at (302) 831-2577.

The faculty of the Department of Music participate in a number of ensembles including the Del'Arte Wind Quintet, the Faculty Jazz Ensemble, and the Taggart-Grycky Flute and Guitar Duo. Faculty ensembles and soloists perform regularly on campus and may be available for lecture-demonstrations, master classes, or performances. For scheduling information, call (302) 831-8245.

EXPAND YOUR HORIZONS AT UNIVERSITY MUSEUMS

Three museums on the Newark campus provide an opportunity for study of the collections, as well as a place for a casual visit with friends and family. The museums also provide experiential learning opportunities for students interested in careers in the museum field.

MECHANICAL HALL: This newly renovated 1898 building houses the Paul R. Jones Collection of African American Art and related materials. The museum comprises state of the art exhibition space and study facilities. The Inaugural exhibition of the Jones collection, and the opening of the museum, will take place in September 2004.

THE UNIVERSITY GALLERY, located in historic Old College, presents exhibitions of regional and national importance and is a museum repository for art objects and cultural artifacts spanning the ancient period through the present. This collection is widely used by faculty and students on campus.

THE UNIVERSITY OF DELAWARE MINERALOGICAL MUSEUM, located in Penny Hall, is an internationally recognized repository of important mineral specimens from around the world. Its mission is to acquire, preserve, exhibit, research, and interpret minerals and related geological materials for the enjoyment and education of students and the community at large.

For information, call (302) 831-8242; Fax: (302) 831-8251; website: www.museums.udel.edu.

THE INK AND AIRWAVES OF STUDENT COMMUNICATIONS

The student media of the University are the Review student newspaper and The "Voice of the University of Delaware" - WVUD, 91.3 FM radio which are professionally managed and operated by University students.

For more information:

- The Review: www.review.udel.edu or call (302) 831-2771
- WVUD: www.wvud.org or call (302) 831-2701

JOIN AN ORGANIZATION, OR START YOUR OWN

Over 170 Registered Student Organizations provide leadership experiences and special interest opportunities at the University. Students can choose from departmental clubs, professional societies, cultural associations, recreational, social, and educational activities. Call 831-2428 for information or see www.udel.edu/student-centers.

FRATERNITY & SORORITY LIFE

Fraternity & Sorority Life at the University offers students an opportunity to belong to one of the more than 40 active chapters of national fraternities and sororities on campus. The Student Centers oversees Fraternity & Sorority Life and advises all chapters and colonies as well as their respective coordinating councils - the Interfraternity Council, the Panhellenic Council, the National Panhellenic Council, Special Interest Fraternities and Sororities, and the Greek Council.

For information call the office at (302) 831-1296;
www.udel.edu/student-centers/FandS.

BLUE HENS WINNING SPIRIT

The Intercollegiate Athletics Program includes 23 varsity sports, 11 for men and 12 for women, including nationally-recognized programs in football, baseball, men's and women's basketball, men's and women's lacrosse and field hockey. All programs, except football, compete for overall athletic excellence within the Colonial Athletic Association.

Delaware competes for athletic championships in NCAA Division I. The football program competes in Division I-AA through the Atlantic-10 Football Conference. Delaware also competes for regional championships as a member of the ECAC and IC4A. In recent years, numerous University student-athletes have been named CoSida/Verizon Academic All-Americans and seven have been awarded the prestigious NCAA Post-Graduate Scholarship.

The University's athletics facilities are among the finest in the East with the 22,000-seat lighted Tubby Raymond field at Delaware Stadium (football); the Bob Carpenter Center which is a 5,000-seat multi-purpose building that houses the Blue Hen basketball (men's and women's - Acierno Arena) and football programs, as well as some Athletics administrative offices; the 2,000-seat lighted Fred P. Rullo Stadium, an artificial turf facility with two full practice fields that overlap a game field (field hockey, men's and women's lacrosse); the Delaware Field House, which includes one of the region's finest indoor track facilities (men's and women's indoor track & field) and the lighted outdoor Delaware Field House Courts (men's and women's tennis); Delaware Field (softball); Bob Hannah Stadium (baseball); a lighted all-weather outdoor track (men's and women's outdoor track & field) surrounding a grass field (men's and women's soccer); several other game and practice fields and Carpenter Sports Building which is home to Barbara Viera Court (volleyball) and the Harry W. Rawstrom Natatorium (men's and women's swimming and diving). Cross country (men's and women's) competes at White Clay Creek State Park, men's golf competes on local golf courses and women's rowing takes place on the Christina River in Wilmington, DE.

For more information, visit www.udel.edu/sportsinfo or call (302) UD1-HENS (831-4367) for ticket information.

THE SPORTING LIFE

The Recreation Services Program contributes to the individual's overall educational experience through high quality programs, newly

renovated facilities, and services. This is achieved by providing opportunities for involvement in activities that are physically, mentally, and emotionally challenging, and by helping individuals utilize resources that promote ethical and healthy lifestyle choices. The Recreation Services Program includes the following services for undergraduate and graduate students.

OPEN RECREATION.

Carpenter Sports Building is open for recreational use Monday through Friday from 6:45 a.m. to 11:00 p.m. (closes at 9:00 p.m. on Fridays), on Saturday from 10:00 a.m. to 8:00 p.m. and Sunday from 12:00 noon to 10:00 p.m., except when special events are scheduled. **Between 8:00 a.m. and 3:30 p.m., Monday through Friday, HNES classes have priority in the gyms and activity rooms.** Facilities available include a swimming pool, racquetball courts, a squash court, basketball courts, volleyball courts, a comprehensive Student Fitness Center, Employee Fitness Center, and indoor rock climbing wall. For hours of specific facilities, call (302) 831-2264. **A valid University of Delaware ID card is required to gain entrance to the building.**

INTRAMURAL PROGRAMS.

The University provides an extensive intramural program for men and women. More than half of the student body participates in some aspect of the program. Intramural sports are those played on the University campus among students, faculty and staff. All full-time students and employees are eligible to play. There are more than 30 different sports offered over the course of the school year. Teams may represent dorms, clubs, fraternities, sororities, or simply a group of friends. Leagues and tournaments are established for men's women's and coed divisions on three levels of competition. Registration is ongoing throughout the year. For more information call (302) 831-2539, stop in 134 CSB, or visit www.udel.edu/recreation/int.

FITNESS.

The Fitness Program operates five fitness centers across campus: the **Student Fitness Center** in Carpenter Sports Building which contains aerobic equipment, weight machines, treadmills, bikes, steppers, total body conditioners and free weights; the **Harrington Fitness Center** on east campus with cardiovascular equipment, single station resistance equipment and a specialized aerobics room; the **Pencader Fitness Center**, located on north campus, with cardiovascular equipment, selected free weights and single station resistance equipment; **Rodney Fitness Center** with state of the art cardiovascular equipment and some weight training equipment; and the **Employee Fitness Center** located in Carpenter Sports Building. The **Fitness Center Programs** offer classes in aerobics, step aerobics, weight training, yoga, aqua aerobics, kickboxing, abs, spinning and self-defense. Check out www.udel.edu/fitness for more information.

OUTDOOR RECREATION RESOURCE CENTER (ORRC).

The Outdoor Recreation Resource Center consists of the Equipment Rental Center, which provides a variety of outdoor equipment for rent to students and staff and information on local outdoor recreation areas; the Indoor Climbing Wall with supervised instruction and practice to develop and improve one's skills; and outdoor instructional programs in rock climbing, bicycling, camping, backpacking, etc. Programs are offered throughout the academic year. All these programs are scheduled to provide students with a safe learning experience and quality equipment. The ORRC is designed to help people meet and share outdoor experiences with one another. It can assist both beginners and experienced recreators to further develop their outdoor skills. The program also aims to foster awareness and appreciation of the natural environment.

CLUB SPORTS.

Recreation Services supports a wide variety of student-run competitive club sports. Club sports exist to provide students the opportunity to engage in high level extramural competition while gaining experience in leadership and organization. The students elect officers, create their own competitive schedules, organize travel arrangements, budget and plan financial transactions, establish their own bylaws and attend meetings held by the Office of Club Sports. The STUDENTS are the club, but work in conjunction with the Director of Club Sports and adhere to specific rules and regulations of the University. The University sponsors many varied club sport programs. If you are interested in club sports, visit our web site at:

www.udel.edu/clubsports, or call (302) 831-2259.

HELPING YOU STAY SAFE AND SOUND

The administrative office responsible for police and security services on the campuses of the University of Delaware is the Department of Public Safety. Public Safety staff provide 24-hour-a-day response to reports of on-campus emergencies and criminal actions. Reports of emergencies or requests for assistance may be communicated directly over more than 200 "dial-free" campus emergency telephones, or by calling the University Police emergency number: 911.

The Police Division of the Department of Public Safety is staffed by men and women who have met the police training certification requirements of the State of Delaware and who exercise full law enforcement authority on the campus and contiguous streets. Staff in the Security Division receive departmental training and assist the University Police by performing non-law enforcement duties.

The most recent annual report of campus crime statistics is available, upon request, from the Department of Public Safety, University of Delaware, Newark, DE 19716, phone (302) 831-2222 or visit www.udel.edu/PublicSafety.

YOUR CAR AND OUR CAMPUS

University personnel (students, faculty, staff, and visitors) are extended the privilege of operating and parking motor vehicles on campus only in accordance with the conditions stated in the publication Motor Vehicle Regulations. Copies of these regulations are available online and from the Parking Services Office of the Department of Public Safety. All vehicles parked on campus (other than in the visitors' lots or at activated meters) must be registered with Parking Services and display a current parking permit. This requirement is in force at all times throughout the year.

Car pools are encouraged and car pool permits are available at special rates. Assignment of parking lot privileges will be made at the time of vehicle registration, consistent with the regulations currently in effect.

The University reserves the right to remove and store any vehicle parked on its property that lacks registration or is otherwise in violation of the motor vehicle regulations at the expense of the owner. University parking privileges are subject to revocation for repeated violations of the motor vehicle regulations.

For more information, call (302) 831-1184 or visit:

www.udel.edu/PublicSafety/parkingservices.htm.

IDENTIFY YOURSELF

Students are required to carry the UD#1 CARD (identification card). Examples of privileges that MAY be accessed with the UD#1 CARD are: UD1 FLEX account, UD#1 account with ATM services through Wilmington Savings Fund Society (WSFS) Bank, sporting events, the library, and dining facilities. Access to privileges is determined by registration status and account balances.

New and replacement cards can be obtained at the UD#1 CARD office located in the Student Services Building, Lovett Avenue, Newark, phone (302) 831-2759. For students' protection it is necessary to present a picture ID for positive identification before replacing/obtaining a UD#1 CARD. A \$15 charge is applied for replacement cards. Lost or stolen cards should be reported immediately, 24 hours a day, by dialing (302) 831-2273. For more information, visit www.udel.edu/registrar/ud1card.html.

