

UNDERGRADUATE & GRADUATE CATALOG

UNIVERSITY OF
1999-2000



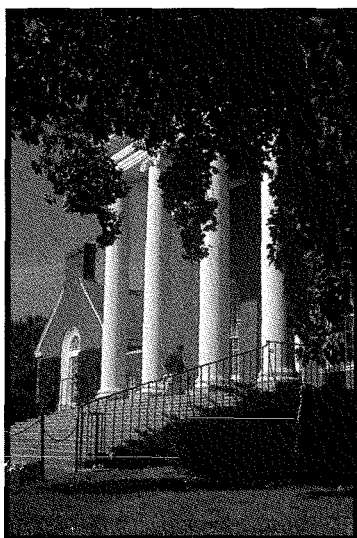
On the cover

Looking out upon the green grass of the Mall is the rediscovered view from the interior of Memorial Hall. At the very center of the Mall, Memorial Hall was designed 74 years ago to represent the heart of our campus and to honor those Delawareans who lost their lives in World War I. On May 16, 1999, the landmark building was rededicated after a \$9.8 million renovation.

Originally constructed as a library, Memorial Hall is now home to the University's Department of English. Within the brick walls and sunlit windows, students will find 74 faculty offices, two problem-based learning classrooms, 12 traditional classrooms (all with appropriate audiovisual support), two computer labs, one theatre classroom, and the University's Writing Center.

In officially rededicating Memorial Hall, Andrew B. Kirkpatrick Jr., chair of the Board of Trustees, declared, "Today, as we rededicate Memorial Hall, we remember the thousands of students, faculty, alumni, and friends who have entered here and been enlightened, and we look forward to the generations to come linking the common bond of knowledge and experience within her walls."

We invite you, too, to seek out your own new horizons at the University of Delaware, and to explore the breadth and depth of UD programs, as presented in this 1999-2000 Undergraduate & Graduate Catalog.



Bulletin of the University of Delaware (U.S.P.S. 077580)

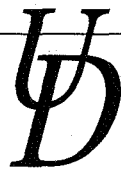
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The Undergraduate and Graduate Catalog, published annually in print and online formats, is intended for use by students and faculty at the University. It contains academic policies, regulations, and procedures; a listing and description of all courses;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

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.

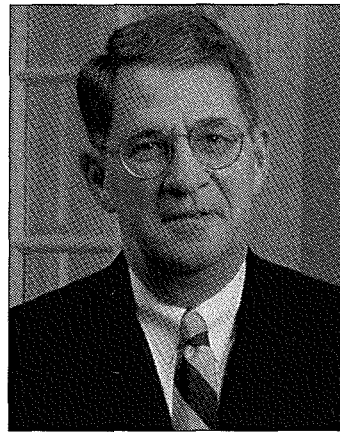


PNJ
Elliott Hall

UNIVERSITY OF DELAWARE
CATALOG
Undergraduate & Graduate

1999-2000

A MESSAGE TO STUDENTS



Your decision to attend the University of Delaware is an important one. You may have made your choice based on recent 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." Perhaps you are following in the footsteps of family members or friends. Or, your decision may have been influenced by such recent distinctions the University has achieved in the last few years, from being cited by *U.S. News & World Report* as one of the country's top 25 public institutions to being called a "best buy" by *Money* magazine.

Whatever your reason, it is important for you to know that the University of Delaware is committed to providing you with the tools and resources to reach your goals. Our efforts to provide these tools have 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 five and ten years ago. Students ranked the University highly in such areas as the University in general, 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 recent \$17.5 million gift by the Gore family to build a magnificent new classroom building on the University's historic Mall. Trustee Robert W. Gore EG '59, his wife, Sarah I. Gore, CHEP '76M, and his mother, Genevieve W. Gore, dedicated the new building to the thousands of students whose lives will be enriched by it now and in the future.

As you begin the task of turning your own dreams into reality, this catalog is an important first tool in that process. Use it – and all 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 the University of Delaware community is committed to doing whatever we can to help you succeed in attaining each of your goals.

Sincerely,

A handwritten signature in cursive script that reads "David P. Roselle".

David P. Roselle
President

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SYNOPSIS OF BACCALAUREATE DEGREE PROGRAMS

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES	<i>Bachelor of Applied Sciences</i>	Bioresources Engineering Technology	Engineering Technology (includes Technical Applications, Technical Management)
	<i>Bachelor of Science in Agriculture</i>	Agricultural Economics (includes Resource Economics) Agricultural Education Animal Science (includes Preveterinary Medicine, Agricultural Biotechnology, Applied Animal Science, and General Animal Science) Entomology Environmental Soil Science Food and Agribusiness Management	(includes Food Marketing) Food Science and Technology (includes Food Science and Food Technology) General Agriculture Landscape Horticulture Natural Resource Management Plant Biology Plant Protection Plant Science Wildlife Conservation
COLLEGE OF ARTS AND SCIENCE	<i>Bachelor of Arts</i>	Anthropology Anthropology Education Art Art Conservation (includes Collections Care and Pre-Graduate Study) Art History Biological Sciences Biological Sciences Education Chemistry Chemistry Education Classical Studies Communication (includes Interpersonal, Mass Communication) Comparative Literature Computer and Information Sciences Continental European Studies Criminal Justice Earth Science Education East Asian Studies Economics Economics Education English (includes Business/Technical Writing, Drama, Ethnic/Cultural Studies, Film, and Journalism) English Education Foreign Languages and Literatures (includes Classics, French Studies, German Studies, Italian Studies, Latin Studies, Russian Studies, Spanish Studies, Three Languages) French Education French/Political Science Geography Geography Education Geology (includes Paleobiology)	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 Mathematical Sciences Mathematics Education Music Philosophy Physics Physics Education Political Science Political Science Education Psychology Psychology Education Russian 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
	<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>	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	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)
	<i>Bachelor of Science</i>	Biochemistry Biological Sciences (Biotechnology) Chemistry (includes Environmental Studies) Computer and Information Sciences Environmental Science Geology	Geophysics Mathematical Sciences Physics (includes Astronomy/Astrophysics, Chemical Physics and Materials Physics)

SYNOPSIS OF BACCALAUREATE DEGREE PROGRAMS (continued)

COLLEGE OF BUSINESS AND ECONOMICS	<i>Bachelor of Arts</i>	Economics	
	<i>Bachelor of Science</i>	Economics	
	<i>Bachelor of Science in Accounting</i>	Accounting	
	<i>Bachelor of Science in Business Administration</i>	Management Finance	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 Dietetics	Medical Technology Nutritional Sciences
	<i>Bachelor of Science in Athletic Training</i>	Athletic Training	
	<i>Bachelor of Science in Nursing</i>	Nursing	Baccalaureate for Registered Nurses (BRN)
	<i>Bachelor of Science in Physical Education and Health Education</i>	Health and Physical Education	
	<i>Bachelor of Science in Physical Education Studies</i>	Exercise and Sports Science (includes Biomechanics, Exercise Physiology, Fitness Management, Figure Skating Science, Physical Education Studies, and Strength and Conditioning)	
	<i>Bachelor of Science in Recreation and Park Administration</i>	Recreation and Park Administration (includes Programming and Leadership, and Parks)	
COLLEGE OF HUMAN RESOURCES, 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 Interdisciplinary Studies in Human Resources Leadership and Consumer Economics

SYNOPSIS OF HONORS BACCALAUREATE DEGREE PROGRAMS

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES	Animal Science, B.S.A. Dean's Scholar in Agricultural Sciences, B.S.A. Entomology, B.S.A.	Food Science and Technology, B.S.A. Wildlife Conservation, B.S.A.
COLLEGE OF ARTS AND SCIENCE	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. Classical Studies, B.A. Communication, B.A. Computer and Information Sciences, B.A. and B.S. Continental European Studies, B.A. Dean's Scholar in Arts and Science 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. International Relations, B.A. Italian Studies, B.A. Italian Education, B.A. Latin Studies, B.A. Latin Education, B.A. Liberal Studies, B.A.L.S. Mathematical Sciences, B.A. and B.S. Mathematics Education, B.A. Music and Music Theory/Composition, B.A. and B.M. Philosophy, B.A. Physics, B.S. Political Science, B.A. Political Science Education, B.A. Psychology, B.A. Psychology Education, B.A. Russian Studies, B.A. Russian Education, B.A. Spanish Studies, B.A. Spanish Education, B.A. Women's Studies, B.A.
COLLEGE OF BUSINESS AND ECONOMICS	Accounting, B.S.A. Economics, B.A. and B.S. Finance, B.S.B.A.	Management, B.S.B.A. Marketing, B.S.B.A. Operations Management, B.S.B.A.
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	Applied Nutrition, B.S. Dietetics, B.S.	Nutritional Sciences, B.S.
COLLEGE OF HUMAN RESOURCES, EDUCATION AND PUBLIC POLICY	Apparel Design, B.S. Early Childhood Development & Education, B.S. Educational Studies, B.A.E.S. Family & Community Services, B.S.	Fashion Merchandising, B.S. Hotel, Restaurant & Institutional Management, B.S. Leadership and Consumer Economics, B.S.

SYNOPSIS OF UNDERGRADUATE MINORS

	Minor	Advisor – Location
COLLEGE OF AGRICULTURE AND NATURAL RESOURCES	Animal Science	John K. Rosenberger – Townsend
	Engineering Technology	Kenneth M. Lomax – Townsend
	Entomology	Roland R. Roth – Townsend
	Environmental Soil Science	Bruce Vasilas – Townsend
	Food and Agribusiness Management	Conrado Gempesaw – Townsend
	Food Science	Dallas Hoover – 208 Alison
	Landscape Horticulture	David Frey – Townsend
	Plant Biology	David Frey – Townsend
	Wildlife Conservation	Roland Roth – Townsend
COLLEGE OF ARTS AND SCIENCE	African Studies	Wunyabari Maloba – 207 Munroe
	Anthropology	Kenneth Ackerman – 106 Munroe
	Art	Martha Carothers – 103 Recitation Hall
	Art History	David Stone – 321 Old College
	Biology	Gregory Stephens – 117A Wolf
	Black American Studies	Carole C. Marks – 417 Ewing
	Chemistry	John Burmeister – 102 Brown Lab.
	Cognitive Science	Barbara Landau – 238 Wolf
	Comparative Literature	Nicolas P. Gross – 439 Smith
	Computer Science	Paul Amer – 101C Smith
	East Asian Studies	David Pong – 237 Munroe
	English	James Dean – 209 Memorial
	Foreign Languages:	
	Classics	Nicolas P. Gross – 439 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	David Stixrude – 414 Smith
	Geography	Peter Rees – 228 Pearson
	Geology	John Wehmiller – 101 Penny Hall
	History	James Brophy – 210 Munroe
	Irish Studies	Bonnie Scott – 204 Memorial
	Jewish Studies	Vivian Klaff – 231 South College Ave.
	Latin American Studies	Suzanne Alchon – 232 Munroe
	Legal Studies	Valerie Hans – 331 Smith
	Linguistics	Irene Vogel – 46 E Delaware Ave., rm. 205
	Mathematics	Gilberto Schleinger – 512 Ewing
	Medical Humanities	Heyward Brock – 28 West Delaware Ave.
	Medieval Studies	James Dean – 209 Memorial
	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.
	Music Management Studies	Elaine Brenchley – 321 Amy du Pont Music Bldg.
	Musical Studies	Lloyd Shorter – 209 Amy du Pont Music Bldg.
	Philosophy	Katherin Rogers – 24 Kent Way
	Physics	Maurice V. Barnhill – 264 Sharp Lab
	Political Science	Gretchen Bauer – 459 Smith
	Psychology	John McLaughlin – 213 Wolf
	Public Administration	Theodore J. Davis, Jr. – 347 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
COLLEGE OF BUSINESS AND ECONOMICS	Business Administration	Sandra M. Fields – 236 MBNA America Hall
	Economics	Eleanor Craig – 412 Purnell
	International Business	Sandra M. Fields – 236 MBNA America Hall
	Management Information/Decision Support Systems	Clinton White – 208 Purnell
COLLEGE OF ENGINEERING	Civil Engineering	Michael Chajes – 360C DuPont
	Materials Science	Rick (Ian) Hall – 102B Spencer
COLLEGE OF HEALTH AND NURSING SCIENCES	Coaching Science	Loren E. Kline – 120 Delaware Field House
	Nutrition	Carolyn K. Manning – 244A Alison
COLLEGE OF HUMAN RESOURCES, EDUCATION AND PUBLIC POLICY	Disabilities Studies	Carol Denson – 314 Alison

SYNOPSIS OF GRADUATE DEGREE PROGRAMS

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

Master of Science

Agriculture and Resource Economics
Animal Science
Entomology and Applied Ecology
Food Science
Operations Research
Plant and Soil Sciences
Public Horticulture

Doctor of Philosophy

Animal Science
Entomology and Applied Ecology
Operations Research
Plant and Soil Sciences

COLLEGE OF ARTS AND SCIENCE

Master of Arts

Art
Art History
Chemistry and Biochemistry
Communication
Criminology
Early American Culture
English
Foreign Languages and Literatures
Foreign Languages and Pedagogy
Geography
History
International Relations
Liberal Studies
Linguistics
Physics
Political Science
Psychology
Sociology

Master of Fine Arts

Fine Arts
Theatre

Master of Music

Music
Performance
Teaching

Master of Physical Therapy

Physical Therapy

Master of Science

Applied Mathematics
Art Conservation
Biological Sciences
Chemistry and Biochemistry
Computer and Information Sciences
Geography
Geology
Mathematics
Physics

Doctor of Philosophy

Applied Mathematics
Art History
Biological Sciences
Biological Sciences/Neuroscience
Chemistry and Biochemistry
Climatology
Computer and Information Sciences
Criminology

English
Geology
History
Linguistics
Mathematics
Physics
Political Science
Psychology
Psychology/Neuroscience
Sociology

COLLEGE OF BUSINESS AND ECONOMICS

Master of Arts

Economics
Economics for Educators

Master of Business Administration

Business Administration

Master of Business Administration/Master of Arts

Business Administration/Economics

Master of Science

Accounting
Economics

Doctor of Philosophy

Economics

COLLEGE OF ENGINEERING

Master of Applied Sciences

Civil Engineering

Master of Chemical Engineering

Chemical Engineering

Master of Civil Engineering

Civil Engineering

Master of Electrical Engineering

Electrical Engineering

Master of Engineering: Mechanical

Mechanical Engineering (non-thesis)

Master of Materials Science and Engineering

Materials Science

Master of Science in Mechanical Engineering

Mechanical Engineering (thesis)

Doctor of Philosophy

Chemical Engineering
Civil Engineering
Electrical Engineering
Materials Science and Engineering
Mechanical Engineering

COLLEGE OF HEALTH AND NURSING SCIENCES

Master of Science

Biomechanics and Movement Science
Health Promotion
Human Nutrition
Also, Nutrition and Dietetics Certificate Program
Physical Education
Biomechanics
Exercise Physiology

Master of Science in Nursing

Clinical Nurse Specialist
Combined Clinical Nurse Specialist/Nurse Practitioner
Family Nurse Practitioner
Nursing Administration
Post-Master's Certificate Program

Doctor of Philosophy

Biomechanics and Movement Science

COLLEGE OF HUMAN RESOURCES, EDUCATION AND PUBLIC POLICY

Master of Arts

Education
Cognition and Instruction
Educational Policy
ESL/Bilingualism
Measurement/Statistics and Evaluation
School Psychology
Urban Affairs and Public Policy
Community Development and Nonprofit Leadership
Energy and Environmental Policy
Historic Preservation

Master of Education

Education
College Counseling
Curriculum and Instruction
Educational Leadership
Exceptional Children
Secondary Education
Student Affairs Practice in Higher Education
School Counseling

Master of Environmental and Energy Policy

Environmental and Energy Policy

Master of Instruction

Education
Instruction

Master of Public Administration

Public Administration

Master of Science

Individual and Family Studies

Doctor of Education

Educational Leadership
Administration and Policy
Curriculum and Instruction

Doctor of Philosophy

Education
Cognition, Development, and Instruction
Curriculum and Instruction
Educational Policy
Exceptionality
Measurement, Statistics, and Evaluation
Environmental and Energy Policy
Family Studies
Urban Affairs and Public Policy

COLLEGE OF MARINE STUDIES

Master of Marine Policy

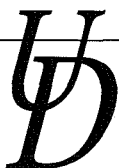
Marine Policy

Master of Science

Marine Studies
Marine Biology/Biochemistry
Marine Policy
Oceanography
Physical Ocean Science and Engineering

Doctor of Philosophy

Marine Studies
Marine Biology/Biochemistry
Marine Policy
Oceanography
Physical Ocean Science and Engineering
Oceanography



UNIVERSITY CALENDAR

FALL SEMESTER 1999

Monday, August 9

Late registration and change of registration begins via
UDPHONE and website.

Saturday, August 28

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

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: 11:00 a.m.
Advisement and registration.

Tuesday, August 31

Deadline for admission to doctoral candidacy for degrees
to be conferred in December 1999.
Classes begin at 8:00 a.m.

Monday, September 6

Labor Day Holiday, offices closed; classes suspended.

Friday, September 10

Rosh Hashanah begins at sundown; continues next two
days – See policy on excused absence in the Academic
Regulations chapters of this catalog.

Tuesday, September 14

Last day to register or to add courses. After this date,
tuition and a one-time \$15 processing fee will be
charged for change of registration; students
withdrawing from courses will receive a grade of "W"
on permanent record.

Deadline for *undergraduate students* for completion of
deferred examinations and incomplete work (grade I)
from Spring Semester 1999 and 1999 Summer
Sessions.

Wednesday, September 15

Deadline for filing application for *graduate degrees* to be
conferred in December 1999.

Sunday, September 19

Yom Kippur begins at sundown; continues following day
– See policy on excused absence in the Academic
Regulations chapters of this catalog.

Friday, October 8

Fall Break; classes suspended.

Tuesday, October 19

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 1999 and 1999 Summer Sessions.

Monday, October 25

Registration begins for Winter Session.

Tuesday, October 26

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

Monday, November 15

Deadline for receipt of *doctoral dissertations and
executive position papers* for degrees to be conferred
in December 1999.

Undergraduate admission application deadline for
freshmen and transfer students entering Spring
Semester, 2000.

Thursday, November 18

Registration for Spring Semester 2000 begins.

Monday, November 22

Deadline for receipt of *master's theses* for degrees to be conferred in December 1999.

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

Thanksgiving Day, 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 2000.

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).

Friday, December 17

Final examinations end.
Residence halls close at 10:00 p.m.

Saturday, January 8

January Commencement.

WINTER SESSION 2000

Monday, October 25

Registration for Winter Session begins.

Tuesday, November 16

Late registration and change of registration begin via UDPHONE and 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. Late registration begins.
Residence hall check-in for Winter Session walk-ins, 2 p.m. to 9 p.m.

Thursday, January 6

Last day to register or to add courses. After this date, tuition and a one-time \$15 processing fee will be charged for change of registration; students withdrawing from courses will receive a grade of "W" on permanent record.

Monday, January 17

Deadline for graduate admission recommendations from departments for Spring Semester 2000.
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.

Monday, January 31

Deadline for admission to *doctoral candidacy* for degrees conferred in May 2000.

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 the Residence Hall by 7:00 p.m.

SPRING SEMESTER 2000*Monday, November 15*

Undergraduate admission application deadline for freshmen and transfer students entering Spring Semester, 2000.
Applications received after this date will be reviewed on a space available basis.

Wednesday, November 18

Registration for Spring Semester 2000 begins.

Wednesday, December 1

Graduate admission application deadline for Spring Semester, 2000.

Saturday, January 1

Undergraduate readmission application deadline for Spring Semester, 2000.

Wednesday, January 7

Fee payment deadline for Spring Semester, 1999.

Monday, January 17

Deadline for graduate admission recommendations for Spring Semester, 2000.

Wednesday, January 19

New Student Orientation Phase I begins.

Thursday, January 20

New Student Orientation Phase I ends.

Monday, January 24

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

Monday, January 31

Deadline for admission to *doctoral candidacy* for degrees to be conferred in May 2000.

Sunday, February 6

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

Monday, February 7

New Student Orientation Phase II.
Classes begin at 4:00 p.m.
Residence halls check-in 9:00 a.m. to 5:00 p.m.

Monday, February 14

Deadline for filing application for *graduate degrees* to be conferred in May 2000.

Tuesday, February 15

Undergraduate admission application deadline for freshmen entering Fall Semester 2000.

Monday, February 21

Last day to register or to add courses. After this date, tuition and a one-time \$15 processing fee will be charged for change of registration; students withdrawing from courses will receive a grade of "W" on permanent record.
Deadline for *undergraduate students* for completion of deferred examinations and incomplete work (grade I) from Fall Semester 1999 and 2000 Winter Session.

Friday, March 17

Deadline for *graduate students* for completion of deferred examinations and incomplete work (grade I) from Fall Semester 1999 and 2000 Winter Session.

Friday, March 24

Freshman midterm marking period ends.
Spring recess begins at end of classes. Residence halls close at 7:00 p.m.

Sunday, April 2

Residence halls open at 2:00 p.m.

Monday, April 3

Deadline for *graduate admission* applications for admission in June 2000.
Classes resume at 8:00 a.m. following spring recess.
Registration for Summer Sessions 2000 begins.

Friday, April 14

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

Monday, April 17

Deadline for receipt of *doctoral dissertations and executive position papers* for degrees to be conferred in May 2000.
Registration for Fall Semester 2000 begins.

Monday, April 24

Deadline for receipt of *master's theses* for degrees to be conferred in May 2000.

Friday, April 28

Deadline for admission to *doctoral candidacy* for degrees to be conferred in August 2000.

Monday, May 1

Undergraduate admission application deadline for transfer students entering Fall Semester 2000.

Friday, May 5

Honors Day. Modified class schedule.

Monday, May 15

Deadline for filing application for *graduate degrees* to be conferred in August 2000.

Wednesday, May 17

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

Thursday, May 18

Reading Day; no examinations scheduled.

Friday, May 19

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, May 20-21

Reading Days; no examinations scheduled.

Friday, May 26

Final examinations end.

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

Saturday, May 29

Commencement.

Residence halls close at 5:00 p.m. for graduates.

Monday, May 29

Memorial Day. University offices closed.

SUMMER SESSION 2000

Monday, July 3

Deadline for *graduate admission* applications for admission to the fall semester 2000.

Monday, July 10

Summer classes begin.

Monday, July 24

Deadline for submission of *doctoral dissertations and executive position papers* for degrees to be conferred in August 2000.

Monday, July 31

Deadline for submission of *master's theses* for degrees to be conferred in August 2000.

Thursday, August 10

Summer classes end.

Friday, August 11

Final examinations; residence halls close at 7:00 p.m.

Tuesday, August 15

Deadline for *graduate admission* recommendations from departments for fall semester 2000.

Thursday, August 31

Deadline for admission to *doctoral candidacy* for degrees to be conferred in December 2000.



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**

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

TRADITION AND INNOVATION – OUR HISTORY AND OUR FUTURE

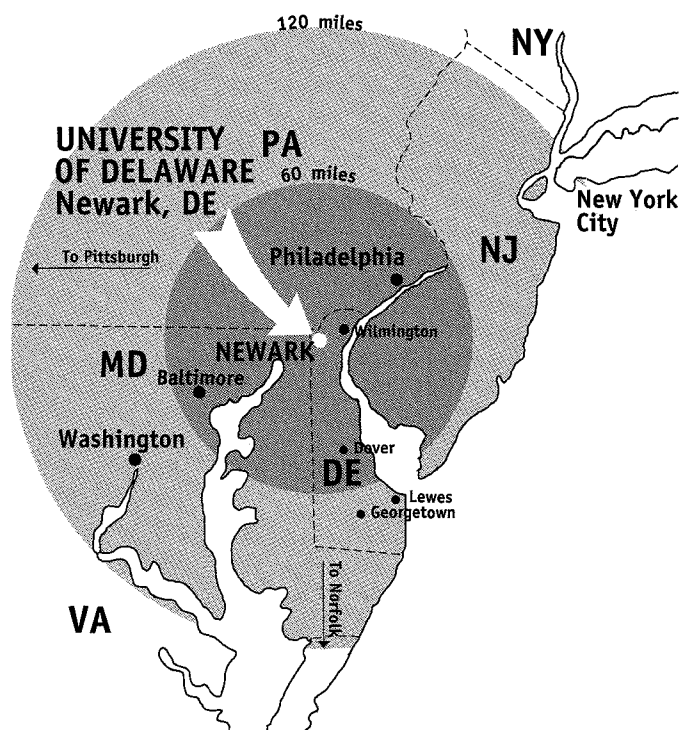
One of the oldest institutions of higher education in the country, the University of Delaware combines tradition and innovation, offering students a rich heritage along with the latest in instructional and research technology.

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.

Today, there are more than 100,000 active University of Delaware alumni who live in every state of the U.S. and more than 75 foreign countries. The Class of 1995 included the University's 100,000th graduate.

A private university that receives public support, 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 institution. 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, as well as new research facilities such as the Allan P. Colburn Laboratory for chemical engineering and the Lamont du Pont Laboratory for chemistry, biochemistry and marine studies. The recently opened Trabant University Center incorporates in its design a restored historic building, and the recently



opened Bob Carpenter Sports/Convocation Center, with its Acierno Arena, is home to Fightin' Blue Hens men's and women's basketball.

The University recently opened MBNA America Hall—a new facility for the College of Business and Economics, and Gore Hall—a major classroom building that completes the historic campus mall. 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. Recently, the University was honored as a national model for its exemplary campuswide 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.

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 Science; Business and Economics; Engineering; Health and Nursing Sciences; Human Resources, Education, and Public Policy) offer both undergraduate and graduate degrees. The remaining college, Marine Studies, offers graduate degrees only. A complete list of our extensive undergraduate and graduate degree programs is presented on pages vi-x of this catalog.

Through the Parallel Program, a special partnership between the University of Delaware and Delaware Technical & Community College, students can earn credits toward University degrees at campuses

in Wilmington, Dover and Georgetown. The Division of Continuing Education extends the opportunities of the University to students throughout the state.

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 80 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 1998, 764 master's degrees, 128 Ph.D. degrees, and 13 Ed.D. degrees were conferred.

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, Physical Therapy, and Nursing.

OUR ACADEMIC CALENDAR OFFERS FLEXIBLE SCHEDULING

The University of Delaware follows a semester plan. Fall semester usually begins in early September and ends in mid-December. The spring semester begins in early 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 pre-registration, 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 the first week of 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 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 Office of International Programs and Special Sessions, (302) 831-2852, <http://www.udel.edu/IntlProg/>

TEACHERS WHO TEACH

Among more than 900 faculty members at the University of Delaware, 87 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 Guggenheim fellowships, Alexander von Humboldt-Stiftung awards,

Fulbright fellowships, and election to the National Academy of Engineering (NAE) and the National Academy of Sciences. In 1998, for example, the College of Engineering boasts four NAE members, seven Presidential Young Investigators and eighteen named professorships.

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.

STUDENTS ARE OUR FOCUS

Students are the focus of the University's academic programs. In fall 1998, 21,346 students were enrolled, including 16,110 undergraduate students, 3,131 graduate students, and 2,105 students in the Division of Continuing Education. Of the undergraduate total, 649 were enrolled in the University's Parallel Program with Delaware Technical & Community College.

Entering 1998 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, 64 percent 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 1998, for example, this program served about 400 undergraduates, who tackled projects ranging from the cardiovascular function of turtles to fusion-bonding of composite materials. (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 Delaware Research Partnership uses state funds to attract matching grants from industry in support of University research that promises to enhance the state's economic development. 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 Center for Advanced Study at the University of Delaware was established to provide senior faculty members with opportunities for advanced research in areas of their disciplines and for improvement of teaching at all levels. Three awards are offered each year. Faculty members receiving appointments as fellows are freed from all other regular assignments except the supervision of graduate theses and dissertations. Through these awards, the University demonstrates its continuing commitment to the excellence in teaching and research of its faculty.

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/index.html>>.

Henry Francis du Pont Winterthur Museum, Eleutherian Mills-Hagley Museum and Library, Longwood Gardens. The College of Arts and Science 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 the 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 87 colleges and universities and a management and operating contractor for the U.S. Department of Energy (DOE) 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.gov>.

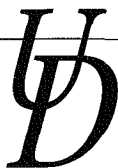
SURA. The University of Delaware is a member of Southeastern Universities Research Association (SURA), a consortium of 41 universities in 13 southeastern states and the District of Columbia. The organization's purpose is to serve as an entity through which colleges, universities, and other organizations 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, Summer Arts Festival, 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 100,000 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 Parents Day and other parent programs.



RESEARCH CENTERS, INSTITUTES AND SPECIAL FACILITIES

- **Agricultural Experiment Station**
- **Applied Science and Engineering Laboratories (ASEL)**
- **Bartol Research Institute**
- **Center for Applied Coastal Research**
- **Center for Applied Demography and Survey Research (CADSR)**
- **Center for Archaeological Research**
- **Center for Biomedical Engineering Research (CBER)**
- **Center for Catalytic Science and Technology**
- **Center for Climatic Research**
- **Center for Colloidal Science**
- **Center for Community Development and Family Policy (CCDFP)**
- **Center for Composite Materials**
- **Center for Disabilities Studies (CDS)**
- **Center for Drug and Alcohol Studies**
- **Center for Educational Leadership and Policy (CELAP)**
- **Center for Energy and Environmental Policy (CEEP)**
- **Center for Historic Architecture and Design (CHAD)**
- **Center for the Mathematics of Waves**
- **Center for Molecular and Engineering Thermodynamics**
- **Center for Remote Sensing**
- **Center for the Study of Marine Policy**
- **Center for Teaching Effectiveness**
- **Cooperative Extension System**
- **Delaware Biotechnology Institute**
- **Delaware Center for Teacher Education (DCTE)**
- **Delaware Education Research and Development Center**
- **Delaware Geological Survey**
- **Delaware Transportation Institute**
- **Disaster Research Center**
- **The Financial Institution Research and Education Center (FIRE)**
- **History Media Center**
- **Institute for Public Administration (IPA)**
- **Institute for Transforming Undergraduate Education (ITUE)**
- **Institute of Energy Conversion**
- **Mathematics and Science Education Resource Center (MSERC)**
- **University of Delaware Press**
- **Water Resources Center**

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 graduate program offerings at the University.

The University is also headquarters for such scholarly and professional organizations 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 all phases of agriculture and rural life. 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 disciplines. Advanced undergraduates often gain valuable experience working for a professor in a laboratory or in the field on Experiment Station-sponsored research.

APPLIED SCIENCE AND ENGINEERING LABORATORIES (ASEL)

The Applied Science and Engineering Laboratories (ASEL) is an internationally recognized program whose mission includes research, education and outreach. Its research focuses on how people interact with computers and other technologies with a strong emphasis on the needs of people with disabilities. Current project areas include: 1)

new computer interfaces based on gesture, eye gaze, and brain waves; 2) information retrieval and processing using virtual reality and artificial intelligence; 3) new speech interfaces for communication; 4) the application of robotic and telemanipulation systems to assist people with motor impairments; and 5) novel approaches to therapeutic and educational technologies such as "virtual laboratories" for students with disabilities. ASEL's research mission is complemented by its educational program which includes teaching in various University departments, major participation in the Biomechanics and Movement Science program, and support for undergraduate and graduate research. Its outreach program includes publications, meetings, and technical assistance at the state, national, and international levels. (<http://www.asel.udel.edu/>)

BARTOL RESEARCH INSTITUTE

The Bartol Research Institute, endowed by Henry Bartol, is a non-profit organization that conducts research on various aspects of physics, astrophysics and astronomy. The Institute cosponsors, with the Department of Physics and Astronomy, the graduate program in physics. Current projects include research on cosmic rays, the interplanetary medium, planetary magnetic fields, condensed matter physics, solar and stellar physics, nuclear physics, particle physics and cosmology. In addition to its laboratories on the Newark campus, Bartol operates experimental facilities in Antarctica, Greenland and northern Canada. Bartol also administers The NASA Space Grant College Program, a consortium of nine institutions of higher learning in the region. For information on undergraduate or graduate research opportunities, call (302) 831-8116 or visit <http://www.bartol.udel.edu/> on the web.

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 regional 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 Department of Geology, the College of Marine Studies, the Stevens Institute of Technology, the U.S. Naval Academy, Cornell University, University of Rhode Island, Penn State, and Drexel University.

CENTER FOR APPLIED DEMOGRAPHY AND SURVEY RESEARCH (CADSR)

The Center for Applied Demography and Survey Research (CADSR), part of the College of Human Resources, 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 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) software development and access to package programs, 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.

CENTER FOR ARCHAEOLOGICAL RESEARCH

The Center for Archaeological Research is part of the Department of Anthropology in the College of Arts and Science. 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).

CENTER FOR BIOMEDICAL ENGINEERING RESEARCH (CBER)

The Center for Biomedical Engineering Research (formerly known as OBEC, the Orthopedic and Biomechanical Engineering Center) 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 A.I. duPont Institute, the Department of Mechanical Engineering, the Department of Physical Therapy, and the Sports Science Laboratory. The A.I. duPont Institute is a modern children's hospital that has extensive clinical and diagnostic facilities. In addition, research collaboration has been established with several other hospitals and medical facilities. Through the Department of Mechanical Engineering, CBER researchers have access to an array of computer hardware and software, a variety of mechanical testing equipment, and a complete machine shop. The Sports Science Laboratory houses a state-of-the-art motion analysis facility complete with 4 high-speed cameras, 2 multi-axis force plates, an EMG telemetry unit, and a variety of computer and ancillary equipment. The laboratory can be configured to study almost any type of motion. The Motion Analysis Laboratory in the Physical Therapy Department is similarly equipped with a VICON-based system. Presently, a number of research topics are being addressed. Several examples are: a study of air flow in the nasopharynx and its effects on sleep disorders, 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, lung deposition of aerosol particles, testing of surgical and protective devices, modeling of the length-tension relationship in skeletal muscle, and design of an advanced composite hip replacement.

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 or in chemistry.

CENTER FOR CLIMATIC RESEARCH

A University-wide Center for Climatic Research was established in the Department of Geography in 1978. The purpose of the center is to bring together scientists from the University community who are working in either basic or applied climatology to share their research ideas and to undertake interdisciplinary studies. The center serves to emphasize the University's commitment to develop meaningful research in climatology, and it provides an organization to attract outside funding. Current research includes studies of global climate change, the role of the landsurface in climate change, impacts of climate change on human health and water resources, glacier dynamics, hydroclimatology of South America, relationships between snow cover and weather patterns, and influences on the permafrost.

CENTER FOR COLLOIDAL SCIENCE

The purpose of the Center for Colloidal Science is to foster research on fine particles. This includes studies dealing with particles in environments ranging from natural and toxic materials in rivers, estuaries and oceans, to particles in soils and in industrial processing, and a variety of aerosol particles. The center strives to bring together individual researchers from diverse disciplines, including agriculture, chemistry, chemical, civil, electrical and mechanical engineering, and geology to conduct complementary studies.

CENTER FOR COMMUNITY DEVELOPMENT AND FAMILY POLICY (CCDFP)

The Center for Community Development and Family Policy (CCDFP), part of the College of Human Resources, Education, and Public Policy, focuses on those aspects of social policy that are related to the distribution of social and economic opportunity and well-being among individuals, families and communities. CCDFP provides opportunities for graduate and undergraduate students to pursue interdisciplinary research in the areas of local and community-based social and economic development, housing, poverty, crime, urban and neighborhood planning and governance, family theory, family support and empowerment, family legal and policy regulation, and the utilization of nonprofit and private resources for community development and nonprofit leadership.

CCDFP supports graduate instruction and conducts research, training, and technical assistance in a highly interrelated and mutually supporting manner for the fourfold purpose of 1) generating knowledge about the nature and causes of poverty and inequality, 2) preparing graduate and undergraduate students and practicing professionals to become effective agents of positive social change, 3) aiding communities, nonprofit organizations and public agencies in the design and application of policies and programs which address the needs of lower-income persons, and 4) disseminating knowledge and skills that will improve the capacity of public, nonprofit and private organizations to address problems of poverty and inequality.

CENTER FOR COMPOSITE MATERIALS

Founded in 1974, the Center for Composite Materials (CCM) is an internationally recognized, interdisciplinary center of excellence for

composites research and education. The Center is dedicated to educating scientists and engineers, conducting basic and applied research, and developing and transitioning technology for the composites community. Supporters include a variety of national and international companies, federal agencies, and the State of Delaware.

CCM's 34,000-square-foot Composites Manufacturing Science Laboratory houses state-of-the-art fabrication, characterization, testing, and computational equipment. More than 25 faculty members, 40 graduate students, and 35 undergraduates are currently affiliated with the Center through the College of Engineering, the Departments of Physics and Astronomy and Chemistry and Biochemistry, and the College of Business and Economics. (While the Center plays an active role in education, degrees are earned through the academic programs of the various affiliated departments, not through the Center. Students should consult the departments in which they are interested for information on degree programs and application requirements.)

CCM has developed core competencies in a number of composites science and engineering areas, including liquid molding, textile preforming, novel thermoset processing, thermoplastic processing, joining, interphase science, sensing and control, and cost modeling. Application areas include the traditional aerospace and automotive industries as well as a growing initiative for composites for infrastructure repair, rehabilitation, and construction. The current research program addresses five broad theme areas: materials and synthesis, mechanics and design, processing science, sensing and control, and performance.

Students at all levels are active participants in interdisciplinary CCM research teams; in addition to a solid grounding in the fundamentals, composites students at Delaware are exposed to practical insight into the solution to real-world engineering problems. They also have the opportunity to interact with visiting students, faculty, and researchers from industry, government agencies, and universities throughout the world. Both graduate and undergraduate students gain valuable experience in documenting their work in conference proceedings, journals, and even patents.

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 at the Center during the academic year.

Detailed information about the Center's various research programs and opportunities for graduate and undergraduate students can be found at the Center's web site (<http://www.ccm.udel.edu/>).

CENTER FOR DISABILITIES STUDIES (CDS)

The Center for Disabilities Studies (CDS), part of the College of Human Resources, Education, and Public Policy, focuses its efforts 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 and service activities, CDS seeks to increase the capacity of individuals, agencies and organizations to provide quality services; it promotes systemic improvements in policy and service delivery; and it builds collaborative relationships with other organizations that are enabling 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 during the summer. CDS also offers opportunities for both undergraduates and graduate students to work with faculty and staff on special projects.

CENTER FOR DRUG AND ALCOHOL STUDIES

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

The principal mission of the Center for Drug and Alcohol Studies 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 center 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.

CENTER FOR EDUCATIONAL LEADERSHIP AND POLICY (CELAP)

The Center for Educational Leadership and Policy (CELAP), part of the College of Human Resources, Education, and Public Policy, is devoted to the interdisciplinary study of educational leadership and policy for the purpose of improving the decisions that are made by school boards, administrators, and others charged with the leadership and governance of the schools. It strives to raise the level of debate about enduring educational issues and to point the way to sound and informed resolution of educational disputes and problems. In addition to the analysis of data and the publication of findings and other information about education and schooling, CELAP faculty and staff provide technical assistance to administrators and policy-makers in their work and conduct workshops, academies, institutes, and graduate-level courses of study related to educational policy.

CENTER FOR ENERGY AND ENVIRONMENTAL POLICY (CEEP)

The Center for Energy and Environmental Policy (CEEP), part of the College of Human Resources, Education, and Public Policy, 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 comparative energy and environmental policy, environmental justice, global environmental change, renewable energy applications, and sustainable development strategies.

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 are general editors of an annual book series entitled *Energy and Environmental Policy* and serve as advisors to 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.

CENTER FOR HISTORIC ARCHITECTURE AND DESIGN (CHAD)

The Center for Historic Architecture and Design (CHAD), part of the College of Human Resources, 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 also supports undergraduate study in historic preservation through CHEP's Department of Consumer Studies and graduate study in historic preservation at both the master's and doctoral levels through CHEP's School of Urban Affairs and Public Policy and in conjunction with other cosponsoring departments and programs. CHAD manages the Laboratory for the Analysis of Cultural and Historic Materials and is a cosponsor of the Historic Costume Collection managed by the Department of Consumer Studies.

In addition to the Department of Consumer Studies and the School of Urban Affairs and Public Policy, CHAD is co-sponsored by the departments of Art Conservation, Art History, Geography, and History as well as the Program in Museum Studies and the Wintertur Program in Early American Studies in the College of Arts and Science and the departments of Civil and Environmental Engineering and of Mechanical Engineering in the College of Engineering.

CENTER FOR THE MATHEMATICS OF WAVES

The Center for the Mathematics of Waves is dedicated to furthering the understanding of wave phenomena, including propagation and scattering (direct and inverse) of acoustic, elastic, electromagnetic, quantum mechanic and hydrodynamic waves, and preparing students for careers in those areas. The center serves as a resource for industry and government on basic mathematical problems underlying such diverse applications as remote sensing, nondestructive testing, tomography, hyperthermia, discrimination and identification of scattering objects, antenna design, and ship motion. Active research programs in acoustic and electromagnetic inverse scattering, acoustic-elastic interaction, seismic inversion, underwater acoustics and quantum mechanics are presently being pursued with support from the National Science Foundation, Air Force Office of Scientific Research, and the Office of Naval Research. Graduate students may pursue their doctorates in wave-related topics in the Departments of Mathematical Sciences, Physics and Astronomy, Civil and Environmental Engineering, Electrical and Computer Engineering, and Mechanical Engineering. The center maintains an active program for both short- and long-term visits. Recent visitors have come from Great Britain, China, Finland, Germany, Italy, France, the Netherlands, Greece, and Turkey as well as the United States. Latest

research findings and preprints of articles to appear in books and journals are available in the center report series. A yearly list of reports is widely circulated and is available from the center office.

CENTER FOR MOLECULAR AND ENGINEERING THERMODYNAMICS

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, 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 and computational chemistry including the use of supercomputers, 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.

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.

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.

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, geological, and biological properties of the oceans and the coastal zone. Since 1972 it has trained about 200 specialists from 14 countries in various aspects of remote sensing, coastal management and the environmental sciences. The Center specializes in interdisciplinary research and training, with emphasis on coastal processes and marine resources. Research vessels, aircraft, and satellites equipped with multispectral, infrared, and microwave sensors are used for gathering data. Interactive digital 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, optical physics of coastal waters, wetland productivity and health, pollutant drift and dispersion, watershed land use and pollution run-off modeling, and applications of remote sensing and GIS to coastal resource management. This research is supported by the National Science Foundation, NASA, NOAA, ONR, EPA, AID, companies and private foundations. The Center has conducted coastal studies in the United States, South America, and Asia. It has provided training to scientists and students from Germany, Spain, Turkey, Egypt, India, Lebanon, Japan, China, Australia, Costa Rica, Peru, Ecuador, Argentina, Canada, and the United States. For more details, call Dr. Vic Klemas, Director, Center for Remote Sensing, at (302) 831-8256 or Dr. X-H. Yan, Associate Director, at (302) 831-3694.

CENTER FOR THE STUDY OF MARINE POLICY

Since 1973, the Center 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 post-doctoral visitors. Research at the Center is carried out by its co-directors in association with other marine policy faculty, other UD natural and social scientists, scholars at other universities, postdoctoral fellows, and graduate research assistants.

Examples of research: International environmental negotiations related to the 1992 Earth Summit; implementation of Earth Summit agreements on global climate change, biodiversity, integrated ocean/coastal management, sustainable development of island states, and inter-jurisdictional fisheries; policy opportunities and constraints facing the environmental technology industry; conceptual framework for multiple-use ocean management; regional approaches to ocean management; policy issues in marine biotechnology; impacts of sea-level rise in coastal communities; design for national ocean policy; ocean/coastal management issues in the Mid-Atlantic; remote sensing and managing ecosystem health; coastal erosion policies for Delaware.

Policy analysis/advice to national and international entities: Includes the World Bank; Intergovernmental Oceanographic Commission; National Research Council; National Oceanic and Atmospheric Administration; Maritime Administration; National Marine Fisheries Services, Department of Interior; States of Delaware and Hawaii; Western Governors' Association; Pacific Basin Development Council; Coastal States Organization; and U.S. Environmental Business Council. The Center also administers the NOAA Coastal Ocean Policy Roundtable.

Special programs with other institutions

Secretariat to the Ocean Governance Study Group: A network of leading marine policy scholars and advisors that conducts scholarly analyses and organizes conferences, publications, and briefings on options for improving ocean governance in the United States and internationally.

Cooperative Exchange Programs: The Center has cooperative exchange programs with 5 universities in Canada, Mexico, and the U.S., and with the Korean Ocean Resources Development Institute.

Port of Singapore Certificate Program in Port Management: A joint program aimed at mid-career professionals from around the world.

Train Sea Coast Programme, UN Law of the Sea Office: The Center is one of 9 academic centers in the world participating in a UN-organized training network in ocean and coastal management.

Marine Affairs and Policy Association: The Center has played a leading role in the formation and administration of this professional association and publishes the association's directory.

International Coastal and Ocean Organization (ICO): Representing ICO, Center researchers are accredited to the UN's Economic and Social Council and participate in UN conferences related to Earth Summit implementation.

Publications and Conferences: The center's extensive program of publications and conferences includes the international journal, **Ocean and Coastal Management** (published 12 times a year by Elsevier Publishers, United Kingdom), publications of the Ocean Governance Study Group, and policy analysis reports for national and international agencies. The Center organized 12 conferences and workshops during 1992-95 and hosts an active speaker program.

CENTER FOR TEACHING EFFECTIVENESS

The Center for Teaching Effectiveness is a central faculty development service dedicated to promoting excellence in teaching at the University of Delaware. To this end, the Center sponsors a series of faculty colloquia, roundtables, workshops, and seminars for the presentation and discussion of current issues, ideas and developments in higher education. Two teaching consultants are available to aid teaching staff through private, confidential consultation, and to assist new and experienced faculty and teaching assistants with individual and collaborative projects for teaching improvement. Departmental groups and committees make use of the consultants for sessions on special topics. Each year, proposals for improvement-of-instruction grants are solicited from regular full-time faculty of every rank and discipline and professional staff with comparable teaching responsibilities. All proposals receive careful evaluation by a faculty advisory committee which then makes recommendations for funding. A number of small grants are also provided each year for departmental instructional development and special projects. The Center offers a fall orientation conference for all teaching assistants and ongoing assistance to departmentally based, discipline-specific teaching assistant training. The *Handbook for Teaching Assistants* is also available to new and experienced faculty. The Center's two newsletters, "About Teaching" and "Teaching Excellence," appear several times a year and are distributed to the faculty, administration, and teaching assistants of the University.

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 national 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 the Extension to reassess priorities and continuously adapt programs and activities to meet human needs.

Undergraduate students find opportunities to work with Extension specialists to gain practical experience in dealing with the public and in providing information to the public on a wide variety of agriculturally related topics.

DELAWARE BIOTECHNOLOGY INSTITUTE

The Delaware Biotechnology Institute has been created to develop a biotechnology center of excellence in Delaware. The Institute is a partnership involving state government, the publically-funded institutions of higher education (Delaware Technical & Community College, Delaware State University, and the University of Delaware) and area industry whose business interests are dependent on life sciences.

The mission of the Institute is to promote economic development, create high quality jobs, provide biotechnology-based education, and engage in leading-edge scientific discovery. To carry out the scientific discovery mission, a multidisciplinary and interactive research capability is being created. The core disciplines will be Biological Sciences – plant, animal, and cell – and the disciplines at the interface between biology, biochemistry and engineering. To

execute the educational mission, four new programs are being developed, ranging from an associate degree program to graduate level study. For more information, please contact the Institute at (302) 831-4888.

DELAWARE CENTER FOR TEACHER EDUCATION

The Delaware Center for Teacher Education (DCTE), part of the College of Human Resources, 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 teacher and professional development in line with new state content standards and accountability requirements. In addition to administering the Alternative Routes to Teacher Certification program 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 Resources, Education, and Public Policy: ASPIRE; the Education Resource Center; the Office of Clinical Studies; the Office for Coordination of Intercultural Teacher Education (CITE); the Office of Educational Technology (EOT); and the Office of School Volunteers. For further information about DCTE, call (302) 831-3000 or visit the web site at <http://www.udel.edu/dcte/>.

DELAWARE EDUCATION RESEARCH AND DEVELOPMENT CENTER

The Delaware Education Research & Development Center, part of the College of Human Resources, 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 research on and dissemination of both local and national best practices. 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-rdc@udel.edu or call (302) 831-4433.

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 cooperators 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. 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, 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. For further information, contact the Survey or the DGS Earth Science Information Center at (302) 831-2833, by E-mail at: DGS@mvs.udel.edu, or on the web at <http://www.udel.edu/dgs/dgs.html>.

DELAWARE TRANSPORTATION INSTITUTE

The Delaware Transportation Institute (DTI) 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. DTI identifies research opportunities for faculty and staff researchers and coordinates research opportunities with DelDOT and others. The objective of DTI's research program is to improve the development and operation of transportation systems, policies, and programs that serve Delaware and the nation.

DISASTER RESEARCH CENTER

The Disaster Research Center (DRC), the first center of its kind in the world, was established 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 and technological disasters. Since its inception, DRC teams, mostly made up of graduate students supported by the Center, have undertaken more than 590 different field studies, including a number outside the United States. Current and recent funding is from the National Science Foundation, the Federal Emergency Management Agency, the National Center for Earthquake Engineering Research, the U.S. Geological Survey, and the NOAA Sea Grant Program. The resource collection of the center, numbering over 40,000 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 writing the Office Coordinator, Disaster Research Center, University of Delaware, Newark, DE 19716, or by calling (302) 831-6618. DRC's home page can be accessed through <http://www.udel.edu/DRC/drc.htm>

THE FINANCIAL INSTITUTION RESEARCH AND EDUCATION CENTER (FIRE)

The Financial Institution Research and Education Center focuses the efforts of the College of Business and Economics on issues relevant to the financial services industry in Delaware. FIRE's resources provide grants to Delaware's College of Business and Economics faculty to produce analyses of problems relevant to the financial services industry which will be of value to executives within the industry and to public policy officials throughout the state. The center uses some of its resources to expand the availability of courses about the management of financial institutions, securities and insurance, and other fields. Drawing upon its relationship with the **American Bankers Association** and the **Stonier Graduate School of Banking**, the center offers continued professional education to students and faculty through workshops, seminars, and publications. FIRE also serves as a research resource to the state banking and insurance commissions.

HISTORY MEDIA CENTER

The Center provides graduate 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 Resources, 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 25-year legacy of providing innovative expertise and assistance to local, state, and regional governments. The Conflict Resolution Program and the Water Resources Agency, both newly housed under IPA, as well as the International Union of Local Authorities's (IULA) Office for Research and Training increase the breadth of its outreach.

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

IPA manages the student internship for the College's 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 critical issues such as educational reform, land use planning, and environmental concerns. For further information, call (302) 831-8971 or visit the IPA web site <http://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 summer 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, including a second week-long session in January.

For further information, please contact Professor George Watson (302) 831-6677 or Professor Barbara Duch (302) 831-2066; e-mail: ud-itue@udel.edu or visit <http://www.udel.edu/inst/>

INSTITUTE OF ENERGY CONVERSION

The Institute of Energy Conversion (IEC), established in 1972, is a laboratory devoted to research and development of thin-film photo-

voltaic cells. Fundamental material and device research is carried out in parallel with process engineering studies and analysis of film deposition processes.

The Institute has a staff of some 23 professional and support personnel. This number is augmented each year by programs providing partial support for faculty, visiting scientists, and graduate and undergraduate students. Professionals from the Institute jointly supervise graduate students in Chemical Engineering, Electrical and Computer Engineering, Materials Science and Engineering, Mechanical Engineering, and Physics for their Master's and Ph.D. degrees. Additionally, professional staff lecture in undergraduate courses as well as supervise undergraduate research projects.

MATHEMATICS AND SCIENCE EDUCATION RESOURCE CENTER (MSERC)

The Mathematics & Science Education Resource Center (MSERC), part of the College of Human Resources, Education, and Public Policy, exists to help 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.

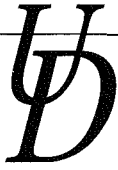
MSERC also collaborates with local school districts, the Department of Education, and other agencies and groups dedicated to enhancing mathematics and science education in Delaware.

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 Board of Editors and the in-house editor, learning 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.udpress.udel.edu/udpress/index.html>

WATER RESOURCES CENTER

The federally created center supports research through the academic departments on the water-related problems of Delaware. Faculty in agriculture, engineering, 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, and students may be supported as research assistants. Traditionally, more than half of the research funds have been used for student support.



FLEXIBLE PROGRAMS PROMOTE LIFELONG LEARNING

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 - **Governor's School for Excellence**
 - **UD Summer College**
 - **Upward Bound**
 - **Upward Bound for Math/Science Regional Center for Science and Mathematics**

TAKE COURSES THROUGHOUT THE STATE

Primarily for Delaware resident undergraduates, the University of Delaware Parallel Program is made up of three satellite campuses of the University located at Delaware Technical & Community College sites in Dover, in Georgetown, and in Wilmington. The program is the responsibility of the Associate Dean for Outreach in the College of Arts and Science. For information, call (302) 831-6075.

Parallel students are full citizens of the University:

- They receive University of Delaware identification cards, entitling them to all academic, cultural, and recreational privileges that Newark campus students enjoy.
- They may participate in all activities that Newark students do—musical groups, theatre productions, clubs, and intramural sports. Because of an NCAA residency requirement, however, Parallel students may not participate in NCAA-sanctioned sports.
- Their courses are University of Delaware courses taught by University of Delaware faculty. Students taking Microeconomics, for example, use the same text and syllabus and take the same exams no matter what campus they are on—Newark, Dover, Georgetown, or Wilmington. And many Parallel faculty teach on the Newark campus as well as on the Parallel campuses.
- If they meet the requirements of the major, Parallel Program students may be admitted into any major offered by the College of Arts & Science. They may also be admitted as Arts and Science, Undeclared, students, choosing a major at a later date.”
- Their transcripts are University of Delaware transcripts—students do not transfer to the Newark campus; they merely register for courses on the campus of their choice.

And, as a result of a partnership agreement between the University and Delaware Technical & Community College (DTCC), Parallel students are also full citizens of DTCC:

- They receive DTCC identification cards, entitling them to all academic, cultural, and recreational privileges that DTCC students enjoy.
- They may participate in all activities that DTCC students do. And because of the same NCAA-residency requirement, Parallel students may participate in NCAA-sanctioned sports at DTCC.

Under the partnership agreement, the University is responsible for all academic programs and services, and DTCC is responsible for providing space and support services. Also, as a result of this unique agreement, tuition for students on Parallel campuses is significantly lower than for students on the Newark campus.

Students enter the Parallel Program in a variety of ways:

- They select the program when they apply for admission to the University.
- Admissions counselors think their chances of academic success are greater if they begin on a Parallel campus because they will be in smaller classes and receive more individual attention than they might on the Newark campus.
- They move to a Parallel campus from the Newark campus.

Once they are in the program, students must spend at least two full semesters there. Parallel students are expected to continue on the Newark campus after their fourth semester in the program. The timing of their move to the Newark campus is determined in consultation with the assistant dean at their site.

On the Dover and Georgetown campuses, students may complete all the requirements for a baccalaureate degree in selected majors—bioresources engineering, criminal justice, general agriculture, hotel, restaurant and institutional management, and liberal studies.

FLEXIBLE PROGRAMS ABOUND IN CONTINUING EDUCATION

The Division of Continuing Education extends the University of Delaware's academic resources to citizens throughout the state through credit courses, certificate programs, nondegree short courses, public lectures, art exhibits and other cultural events, summer institutes, travel programs and conferences. Programs are taught or conducted by University faculty members and by outstanding professionals in the community.

The Division offers the following certificate programs:

- Business and Technical Writing
- Community Development
- Community Policing
- Computer Applications
- Customer Service
- Legal Assistant
- Nonprofit Management
- Project Management
- Purchasing Administration
- Supervision and Leadership
- Total Quality Management
- Training and Employee Development
- Webmaster
- Women's Studies

In addition, the Division of Continuing Education 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 Education students. (See the Resources for Students chapter.) For more information, call (302) 831-2741.

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 Continuing Education for credit courses to provide personal enrichment, or to keep up-to-date in their fields. Both daytime and evening courses are available to Continuing Education students.

Matriculated students can earn degrees through part-time study by completing classes that fit their schedules. In Wilmington and in Newark, degrees available through part-time study include: Accounting, Chemistry, Computer and Information Sciences, 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 Liberal Studies/Humanities, Liberal Studies/Social Sciences, Criminal Justice, Engineering Technology, and General Agriculture. 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 students, contact the Credit Programs Office in the Division of Continuing Education, (302) 831-1114.

DISTANCE LEARNING BRINGS THE CAMPUS TO YOU

FOCUS/Distance Learning (Flexible Options for Continued University Study) 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 videotaped in the University's instructional television classrooms. Videotapes are then 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 are also available via a two-way video and audio link between the Newark campus and the William A. Carter Partnership Center on the Delaware Technical & Community College campus 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 FOCUS/Distance Learning system, with enrollment limited to students who have been accepted in that major. FOCUS/Distance Learning courses also cover the core curriculum in the undergraduate Hotel, Restaurant and Institutional Management (HRIM) program, as well as many elective and support courses that fulfill requirements for this and other degree programs. Each semester a number of the courses required for the HRIM program also are available through the JEC College Connection, a nationally distributed cable television education network.

A toll-free telephone number—1-800-UD-FOCUS—is the distance student's link to the University's administrative and academic departments.

LEARNING SHOULD LAST A LIFETIME

The Academy of Lifelong Learning, sponsored by the Division of Continuing Education, provides more than 100 college-level, non-credit 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 Arsh Hall on the Wilmington Campus, the southern Academy in the Virden Center on the Sharp Campus in Lewes, Del.

COMPETITIVE STUDENTS CAN START EARLY

The College Enrollment Program and 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 their guidance counselors, 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, call the ACCESS Center at (302) 831-2741.

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 minority (African American, Hispanic, Native American) high-school students (post 10th & 11th graders) in the applied sciences and engineering professions. The College of Engineering, with support from FAME Inc. and other organizations, offers a five-week academic enrichment program in the summer for talented minority high school

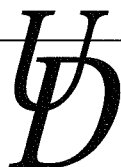
students with demonstrated potential for success in applied science and mathematics areas. The curriculum includes, but is not limited to, course work in mathematics, science, English, and engineering design. For further information, call (302) 831-6315.

The Governor's School for Excellence is a one-week summer 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 Continuing Education at (302) 831-3475.

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 May 1. For more information, call the Summer College Office at (302) 831-6560 (mornings).

The Upward Bound Program at the University of Delaware, housed within the Academic Services Center, is a year-round program designed to serve 45 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 selected participants. For more information, please contact the Academic Services Center for Pre-College Programs, George Evans House, 5 West Main Street, Newark, DE 19716, (302) 831-4102.

The Upward Bound Math/Science Regional Center for Science and Mathematics at the University of Delaware, housed within the Academic Services Center, is designed to serve 40 eligible high school students who are U.S. citizens or permanent residents. Students who have completed the 9th grade, from Delaware, Maryland, and Pennsylvania, 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, composition 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.



FEES AND FINANCIAL AID

- What UD Fee Policies Apply to Me?
- What's 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?
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- 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?

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 33 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 \$4,601 per semester/\$9,202 per year (Delaware resident) or \$8,601 per semester/\$17,202 per year (non-resident). Winter and Summer Session fees are additional. Please see details below on 1998-99 tuition, room, and meal fees, which are subject to change for the 1999-2000 academic year. (Fees and expenses for the Continuing Education programs are published separately.)

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	\$ 177.00	\$ 236.00	\$ 510.00	\$ 681.00
2	354.00	472.00	1,020.00	1,362.00
3	531.00	708.00	1,530.00	2,043.00
4	708.00	944.00	2,040.00	2,724.00
5	885.00	1,180.00	2,550.00	3,405.00
6	1,062.00	1,416.00	3,060.00	4,086.00
7	1,239.00	1,652.00	3,570.00	4,767.00
8	1,416.00	1,888.00	4,080.00	5,448.00
9	1,593.00		4,590.00	
10	1,770.00		5,100.00	
11	1,947.00		5,610.00	
12				
13				
14				
15		2,125.00		6,125.00
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 Undergraduate	NON-RESIDENT Undergraduate
18	\$ 177.00	\$ 510.00
19	354.00	1,020.00
20	531.00	1,530.00
21	708.00	2,040.00

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

Tuition Rates	DELAWARE RESIDENT	NON-RESIDENT
Per Credit Hour	\$ 298.00	\$ 681.00
Full-Time (9 or more credit hours)	2,680.00	6,125.00

Graduate Student Sustaining Fee – Master's Sustaining Fee is \$230.00. Doctoral Sustaining Fee is \$350.00. (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 \$575 per year for books and supplies, and \$1,300 for transportation and miscellaneous other expenses.

WINTER SESSION TUITION (1999)

TUITION RATES — Per Session

Credit Hours	Delaware Resident		Non-Resident	
	Undergrad	Graduate	Undergrad	Graduate
1	177	236	510	681
2	354	472	1020	1362
3	531	708	1530	2043
4	708		2040	
5	Maximum Tuition		Maximum Tuition	
6	\$ 797		\$ 2295	
7				

Tuition for Master of Business Administration and Master of Economics/Business Administration Students.

	Delaware Resident	Non-Resident
per Credit	\$298	\$681
No maximum applies to Graduate Level courses		

SUMMER SESSION TUITION (1999)

TUITION RATES — Per Session

Credit Hours	Delaware Resident		Non-Resident	
	Undergrad	Graduate	Undergrad	Graduate
1	177	236	510	681
2	354	472	1020	1362
3	531	708	1530	2040
4				
5	Maximum Per Session		Maximum Per Session	
6	\$708		\$2040	
7				

Tuition for Master of Business Administration and Master of Economics/Business Administration Students.

	Delaware Resident	Non-Resident
per Credit	\$298	\$681
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.

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

WHAT DOES IT COST TO LIVE ON CAMPUS?

HOUSING RATES 1998-99

Residence Hall	Academic Year	Per Semester
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Traditional*

Standard Multiple	\$2,700	\$1,350
with bath	\$2,860	\$1,430
Economy Single	\$2,920	\$1,460
Standard Single	\$3,210	\$1,605
with bath	\$3,440	\$1,720

Pencader

Double	\$2,860	\$1,430
Single	\$3,440	\$1,720

Ray Street

Double	\$3,020	\$1,510
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Christiana

1/4 2-bdrm. apt.	\$3,070	\$1,535
1/2 1-bdrm. apt.	\$3,840	\$1,920

Conover (Family and Graduate Housing)

2-bdrm. apt.	\$730/month	unfurnished	\$710/month
1-bdrm. apt.	\$650/month	unfurnished	\$630/month

College Towne (Graduate Housing)

1-bdrm. apt.	1 occupant	\$660/month
	2 occupants	\$330/month
2-bdrm. apt.	large bdrm.	\$400/month
	small bdrm.	\$350/month

Graduate House (Graduate Housing)

Single Room	\$370/month
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*Rooms in air-conditioned residence halls on the mall are an additional \$50 per semester, per student.

WHAT SHOULD I KNOW ABOUT LIVING ON CAMPUS?

On-Campus Undergraduate Housing

New admitted students and returning on-campus students automatically receive residence hall applications and instructions. Returning students who have previously lived off-campus may obtain applications from Housing Assignment Services, 5 Courtney Street, or may use the online application at <http://www.udel.edu/hcs/>.

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 <http://www.udel.edu/hcs/offcampus/listmenu.htm>.

The purchase of a meal plan is mandatory for undergraduate students living in all residence halls except the Christiana Towers.

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

To apply for a residence hall space, new students submit the completed room application, along with a \$100 deposit, to the University Cashier's Office. 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 will forfeit the entire deposit.

Returning students submit the application with a \$200 deposit, to be credited toward the academic-year residence hall charges. 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 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, below).

Graduate and Married Student 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 obtain listings of some current housing options from Housing Assignment Services, <http://www.udel.edu/hcs/offcampus/listmenu.htm>.

Information and applications for on-campus graduate student housing are sent upon admission and may also be obtained online at <http://www.udel.edu/hcs/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, as detailed in *The Official Student Handbook* (<http://www.udel.edu/stuhb>). 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.

Housing Agreement

By submitting a *Student/Graduate Student and Family Housing Agreement*, you can reserve space in student housing facilities — but not a specific room or bed. The University makes every effort to honor housing preference requests, if possible. You will need to pay the full cost for your assigned room or apartment, whether or not you received the type of housing you requested.

Your submitted *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's bind-

ing 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 agree after the beginning of any semester will pay a prorated portion of the semester charge determined by the date of occupancy. On the date at which the *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 cost of the 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. Details are available in *The Official Student Handbook* (<http://www.udel.edu/stuhb>).

When you submit an application for university housing, you agree to comply with the terms of the *Housing Agreement*, all rules described in the *Official Student Handbook*, and any other policies pertaining specifically to your assigned space. Housing Assignment Services reserves the right to reassign you to another space if (1) 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 the Manager of 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 the Manager of 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, as well as delivery 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 wide variety of dining plan options are available for students living on campus. **All students in residence halls, except those in Christiana Towers Apartments, are required to purchase a dining plan for each semester/session.**

Each dining plan consists of a certain number of weekly meals to be used in any of the four dining halls, plus a certain 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 fine dining 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 the Library Commons, or at any University Box Office, the Cashiers Office, or the outside drop slot at the Student Services Building. **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, however, all unused points are forfeited and have no refundable value.**

Dining plans are valid and 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.

SELECTING AND CHANGING DINING PLANS

The Housing/Dining preference "scan form," mailed in the spring, allows students to make an initial selection of dining plans. This selection can be changed, however, by completing the Choose or Change form, which is enclosed in the estimated semester/session bill. If the student makes no selection, he or she will automatically be billed for the plan providing 12 meals per week plus \$160 in points.

After the student arrives on campus, dining plan selections may be changed one time between the day that classes begin until the published change-of-registration deadline for classes. For spring semester, the fall dining plan selection will automatically be reassigned unless the student makes a formal request to change, using the Choose or Change form.

CANCELING DINING PLANS

Requests to cancel a Dining Services Agreement for the current semester or session must be made in person at the Student Services Building. Dining plans may be canceled only if:

1. A student is released from the *Housing Agreement*.
2. Cancellation is warranted for medical reasons, which are documented by the Student Health Center and after consultation with a Dining Services registered dietitian.
3. Residency is in the Christiana Towers Apartments, the Graduate House, College Towne/Conover apartments or off-campus, and the request is made by the academic drop/add deadline.

If the Dining Services Agreement is officially canceled, your student account will be credited based on a proration of unused dining plan meals for the remaining days in the term less two weeks (14 days), plus the value of any unused points. Any credit balance in your student 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.

DINING PLANS FOR CHRISTIANA TOWERS APARTMENT, GRADUATE STUDENTS, MARRIED STUDENTS AND COMMUTERS

Selection of a dining plan is optional, but for 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 dining and/or points plan. The deadline for changes or cancellations coincides with the published change-of-registration deadline for classes. The minimum purchase for a Christiana Apartment & Commuter Points Plan is \$150, but the student may purchase any amount over that minimum. **Unused points balances may be carried over from summer session to fall semester, winter session and/or spring semester. All unused points are forfeited at the end of the spring semester and have no refundable value.**

Option 2: Students may open a UD1 FLEX account in place of a dining or points plan. Flexible spending accounts may be used at all dining locations and for a variety of campus services, including the bookstore, library, laundry machines and the Student Services Building. Unused UD1 FLEX balances carry over from year to year and are fully refundable to the student's account upon request. A dining plan or a UD1 FLEX account may be purchased at the Student Services on Lovett Avenue, (302) 831-4033.

ACCESSING DINING FACILITIES

The student ID, the UD#1 CARD, is the "ticket" into dining halls, campus convenience markets and many snack and restaurant locations across campus. Upon entry to a dining hall, a checker will slide the UD#1 CARD through a microcomputer, which automatically deducts the cost of that meal from your weekly allowance. **The UD#1 CARD is not transferable. It can only be used by one person, and it must be presented for all Dining Services transactions. To prevent unauthorized transactions on the account, report a lost UD#1 CARD immediately by calling UD1 CARD (831-2273), 24 hours a day. Replacement cards are issued by the UD#1 CARD office in the Student Services Building.**

HOW MUCH WILL MEALS COST?

DINING FEES 1998-99

Plan	Value per Semester	Cost/Semester
1	Any 19 meals/week plus \$ 20 in points	\$ 1,126
2	Any 18 meals/week plus \$ 40 in points	\$ 1,126
3	Any 17 meals/week plus \$ 60 in points	\$ 1,126
4	Any 16 meals/week plus \$ 80 in points	\$ 1,126
5	Any 15 meals/week plus \$100 in points	\$ 1,126
6	Any 14 meals/week plus \$120 in points	\$ 1,126
7	Any 13 meals/week plus \$140 in points	\$ 1,126
8	Any 12 meals/week plus \$160 in points	\$ 1,126
9	Any 11 meals/week plus \$180 in points	\$ 1,126
10	Any 10 meals/week plus \$200 in points	\$ 1,126
11	Any 9 meals/week plus \$220 in points	\$ 1,126
12	Any 8 meals/week plus \$240 in points	\$ 1,126
13	Any 7 meals/week plus \$260 in points	\$ 1,126
14	Any 6 meals/week plus \$280 in points	\$ 1,126
15	Any 5 meals/week plus \$300 in points	\$ 1,126

Commuter & Christiana Plans

a. Any 3 meals/week plus \$260 in points	\$727
b. 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 \$15 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 late-registration period.**

Summer/Winter Session Registration Fee. All students who register for summer or winter sessions are assessed a \$15 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 a \$177* fee per credit hour. Undergraduate nonresidents who enroll for fewer than 12 credits pay \$510* per credit hour. Courses taken as an auditor are included in the credit-hour total. A \$15 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 \$45* 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 \$50 per semester, during fall and spring semesters.

New Student Orientation Fee. Newly matriculated undergraduate students (including transfers) are required to pay a \$50* 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 (\$20)*

Student Health Service Fee. Every semester, a mandatory \$138* 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 (\$38*) 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 \$51* 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 FOCUS 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.

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.

Transcript Fee. Prepayment of \$4* is required for each official transcript. Transcripts cannot be released until all outstanding financial obligations are met. One week is normally required to process any transcript request, which must be made in writing by the student.

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 the student's responsibility to make any necessary adjustments to the bill, and to return the fee-payment form to the Cashier's 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. 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 \$40* service fee, matriculated 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.

*Fee approved for the 1998-99 academic year. Subject to change for the 1999-2000 academic year

Fall Semester		Spring Semester	
August 1	25%	By the date specified	25%
September 20	25%	February 20	25%
October 20	25%	March 20	25%
November 20	25%	April 20	25%

The Installment Payment Plan is only one of the payment options offered through the University. The Delaware Plan is a comprehensive financing program for matriculated students. A Guaranteed Prepaid Tuition Plan allows families to pay cash or borrow up to the full amount necessary to prepay up to four years of full-time tuition at the current full-time tuition rate. Lines of Credit allow families to borrow funds at a very reasonable rate to pay for University expenses as needed. The Delaware Plan is a partnership between the University and CoreStates First Pennsylvania Bank. For further information on The Delaware Plan, 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 CANCELED.*
- 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 \$35* 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 \$50* 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.

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. Such students must cover the cost of books, laboratory supplies, and shop fees. 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 FOCUS video-based courses. FOCUS tuition and fees must be submitted with registration. They must submit a Fee Payment Form and pay the summer general fee, student center 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 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.

*Fee approved for the 1998-99 academic year. Subject to change for the 1999-2000 academic year.

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.

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. The Department of Education will mail Renewal Applications to students in December. Students who do not receive a Renewal Application should obtain a FAFSA from the Student Services Building.

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 require that the institution return monies to the federal financial aid programs after the refund policy is used

to calculate the program refund(s). First-time Title IV recipients who withdraw prior to the completion of the 60% point of the enrollment period are governed by the Pro-Rata Refund calculation. Other Title IV recipients are governed by the Federal Refund Policy calculation and may be eligible for the Federal Refund Calculation if they withdraw within the first eight (8) weeks of the term.

FEDERAL PRO RATA REFUND CALCULATION EXAMPLE CASE STUDY #1

Robert Jones is an out-of-state freshman who lives on campus. For the fall semester 1998, his cost of attendance is as follows:

Tuition	\$6,125
Student Health Fee	138
Comprehensive Fee	45
Student Center Fee	50
Orientation Fee	50
Installment Fee	40
Room	1,350
Board	1,126
Total Institutional Costs	\$8,924

As a first time student, Robert is governed by the Federal Pro Rata Refund Calculation. He officially withdrew from the University on October 8, 1998, during the sixth week of classes. Based on his withdrawal date, the percentage used to calculate the Federal Pro-Rata Refund is 60.

Robert received the following financial aid for the fall semester:

Federal Direct Subsidized Loan	\$1,260
Federal Perkins Loan	500
Federal Direct PLUS Loan	1,880
Private Scholarship	1,000
Total Financial Aid	\$4,640

Robert made the following payments:

Admissions Deposit	\$200
Room Deposit	100
Semester Payment	996

In accordance with the Pro Rata refund calculation, the following amounts are returned to the federal aid programs:

Federal Direct Subsidized Loan	\$1,260
Federal Direct PLUS Loan	1,022

An administrative fee of \$100.00 and charges of \$2,988 owed to the University were deducted from the funds refunded to the federal programs.

FEDERAL REFUND POLICY CALCULATION EXAMPLE CASE STUDY #2

Tina Smith is a sophomore and a Delaware resident who lives at home. She is not a first-time student; therefore she is governed by the Federal Refund Policy. Her cost of attendance for the fall semester 1998 is as follows:

Tuition	\$2,125
Student Health Fee	138
Comprehensive Fee	45
Student Center Fee	50
Total Institutional Costs	\$2,358
Student Payment	\$388

Tina received the following financial aid for the fall semester:

Federal Pell Grant	\$1,250
Federal Direct Subsidized Loan	720
(\$750, less fees)	
Total Financial Aid	\$1,970

Tina began her classes on September 3, 1998. She completed her withdrawal through the Dean's Office on October 2, 1998, during the fifth week of the semester.

The percentage used to calculate the Federal Refund is 25. As a result, \$564.50 will be returned to the Federal Direct Subsidized Loan Program. An administrative allowance fee of \$100 was charged.

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.

Handouts for the Title IV recipient withdrawals, explaining the policies, procedures and examples of adjustments are available upon request at the Student Services Building, Lovett Avenue and the Office of Scholarships and Financial Aid, 224 Hullihen Hall.

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 Education Opportunity Grants, Federal Perkins and Nursing Loans, Federal College Work-Study 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) 831-8761. 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 Dean of Students with Student Life Issues**
- **Academic Advisement to Keep You on Track**
- **Maximize Your Academic Performance**
- **Need Help with Math?**
- **Improve Your Writing Skills**
- **Supporting the Academic Success of All Students**
 - **A.S.P.I.R.E.**
 - **Fortune**
 - **NUCLEUS**
 - **RISE**
- **Ensuring that All Students Feel Welcome**
- **Understanding Women's Issues**
- **Is English Your Second Language?**
- **Welcoming Members of Our International Community**
- **Keeping Our Students Healthy**
- **Counseling Care to Meet Your Needs**
- **Ensuring Accessibility for Students with Disabilities**
- **Prepare for Future Success with Career Services**

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 and printing copies of their course schedules.

THE RICH RESOURCES OF THE UNIVERSITY LIBRARY

The University of Delaware 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, periodicals, microforms, government publications, electronic databases and software, maps, manuscripts, media, 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.

Over 2,300,000 volumes of books and journals, and more than 2,900,000 items in microtext are included in the collections, which are broadly based and comprehensive, with emphasis on the social sciences, humanities, science and engineering. Special Collections include the Delaware Collection; the Unidel History of Chemistry Collection; the Unidel History of Horticulture & 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. 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 Library is a member of the Association of Research Libraries, the Center for Research Libraries, and PALINET, through which it is connected online to OCLC, the Online Computer Library Center.

The Morris Library provides seating for approximately 3,000 special purpose space for computer-based systems, direct access to various computer facilities for Library users, a periodical reading room, a Special Collections area including an exhibition gallery and a reading room with a controlled environmental system for rare materials, a microcomputing center, a media area and viewing room, and special equipment and areas to assist users with disabilities.

The University of Delaware Library home page on the World Wide Web (<http://www.lib.udel.edu/>) offers access to many of the Library's electronic resources, including DELCAT, the University's online catalog, which contains information on materials located in the Morris Library and all branch libraries. DELCAT may also be

accessed via dedicated workstations in the Libraries, through the University computing network, and either by computer modem from anywhere in the world or via the internet.

The Library provides online electronic access to more than 120 Library Networked Databases, which include the *Encyclopedia Britannica*, journal article references and abstracts, full-text electronic articles, and government information. Library Networked Databases contain hundreds of thousands of references and summaries of the contents of journals. Library networked databases also include more than a dozen large full-text databases including *Expanded Academic ASAP*, *Business Index ASAP*, *LEXIS-NEXIS UNiVerse*, *Health Reference Center*, and *JSTOR*, which contain online entire articles from thousands of journals. Most Library Networked Databases are accessible from residence halls, offices and buildings throughout the University, and to University users from off-campus using a computer modem and UD computing accounts. The Library Web page serves as a gateway research tool and provides access to electronic resources on the World Wide Web, including those licensed for UD faculty, staff, and students. To assist users in navigating the World Wide Web, the Library has created more than 90 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.

For further information, call (302) 831-2965. For Library hours, call (302) 831-BOOK (2665), or check the library web site (<http://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 probably 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 resources, 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 classrooms have connections at student seats to facilitate use of laptop computers. 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. Several general access computing sites (<http://www.udel.edu/sites/>) are available for student use on campus, and these have network ports to connect laptop computers. 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 at <http://www.tsc.udel.edu/>

What computer should I bring to campus? The University offers full support for both Windows 95 and 98 and Apple MacOS 7.5.x or 8.x systems. If you plan to bring a computer to campus, you should bring one that meets the following minimum configuration:

- 32 MB RAM (memory).
- 233 Mhz CPU speed (PowerPC or newer; Intel Pentium or newer).
- Windows 98 or MacOS 8.x (operating system software).
- UD-supported 10 Base-T Ethernet adapter and 10 Base-T cable (residence halls).
- 56Kbps AT-command set modem (off campus).
- 4 GB Hard disk.
- Diskette drive.
- CD-ROM drive (24x or faster).
- 15" monitor that supports at least 256 colors and 640x480 pixel resolution (SVGA monitor for a Windows system; Multiple Scan Display for a Macintosh).
- 101-key keyboard.
- A mouse or other pointing device.
- Microsoft Word 6.x (or later).
- Licensed copies of other application software as needed.

If your computer does not meet these specifications, it is not likely to work in the University environment and you will not be able to avail yourself of University support. *Note:* Because computing technology is changing rapidly, please refer to the TSC's web site at <http://www.tsc.udel.edu/>, for the most up-to-date information regarding system minimum requirements.

If you are buying a new system, buy for the long term. Each year, the technology enables you to do more sophisticated tasks. However, the new tasks you will need to use in two or three years may require more computing power than today's low-end computers. If you are buying a new computer, here are three key factors to consider:

- CPU speed: Try to purchase a computer with a CPU rated at 233 Mhz or faster. If you can afford a 350-450MHz system (either Intel's Pentium II, or a PowerMac G 3 system), you will further lengthen your system's life.
- Memory: 32M is the minimum we recommend. Make certain that if your system only has 32M of RAM, that you can upgrade it to 64M later in your college career.
- Expansion slots: Make sure that your computer has at least one expansion slot in case you decide to add extra features later.

How do I connect my computer to the campus network?... It depends!

On campus – Every residence hall room is wired for connection to the network. You will need a standard 10 Base-T cable to connect the Ethernet adapter in your computer to the wall plate in your room.

Off campus – You can connect to the network using a telephone modem. Using "Point to Point Protocol" (PPP) software, you can dial in and access the network over your existing telephone line. PPP gives off-campus students full access to the university's network and the Internet.

How can I get the network software that I need? The software you need to connect to the campus network, whether you live on or off campus, is available to members of the University community for a nominal fee and is sold at the University Bookstore. The instructions for set up are included in the packets sold at the Bookstore. *Note:* If you own a Windows 95 or 98 computer, you don't need to purchase any network software. However, you must configure the network software already on your computer to work with the campus network.

For further information about information technologies, call the IT Help Center at 831-6000 or check the web site at <http://www.udel.edu/help/>.

VISIT THE DEAN OF STUDENTS WITH STUDENT LIFE ISSUES

The Office of the Dean of Students is directly responsible for overseeing fraternities and sororities, crisis management, volunteerism, the Judicial System, and the Student Problem Solving and Action Network (SPAN—see <http://www.udel.edu/SPAN/>). In addition, the office can approve student-initiated withdrawals from the University and serves as an advocate for students who are having any problems which might impact their educational progress. You can contact the office at (302) 831-8939 or (302) 831-2116, or visit the office's web site at <http://www.udel.edu/deanofstudents/>.

ACADEMIC ADVISEMENT TO KEEP YOU ON TRACK

Academic advisement is available to matriculated undergraduate students through faculty affiliated with the student's major and through advisement centers in the undergraduate colleges (see the online list of advisement centers at <http://www.udel.edu/catalog/current/advcenters.html>). 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. 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.** 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 <http://www.udel.edu/Registrar/sispal.html>.

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 <http://www.udel.edu/ContEd/access.html>) for career counseling and interest assessment, educational planning and academic advisement, and administrative assistance. Offices are located in Newark at Clayton 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 non-credit courses.

MAXIMIZE YOUR ACADEMIC PERFORMANCE

The Academic Services Center offers activities that provide undergraduates with extensive academic assistance, through **individual tutoring, group study sessions, mentoring, 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 and is updated regularly.

Learning Disabilities Services: Students who have a documented learning disability are asked to make an appointment by calling 831-1639. At that time, staff will review testing and arrange reasonable accommodations for students with documented disabilities. After the initial session, each student is required to make a second appointment to be oriented in regards to the policies and procedures for receiving testing accommodations. Services for students with learning disabilities, Attention Deficit Hyperactive Disorder (ADHD or ADD), and traumatic head injury (acquired learning disability) include the following: mentoring, academic coaching, student advocacy, referral to other university service providers, study skills assistance, group and individual tutoring, test accommodations, and remedial help in reading, writing and spelling for dyslexic students.

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 course work in mathematics, English, and study skills and to participate in a variety of academic support and enrichment activities. Incoming freshmen accepted to the University of Delaware through the Parallel Program also may attend this session through the Summer Qualifier Program to earn a place on the Newark campus. Students demonstrate their readiness to begin their freshman year on the main campus by successfully completing the Summer Enrichment Program.

The John Henry Taylor Scholars Program is designed specifically for African American and Hispanic students pursuing baccalaureate degrees in the fields of mathematics and science. 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 it provides opportunities for leadership. John Henry Taylor Scholars are invited to begin their studies in the Summer Enrichment Program.

The Student Support Services Program is a comprehensive support service available to a limited number of students from families with a limited income, and/or students who are the first generation in their families to attend college. The services provided include academic and personal counseling, tutoring, peer mentoring, cultural events, education workshops and general support and advocacy. The objective of the program is to assist participants in adjusting to, and graduating from, the University of Delaware. All services are free to students who qualify. The Student Support Services Program is funded by the U.S. Department of Education.

For more information, please contact the Academic Services Center, George Evans House, 5 West Main Street, Newark, DE 19716, (302) 831-2805 or visit <http://www.udel.edu/ASC/>.

NEED HELP WITH MATH?

The Preparatory Math Program provides instructional support for lower-level mathematics courses, including tutorial assistance in Math 012, Math 010, all 100-level math courses, Math 221 and Math 241. Staffed by graduate and undergraduate students and instructional professionals, resources at the Program include sample exams, answer texts and a variety of math textbooks focusing on algebra and precalculus. Twenty computer stations are available, featuring various mathematics programs such as function plotters. The Center's classroom is located in 101C Ewing Hall. For further information, call (302) 831-2140 or visit <http://www.math.udel.edu/teaching/prepmath/tutdesc.html>.

IMPROVE YOUR WRITING SKILLS

The University Writing Center offers individualized instruction in writing to University students. Students at any level and from any discipline may attend the Center, at no charge. Students have the option of participating in instructional sessions on a one-time basis, or they may set up a regular course with an instructor. Writing Center instructors work both with weak writers who need an intensive program to succeed in University course work and with writers hoping to improve a particular aspect of their writing. Instructors work with students on a one-to-one basis and discuss any problems in the 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 prewriting 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- and part-time faculty and teaching assistants from the Department of English. 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. on limited evenings. Although appointments are not always required, students are encouraged to reserve a time by calling the Center at (302) 831-1168 or visit <http://www.english.udel.edu/wc/>.

SUPPORTING THE ACADEMIC SUCCESS OF ALL STUDENTS

Support programs have been established within several of the colleges to assist students majoring in disciplines in which African Americans, Hispanic Americans, and Native Americans are typically underrepresented.

A.S.P.I.R.E. (Academic Support Programs Inspiring Renaissance Educators), housed within the Delaware Center for Teacher Education, encourages undergraduate minority students to pursue a career in teaching. The program provides students with academic support through regular meetings with their academic advisor. In addition, tutors, study skills classes and study groups are available to ensure students' success. During scheduled meetings with other minority students in the various teacher education majors, students can discuss areas of professional development and mutual interest in a collegial atmosphere. For more information, call (302) 831-2326 or 831-2317 or visit <http://www.udel.edu/educ/teachered/aspire.htm>.

Fortune 2000 is a comprehensive support program for minority students in the College of Business & Economics. Major components of the program include the Fortune 2000 Summer Academic Bridge Program and the Fortune 2000 Comprehensive College Support Program. Services include special academic advisement, tutoring and academic monitoring, scholarship information, interaction with faculty and industrial representatives, summer employment and cooperative education opportunities, student organizational participation, business career counseling and mentoring, leadership training, assistance with career/graduate school selection and recognition ceremonies. For further information, call (302) 831-4369.

NUCLEUS (Network of Undergraduate Collaborative Learning Experience for Underrepresented Scholars) is an interdepartmental program in the College of Arts and Science. Funded by the

Howard Hughes Medical Institute's Undergraduate Biological Sciences Education Program, its goal is to recruit, retain and graduate academically talented minority students majoring in chemistry, biochemistry and biological sciences (including physical therapy, medical technology and pre-medicine concentrations). NUCLEUS assists minority students in attaining their bachelor's degrees and in entering graduate and health professional programs. Concentrating on mentoring and student advisement throughout the undergraduate career, this program provides comprehensive academic enhancement services. Incoming students can participate in a summer residential institute the summer prior to the freshman year. Academic monitoring, community outreach and undergraduate research opportunities create an environment that encourages positive integration and academic achievement. For further information, call (302) 831-2908.

RISE (Resources to Insure Successful Engineers) assists academically prepared African-American, Hispanic-American and Native-American students in attaining an engineering degree. A key component of the RISE Program is the Summer Academy, which takes place before the freshman year, providing 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 monitoring, career and professional development workshops, interaction with faculty, student organizational participation and academic achievement recognition. RISE also sponsors the Undergraduate Research Initiative program, which provides a research experience for qualified RISE sophomores. For further information, call (302) 831-6315 or visit <http://www.udel.edu/engg/DeptsPrgrms/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 (<http://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, and the task force and 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 with concerns, including sexual harassment and possible grievances, are available. Call (302) 831-8063 for more information or visit <http://www.udel.edu/OWA/>.

The University is committed to achieving equity for women and to responding to their concerns in all University endeavors. The twenty-three member Commission on the Status of Women (CSW—see <http://www.udel.edu/CSW/>), which reports to the President of the University, consists of faculty, professional and salaried 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 strategies for taking the language proficiency sections of such tests as the TOEFL; and a business English course, which focuses on English usage in international business. Private tutoring in language skills also is available. The Institute is located at 189 West Main Street, Newark, DE. For further information, call (302) 831-2674 or visit <http://www.udel.edu/eli/eli.html>.

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, tax laws and cultural adaptation. Information on travel abroad, employment abroad, travel advisories, International Student Identity Cards and Youth Hostel memberships also are available. Foreign Student and Scholar Services is located at 4 Kent Way. For more information, call (302) 831-2115 or visit <http://www.udel.edu/IntlProg/fsss/>.

KEEPING OUR STUDENTS HEALTHY

The Student Health Service (SHS), located in Laurel Hall on the south end of the main campus mall, 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 or board eligible in the following specialties: family practice, pediatrics, gynecology, internal 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, emergency ambulance/medical transport services and consultation and referral for complex medical cases. Out-patient services also include an immunization clinic for allergy injections and other inoculations, a gynecologic service, and a sports medicine clinic in the Bob Carpenter Sports/Convocation Center. There is also a limited dispensary of reasonably priced pharmaceutical medications available for purchase for common prescriptions written at the SHS. Many 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 educational programs that focus 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, some special injections, PPD 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, 1999 and are subject to change. For more information, call (302) 831-2226 or visit http://www.udel.edu/shs/shs_main.html.

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, paraprofessional 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 profession-

al 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 off-campus 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 237 Laurel Hall (302) 831-8992.

ENSURING ACCESSIBILITY FOR STUDENTS WITH DISABILITIES

Services for students with disabilities at the University of Delaware are designed to provide equal educational opportunities for disabled students and to encourage full participation in University programs. Students with disabilities (other than learning disabilities and/or attention deficit disorder) may contact the Office of the Americans with Disabilities Act (ADA) Coordinator to obtain services, including among others: pre-admission information; individualized needs assessment; readers; note-takers; priority registration; auxiliary aids, such as assistive listening devices, sign language interpreters, cassette recorders, keys to campus lifts; materials on tape; consultation and advocacy; and information and referrals. Further information may be obtained by contacting: Americans with Disabilities Act Coordinator, (302) 831-2835 (Voice) or 831-4563 (TDD), or e-mail to ada@mvs.udel.edu, or fax (302) 831-3261, or visit <http://www.udel.edu/ADA/>.

Students who qualify for accommodations as a result of a documented learning disability are encouraged to contact the Academic Services Center at (302) 831-1639 for information about services and the process for obtaining reasonable accommodations. Students with learning disabilities, Attention Deficit Disorder (ADD or ADHD), and traumatic head injury (acquired learning disability) may be eligible to receive the following services: test accommodations, educational consultation, academic coaching and referral to other campus or community service providers.

PREPARE FOR SUCCESS WITH CAREER SERVICES

The 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.

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 tech-

niques, and job search strategies. These and other programs are offered to students and alumni throughout the year. The newsletter Career News is circulated regularly throughout the year to share information about these special programs and other topics of career interest with students, faculty, and administrators. Students also may discuss career-related concerns in individual interviews with professional staff members.

Experiential programs include the Field Experience Program (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. Local internships and part-time and summer jobs in the region are listed online at <http://www.udel.edu/CSC/getexperience.html>.

The Career Resource Center, a comprehensive library of career-related information, contains materials for students to use on site. 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 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 (<http://www.udel.edu/CSC/career.html>) 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, Resume Builder, video conferencing, 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 600 employers request students' resumes through the Resume Referral Service. The Credential Service provides a centralized repository for reference materials for students and alumni. The "Interview" video conferencing system allows students and employers to interact when it is not possible to arrange face-to-face interviews. In addition, over 1000 new full-time job openings from local, regional, and national organizations reach the Career Services Center weekly.

The Career Service Center is located in Raub Hall. 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 <http://www.udel.edu/CSC/career.html>.



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**
- **Exploring Campus Religious Opportunities**
- **A Vibrant Cultural and Intellectual Community**
- **Showcasing Black Culture**
- **Musical Opportunities for All Students**
- **Expand Your Horizons at University Museums**
- **The Ink and Airwaves of Student Communications**
- **Join an Organization, or Start Your Own**
- **Greek is the Word**
- **Blue Hens Winning Spirit**
- **The Sporting Life**
- **Helping You Stay Safe and Sound**
- **Your Car and Our Campus**
- **Identify Yourself**

THE LIFE OF A STUDENT BEYOND THE CLASSROOM

Under the leadership of a Vice President, the Division of Student Life shares with the academic units of the University of Delaware the University's commitment to educating our students to reach their highest potential. We expect the educational programs and opportunities we provide, both inside and outside the classroom, to educate our students to become outstanding professionals in the fields they choose to pursue, innovative leaders, and enlightened and responsible citizens of the local community, the state, the nation, and the world. By extending the educational process beyond the classroom, the Division provides opportunities for learning through involvement in student organizations, cultural and social activities, lecture series, and volunteer and community service.

The Division 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-government. Therefore, when difficult situations arise, we stand ready to assist students in finding solutions to their problems through the many services provided by the Division.

Generally, all of the University activities are open to both undergraduates 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 in the campus community newspaper, *UpDate*, and on the UDDaily web site at <http://www.mis3.udel.edu:90/servlet/udaily/>.

STUDENT GOVERNMENT REPRESENTS YOU

The Delaware Undergraduate Student Congress (DUSC) is the official student governing body of which all matriculated undergradu-

ate 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 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:

1. To foster a sense of connection among graduate students in all departments.
2. To represent an informed consensus of graduate student opinions and to advocate for those positions.
3. 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.

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.

Cable TV, computer network service, and local telephone service are provided in all rooms and apartments. Students provide their own telephones and make arrangements for long distance service with the Student Telephone Service or use telephone credit cards. 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. A few designated halls in Pencader 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.

Additional information about on-campus housing can be found online at <http://www.udel.edu/hcs/>. If you have questions please write or call Housing Assignment Services at 5 Courtney Street, Newark, DE 19716, (302) 831-3676, e-mail UD-Housing@udel.edu.

Graduate and Family Student Housing. Housing Assignment Services offers on-campus rooms and apartments to assist graduate students in making the transition to the University and Newark communities. These residences are located near the center of campus.

Single graduate students may choose from one- and two-bedroom apartments in the College Towne and Conover complexes and single rooms in the Graduate House on Lovett Avenue. All apartments are furnished.

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 <http://www.udel.edu/hcs/>. If you have questions please write or call Housing Assignment Services at 5 Courtney Street, Newark, DE 19716, (302) 831-3676, e-mail UD-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, the Bacchus Theatre, the University Bookstore and Campus Shop, a full-service bank, the Hen Zone, 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, Returning Adult Student Association, and the Commuter and Off-Campus Organization. The Lesbian Gay Bisexual Student Union, WVUD 91.3 FM, SLTV, the Review student newspaper and the Blue Hen Yearbook are among the student organizations housed in the Perkins Student Center.

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 Baptist Campus Ministry, Chabad House, Church and Campus Connection, Episcopal Campus Ministry, Hillel, Intervarsity Christian Fellowship, Latter Day Saints Student Association, Lutheran Student Association, Muslim Student Association, Presbyterian Campus Ministry, Thomas More Oratory, Warriors for Christ and Wesley Foundation. For further information, contact (302) 831-2428.

A VIBRANT CULTURAL AND INTELLECTUAL COMMUNITY

The Departments of Art, Music, and Theatre, along with the Trabant University Center, the Perkins Student Center, the Office of International Programs and Special Sessions, 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, International Programs and Special Sessions, 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 Black, Native American, and Spanish-heritage scholars. The Winterthur Program in Early American Culture brings distinguished visiting scholars to the University to spend several days. The Lank Exchange Program encourages the exchange of cultural and scientific knowledge between the University of Delaware and the University of Montreal. Scholars from each university visit the other campus for 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 UD Daily web site at <http://www.mis3.udel.edu:90/servlet/udaily/>.

SHOWCASING BLACK CULTURE

The Center for Black Culture's program is directed at the educational and personal development of African-American students on the campus. The Center's goals are to support academic development and to provide opportunities for meaningful interaction among faculty, professionals, and staff members. The Center develops programs that stress cultural awareness for African-American students and the entire University community. Some examples of the educational and cultural programs that have been sponsored or co-sponsored by the Center are the Annual Black Arts Festival, the Harriet Tubman Bus Trip, and trips to the Abyssinian Baptist Church in Harlem, NY. Lectures sponsored by the Center have included Cornel West, Michael Dyson, Nikki Giovanni, and Dick Gregory. Concerts have included artists such as De La Soul, Rachelle Ferrell, the Roots, Patrice Rushen, Phyllis Hyman, and Jay-Z. The Center also houses all Black Student Organizations, which include the Black Student Union, the Cultural Programming Advisory Board, the NAACP, and the National Pan-Hellenic Fraternities and Sororities, as well as other organizations.

For more information, contact the Center for Black Culture, 192 S. College Avenue, (302) 831-2991 or email us at cbc@mvs.udel.edu or visit our web site at <http://www.udel.edu/CBC/index.html>. Scheduled events are included on the UD Daily web site at <http://www.mis3.udel.edu:90/servlet/udaily/>.

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; most are free, although a small admission fee is charged for some concerts. Information about performance schedules can be obtained by calling (302) 831-2577.

Private study (vocal and instrumental) with a Music Department faculty member is available to full-time undergraduate University students. Non-music majors who pass an audition on advisement day 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 advisement day 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, Gamelan, 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 Delaware Brass 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

Two museums on the Newark campus provide a place for a casual visit with friends and parents or for serious academic study of the collections.

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. The University Gallery provides experiential learning opportunities for students interested in careers in the museum field.

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 on either museum program contact the Director of Museums: 114 Old College, University of Delaware, Newark, DE 19716. Ph: (302) 831-8242; Fax: (302) 831-8251; URLs: <http://Seurat.art.udel.edu/UDGallery/GalleryHP.html> [University Gallery] and <http://udel.edu/geology/min/index.html> [Mineralogical Museum].

THE INK AND AIRWAVES OF STUDENT COMMUNICATIONS

The student publications of the University are the *Review* student newspaper, and the *Blue Hen* yearbook. The "Voice of the University of Delaware"—WVUD, 91.3 FM radio—and SLTV Channel 49 are professionally managed and operated by University students.

For more information:

- The Review: <http://www.review.udel.edu/> or call (302) 831-2771
- Blue Hen: <http://www.yearbook.udel.edu/> or call (302) 831-2179
- WVUD: <http://www.udel.edu/wvud/> or call (302) 831-2701
- SLTV: <http://www.udel.edu/sltv/> or call (302) 831-3094

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. A complete list of registered organizations is included in the online *Official Student Handbook* and in the blue pages of the Campus Directory. Call 831-2428 for information.

GREEK IS THE WORD

The Greek Life program at the University has offered students an opportunity to belong to chapters of national fraternities and sororities since 1904. The Office of Greek Affairs and the Dean of Students Office advise all chapters and colonies as well as their respective coordinating councils—the Interfraternity Council, the Panhellenic Council, and the National Pan Hellenic Council. For more information, contact the Office of Greek Affairs at (302) 831-2631; <http://www.udel.edu/GreekAffairs/>.

BLUE HENS WINNING SPIRIT

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

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 championships as a member of the ECAC and IC4A. In recent years, numerous University athletes have been named Academic All-Americans and six have been awarded the prestigious NCAA Post-Graduate Scholarship.

The University's athletic facilities are among the finest in the East with the 23,000-seat Delaware Stadium; the Bob Carpenter Center which is a 5,000-seat multi-purpose building that houses the Blue Hen basketball 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; the Delaware Field House, which includes one of the region's finest indoor track facilities; the Delaware Diamond; softball field; an all-weather outdoor track; numerous other game and practice fields, and Carpenter Sports Building which is home to the volleyball and swimming and diving teams.

For more information, visit <http://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, 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 12 noon to 1:00 p.m. and 4:00 p.m. to 10:00 p.m. and on Saturday and Sunday from 12:00 noon to 8:00 p.m., except when special events are scheduled. Facilities available include a swimming pool, racquetball courts, a squash court, basketball courts, volleyball courts, Student Fitness Center, Outdoor Recreation Resource Center, Employee Fitness Center, and indoor climbing wall. For hours of specific facilities, call (302) 831-2264. **A current University of Delaware I.D. card is required to gain entrance to the building.**

Intramural Programs. The University provides an extensive intramural athletic program for men and women. The Intramural Council, made up of representatives from campus organizations participating in the program and a professional staff member, meet once a week to organize schedules and clarify ground rules for the various sports. Usually, more than half the students compete in some phase of the intramural program. There are leagues and tournaments established for the men's, women's, and coed divisions in the following sports: badminton, basketball, field hockey, flag football, golf, ice hockey, indoor soccer, in-line hockey, innertube water polo, lacrosse, racquetball, soccer, softball, street hockey, table tennis, tennis, volleyball, and wallyball.

Fitness. The Fitness Center consists of six facilities across campus: the **Cardiovascular Room** in Carpenter Sports Building which contains aerobic equipment; the **Strength and Conditioning Room** which contains Universal weight machines, platform joggers, and selected 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, aquacise, deep water workout, meditation, walking, personal safety, and self defense.

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; information on resource 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. 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. Under the leadership of student officers, clubs organize their own practices and contests against other area clubs. Currently Recreation Services sponsors 16 club sports: crew, equestrian, field hockey, figure skating, men's ice hockey, men's and women's lacrosse, precision skating, men's and women's rugby, sailing, street and in-line hockey, men's and women's ultimate disc, and men's volleyball. To learn how to become involved in a club sport, call the Club Sports Office at (302) 831-2840.

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: 9-911.

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 included in the online *Official Student Handbook*. A copy is available, upon request, from the Department of Public Safety, University of Delaware, Newark, DE 19716, phone (302) 831-2222 or visit [http://www.udel.edu/Public Safety/publicsafety.htm](http://www.udel.edu/Public%20Safety/publicsafety.htm).

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) 831-2222 or visit [http://www.udel.edu/Public Safety/parkingservices.htm](http://www.udel.edu/Public%20Safety/parkingservices.htm).

IDENTIFY YOURSELF

All students must carry a valid UD#1 CARD (identification card). Privileges accessible with the UD#1 CARD are determined by course enrollment, classification, status, account balances, etc.

New and replacement cards can be obtained at the UD#1 CARD area, Student Services Building on Lovett Avenue in Newark, phone (302) 831-2759. Lost/stolen cards should be reported immediately, 24 hours a day, by dialing (302) UD#1 CARD (831-2273). For more information, visit <http://www.udel.edu/Registrar/udcard.html>.