
**University of Massachusetts
Dartmouth**

**Graduate Catalogue
2004—2006**

For Admissions Information

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Purposes of this Catalogue

This catalogue is the official source of information about the University's graduate academic programs, its approved courses, and associated policies and procedures. Its purpose is to guide students in planning a course of study and in meeting program, department, and University requirements; and to provide information about the University to students, employees, applicants, and the general public. See the table of contents and index for an outline of the information provided.

The information in this catalogue should be current for the time of publication. *The University reserves the right to change at any time the degrees, programs, and services offered, the requirements, and the courses.* Corrections of errors may also be made. All official changes and corrections will be filed with the Office of Academic Affairs/Graduate Studies and the Registrar.

Such charges as tuition and fees, the policies associated with such charges, and academic or general University policies are subject to change without notice. There will be no refund of tuition, fees, charges, or any other payments made to the University in the event that the operation of the University is suspended at any time as a result of any act of God, strike, riot, or disruption, or for any other reasons beyond the control of the University.

The information in this publication is provided solely for the convenience of the reader, and the University expressly disclaims any liability which may otherwise be incurred. This publication is neither a contract nor an offer to make a contract.

More Information Available on World Wide Web

The University of Massachusetts Dartmouth graduate home page can be reached on the Internet's World Wide Web at:

<http://www.umassd.edu/graduate/>

This complete catalogue, plus more information about different aspects of the University, can be found from our home page.

As this catalogue went to press, our constantly growing Web pages included not only detailed information about administrative and student offices and programs (Admissions, Career Services, Financial Aid, Sports, Student Organizations, to list just a few) but also specific sites or home-pages for many academic programs, special research or outreach projects, University news releases, special events announcements, and a large variety of publications.

Most UMass Dartmouth graduate programs host web sites of their own, accessible from our general site referenced above. There are also links to the other UMass campuses and to a site listing graduate offerings across the UMass campuses.

Applicants can now apply by the web and also check the status of their applications there.

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Accreditation

UMass Dartmouth has full accreditation from the regional accrediting organization for New England higher education institutions:

New England Association of School and Colleges (NEASC).

Some academic fields have external accrediting agencies which review and accredit academic programs or the campus, in addition to regional accreditation. These agencies accredit programs either at the undergraduate level only or at all levels of study.

The following specific UMass Dartmouth programs are accredited:

Art Education, Art History, Visual Design, Textile Design, Artisanry, and Fine Arts	National Association of Schools of Arts and Design (NASAD)
Chemistry (BS level)	American Chemical Society (ACS)
Civil Engineering, Computer Engineering, Computer Science, Electrical Engineering, Mechanical Engineering (BS levels)	Accreditation Board for Engineering and Technology
MBA, Accounting, Business Information Systems, Finance, Management, Marketing	AACSB International (Association to Advance Collegiate Schools of Business)
Medical Laboratory Science	National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
Nursing	The National League for Nursing Accrediting Commission (NLNAC)
Teacher Certification program, Master's of Art in Teaching, Art Education	Commonwealth of Massachusetts Department of Education; National Association of Departments of Teacher Education (NASDTEC)

UMass Dartmouth's External Identification Numbers

College Board	3786
FAFSA	002210
IPEDS UNITID	167987
FICE	002210
Federal TIN	04-3167352
DUNS (Dunn & Bradstreet)	79-947-7427

Carnegie Classification

Master's (Comprehensive)
Universities and Colleges I

Academic Calendar

2004-2005

First Semester – Fall 2004

Wednesday, September 1	Academic year commences
Monday, September 6	Labor Day, no classes
Tuesday, September 7	Fall classes begin
	Freshman Convocation
Monday, October 11	Columbus Day, no classes
Wednesday, October 12	Follow Monday's schedule
Tuesday, November 11	Veterans' Day, no classes
Wednesday, November 24	Thanksgiving recess begins (after last class or lab)
Monday, November 29	Classes resume, 8:00 am
Thursday, December 16	Fall classes end
Friday, December 17	Study Day
Saturday, December 18	Examinations begin
Thursday, December 23	Examinations end

Intersession 2005

Monday, January 3	Intersession commences
Monday, January 17	Martin Luther King Jr.'s Birthday no classes
Thursday, January 20	Last intersession class day
Friday, January 21	Intersession Final examinations

Second Semester – Spring 2005

Monday, January 24	Spring classes begin
Monday, February 21	Presidents' Day, no classes
Friday, March 11	Spring vacation begins (after last class or lab)
Monday, March 21	Classes resume, 8:00 am
Monday, April 18	Patriots' Day, no classes
Wednesday, May 4	Honors Convocation
Tuesday, May 10	Spring classes end
Wednesday, May 11	Study Day
Thursday, May 12	Examinations begin
Wednesday, May 18	Examinations end
Sunday, May 22	Commencement

2005-2006

First Semester – Fall 2005

Thursday, September 1	Academic year commences
Monday, September 5	Labor Day, no classes
Tuesday, September 6	Fall classes begin
	Freshman Convocation
Monday, October 10	Columbus Day, no classes
Tuesday, October 11	Follow Monday's schedule
Friday, November 11	Veterans' Day, no classes
Wednesday, November 16	Follow Friday's schedule
Wednesday, November 23	Thanksgiving recess begins (after last class or lab)
Monday, November 28	Classes resume, 8:00 am
Thursday, December 15	Fall classes end
Friday, December 16	Study Day
Saturday, December 17	Examinations begin
Friday, December 23	Examinations end

Intersession 2006

Wednesday, January 4	Intersession commences
Monday, January 16	Martin Luther King Jr.'s Birthday no classes
Tuesday, January 24	Last intersession class day
Wednesday, January 25	Intersession Final examinations

Second Semester – Spring 2006

Monday, January 30	Spring classes begin
Monday, February 20	Presidents' Day, no classes
Tuesday, February 21	Follow Monday's schedule
Friday, March 17	Spring vacation begins (after last class or lab)
Monday, March 27	Classes resume, 8:00 am
Monday, April 17	Patriots' Day, no classes
Wednesday, May 10	Honors Convocation
Tuesday, May 16	Spring classes end
Wednesday, May 17	Study Day
Thursday, May 18	Examinations begin
Wednesday, May 24	Examinations end
Sunday, May 28	Commencement

Graduate Academic Programs at UMass Dartmouth

Doctor of Philosophy

Biomedical Engineering/Biotechnology PhD
(jointly with UMass Boston, Lowell, and Worcester)

Chemistry PhD, Joint Program with UMass Lowell

Electrical Engineering PhD
Students will select one of these options:
Electrical Engineering
Computer Engineering

Marine Sciences and Technology PhD
(jointly with UMass Amherst, Boston, and Lowell)
Students will select one of these options:
Marine and Atmospheric System
Modeling and Analysis
Marine Biogeochemistry and Environmental Change
Coastal Systems Science
Ocean and Human Health
Integrated Coastal Management
Living Marine Resources Science/Management
Marine Observation Technologies

Master of Arts

Portuguese Studies MA

Professional Writing MA

Psychology MA
Students will select one of these options:
Clinical/Behavioral Psychology
General Psychology

Master of Art Education

Art Education MAE

Master of Arts in Teaching — MAT

Students prepare for professional licensure in:
Elementary Education Teacher (1-6)
Teacher of Biology (8-12)
Teacher of Chemistry (8-12)
Teacher of English (5-8) (8-12)
Teacher of French (5-12)
Teacher of General Science (5-8)
Teacher of History (5-8) (8-12)
Teacher of Mathematics (5-8) (8-12)
Teacher of Physics (8-12)
Teacher of Political Science/Political Philosophy (5-8) (8-12)
Teacher of Portuguese (5-12)
Teacher of Spanish (5-12)

Master of Business Administration

Business Administration MBA

Master of Business Administration/Juris Doctor MBA/JD (joint program with Southern New England School of Law)

Master of Fine Arts

Artisanry MFA
Students will select one of these studios:
Ceramics, Jewelry/Metals, Fibers, Wood /Furniture Design

Fine Arts MFA
Students will select one of these studios:
Drawing, Painting, Printmaking, Sculpture

Visual Design MFA
Students will select one of these studios:
Graphic Design, Electronic Imaging, Illustration, Digital Multi-Media, Photography, Typography

Master of Public Policy

Policy Studies MPP

Master of Science

Biology/Marine Biology MS

Chemistry MS

Civil and Environmental Engineering MS

Computer Engineering MS

Computer Science MS

Electrical Engineering MS

Marine Sciences and Technology MS
(jointly with UMass Amherst, Boston, and Lowell)
Students will select one of these options:
Marine and Atmospheric System
Modeling and Analysis
Marine Biogeochemistry and Environmental Change
Coastal Systems Science
Ocean and Human Health
Integrated Coastal Management
Living Marine Resources Science/Management
Marine Observation Technologies

Mechanical Engineering MS

Nursing MS

Students will select one of these options:
Adult Health/Adult Nurse Practitioner
Adult Health/Advanced Practice
Community Nursing/Advanced Practice

Physics MS

Textile Chemistry MS

Textile Technology MS

Graduate Certificates

Business Post-Baccalaureate Certificates in Accounting and in Management (pre-MBA)

Computer Science Post-Baccalaureate Certificates: in Computer Networks and Distributed Systems, Computer Science, and Software Development and Design

Computer Systems Post-Baccalaureate Certificate (Departments of Computer and Information Science and Electrical and Computer Engineering)

Electrical and Computer Engineering Post-Baccalaureate Certificates: in Acoustics, Communications, Computer Systems Engineering, Digital Signal Processing, and Electrical Engineering Systems

Individualized Post-Baccalaureate Certificate
(individuals with bachelor's degrees design their own program of study)

Nursing Post-Baccalaureate Certificates in Nursing Education and Nursing Leadership/Management; Adult Nurse Practitioner Post-MS Certificate

Professional Writing Post-Baccalaureate Certificate

Teacher Preparation

Through post-baccalaureate certificate programs, students may prepare for initial licensure as:

Elementary Education Teacher (1-6)
Teacher of Biology (8-12)
Teacher of English (5-8) (8-12)
Teacher of French (5-12)
Teacher of History (5-8) (8-12)
Teacher of Mathematics (5-8) (8-12)
Teacher of Music (preK-12)
Teacher of Physics (8-12)
Teacher of Political Science/Political Philosophy (5-8) (8-12)
Teacher of Portuguese (5-12)
Teacher of Spanish (5-12)
Teacher of Visual Art (preK-8) (5-12)—
see MAE above

Introduction to the University

The University of Massachusetts Dartmouth

A vibrant public university actively engaged in personalized teaching and innovative research, UMass Dartmouth is an intellectual catalyst for regional economic, social, and cultural development.

UMass Dartmouth traces its roots to 1895. In that year the legislature chartered the New Bedford Textile School and the Bradford Durfee Textile School in Fall River.

As the region's economic base shifted from textiles to more diverse manufacturing and service industries, these colleges changed too. They diversified their curricula, responding to the needs of new generations of students. By the middle of the 20th century they were growing rapidly, spurred by such forces as the GI Bill and the clear economic and social advantages of a well-educated citizenry. They had become multipurpose institutions, preparing engineers, health care workers, teachers, and business leaders.

In 1962 the state legislature created Southeastern Massachusetts Technological Institute by merging the New Bedford Textile School and the Bradford Durfee Textile School. Dr Joseph Leo Driscoll was the new institution's first President. Construction of the first building on the 710 acre campus in North Dartmouth, part way between New Bedford and Fall River, began in 1964. The dramatic campus design was the work of architect Paul Rudolph, then dean of Yale's School of Art and Architecture.

There was a clear public demand for a comprehensive university, and in 1969 SMTI became Southeastern Massachusetts University.

Dr Donald Ezzell Walker was named President in 1972. The university continued to grow through the 1970s when its residence halls were finished and through the '80s as research and studio facilities came into being. Dr William Curran Wild served as President in 1983-1984. In 1984, Dr. John Russell Brazil became President of SMU. Continuing campus expansion, in 1988 the Dion Science and Engineering Building was opened, as was the Cedar Dell Townhouse Complex. Also in 1988, the Swain School of Design merged with the university's College of Visual and Performing Arts, strengthening programs in art and artisanry. The Swain merger brought additional art facilities in New Bedford to the university.

In 1991 a new University of Massachusetts structure combined the Amherst, Boston, and Worcester campuses with Southeastern Massachusetts University and the University of Lowell. Thus Southeastern Massachusetts University became the University of Massachusetts Dartmouth. (John Brazil served briefly as the first Chancellor of UMass Dartmouth.) Dr Joseph C Deck was named interim Chancellor in 1991.

In 1993, Dr Peter Hollon Cressy became Chancellor of UMass Dartmouth. In 1994 UMass Dartmouth received approval to offer its first PhD degree, in Electrical Engineering. Since that time three PhD programs have been added. In 1997 construction was completed of the building for housing the School for Marine Science and Technology, located on 2.6 acres in New Bedford near Buzzards Bay. This waterside facility supports a full program of research and development. Starting in 1997, student/faculty teams have engaged in landscaping beautification projects across campus.

In 1999, Dr Jean F MacCormack became Chancellor of UMass Dartmouth.

Three buildings have been renovated to serve as UMass Dartmouth campuses, one in downtown New Bedford, opening 2001, one in downtown Fall River, opening in 2002, and one in downtown New Bedford, opening in 2004. The Star Store campus in New Bedford houses UMass Dartmouth's fine arts and artisanry programs with studios, classrooms, offices, and art galleries. The Professional and Continuing Education Center located in the former Cherry and Webb Building in Fall River offers undergraduate, graduate, and professional training. The new Professional and Continuing Education Center in New Bedford offers undergraduate, graduate, and professional courses and youth educational programs, job training, and skills development opportunities. Each site is serving as a catalyst for downtown renewal.

Two new student residence buildings were completed in 2002. Fall 2004 saw the opening of the new campus home for the Charlton College of Business, made possible by a generous gift from the Charlton Charitable Trust. The campus also broke ground for two new student residence buildings, to meet an increasing demand for on-campus housing. These buildings will enable 400 additional students to live on campus in Spring 2005 and an additional number than that in Fall 2005.

UMass Dartmouth has more than 8,000 students, 3,900 of whom live on campus (as of fall 2005). It offers 39 undergraduate majors, 21 master's degree programs, four PhD degree programs, and has more than 340 full-time faculty. UMass Dartmouth's annual research and development expenditures exceeded \$17,000,000 in 2004.

In 2004-2005, we celebrated the 40th anniversary of the ground-breaking for our main campus. In many dynamic ways UMass Dartmouth continues to break new ground.

The University of Massachusetts

Founded as an agriculture college in Amherst in 1863, the University of Massachusetts is a uniquely American institution, a public land-grant university. Such institutions have three basic characteristics:

- First, they are "people's universities," intended to serve all students who can do the academic work.
- Second, they are committed to practical as well as theoretical education.
- Third, they put new knowledge to work for the common good.

With those firm guidelines and a modest start from the sale of federal lands, the Amherst college grew to become the modern University of Massachusetts, the largest university, public or private, in New England. The UMass of today includes campuses in Amherst, Boston, Dartmouth, and Lowell and a medical school in Worcester.

Mission Statement of the University of Massachusetts

Strategic Priorities of the University of Massachusetts

The University's mission is to provide an affordable education of high quality and to conduct programs of research and public service that advance our knowledge and improve the lives of the people of the Commonwealth, the nation, and the world.

1) The university shall maintain the highest standard of academic excellence.

The University of Massachusetts shall provide a quality, affordable university education to the citizens of the Commonwealth. The University shall strive to serve all qualified students regardless of their economic means. The University shall pursue distinction in its research and scholarship.

2) The University shall maintain an atmosphere where each person, regardless of religious, ethnic, economic or social background, will be comfortable.

The University shall enroll and employ a diverse community of people.

3) The University shall offer and promote distinctive forms of public service.

The University of Massachusetts shall provide the state with policy research, programs, and leadership to address public needs. The University shall support efforts to improve primary and secondary education and shall expand its continuing education programs to encourage lifelong learning. The University shall continue to promote the economic development of the state and its regions.

4) The University shall develop and manage its resources effectively.

The University shall wisely manage existing resources and aggressively develop new sources of revenue to meet operating and capital needs.

5) The University shall demonstrate the excellence and advance the unique missions of its five campuses.

The University shall encourage its five campuses to pursue with distinction their respective strengths and strive to serve the best interests of their communities.



Mission and Vision Statements of the University of Massachusetts Dartmouth

Mission Statement

The University of Massachusetts Dartmouth distinguishes itself as a vibrant public university actively engaged in personalized teaching and innovative research, and acting as an intellectual catalyst for regional economic, social, and cultural development.

Vision Statement

Within a climate that is inclusive, open, and diverse, UMass Dartmouth will be the university of choice for students seeking high quality liberal arts and science programs as well as professional academic programs that build a foundation for civic responsibility, individual skills, and professional success.

UMass Dartmouth will distinguish itself by providing a personalized academic environment where the scholarly research and creative activities of faculty and graduate students are interwoven with the undergraduate experience.

UMass Dartmouth aspires to create additional Masters and Doctoral programs, with commensurate support, in addition to enhanced technological capabilities for the delivery of our educational and outreach programs.

Organization of Graduate Studies at UMass Dartmouth

The Office of Graduate Studies (located in the Foster Administration Building, first floor) handles administrative functions such as admissions, special academic approvals, appeals, and final approvals of theses and dissertations. The Associate Vice Chancellor for Academic Affairs and Graduate Studies has responsibility for this office and provides leadership in the development of graduate programs for the university.

Under the Provost and working with the Associate Vice Chancellor for Academic Affairs and Graduate Studies, the Deans of the respective colleges have academic responsibility for graduate as well as undergraduate programs in their colleges. For each graduate program, a faculty member is identified as the Graduate Program Director. Graduate students will customarily work with the Graduate Program Directors on matters concerning their admission, performance, and progress toward their degrees, with guidance from departmental or college faculty graduate committees. In many aspects of graduate programming, including the awarding of assistantships, departmental chairpersons also have responsibility.

Graduate Faculty Governance

The Graduate Program Directors comprise the Graduate Council. This body makes recommendations to the Provost on matters of academic policy, procedure, and degree requirements; general admissions requirements; new graduate programs or program modification; and planning. The Associate Vice Chancellor for Academic Affairs and Graduate Studies chairs the Council.

The university also has a University Research Committee, which recommends on matters of policy and procedure for faculty research activity and makes awards of certain campus research grants. An Office of Research Administration provides assistance and support for research and contract activity.