

---

**University of Massachusetts  
Dartmouth**

---

**General Catalogue  
2002—2003**

**Undergraduate Programs  
and  
Courses, Policies, and  
Procedures**

University of Massachusetts Dartmouth (USPS #015-139)  
Volume 6, Number 7, July 2002

University of Massachusetts Dartmouth is published once  
in January, thrice in April, twice in June, twice in July, twice  
in August, and twice in December by the  
University of Massachusetts Dartmouth  
285 Old Westport Road  
North Dartmouth, MA 02747-2300

Periodicals postage paid at  
New Bedford, Massachusetts 02740.

POSTMASTER:  
Send address corrections to the  
University of Massachusetts Dartmouth,  
285 Old Westport Road  
North Dartmouth, Massachusetts 02747-2300

---

## Purposes of this Catalogue

## More information available on World Wide Web

The 2002-2003 General Catalogue was produced using Aldus PageMaker 6.5 in Frutiger Light type.

Editorial responsibilities for the publication reside with the Office of Academic Affairs

General Editor  
Richard Panofsky  
Associate Vice Chancellor  
for Academic Affairs and  
Graduate Studies

Managing Editor  
Catherine Sullivan

Design and Editorial Assistance  
Margo J. Moore

This catalogue is the official source of information about the University's undergraduate 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, parents, teachers, counselors, and the general public. See the table of contents and index for an outline of the information provided.

This catalogue emphasizes the university's undergraduate programs. For centrality of reference, however, it lists all current graduate as well as undergraduate courses of the university. Please consult the *Graduate Catalogue* for detailed graduate program information.

The information in this catalogue should be current for the time of publication, although some changes may have occurred between the time of going to press and the opening of the academic year. *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.

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

<http://www.umassd.edu>

This complete catalogue, plus much 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, personnel announcements, special events announcements, and a large variety of publications. Applicants can apply for admission using forms and instructions available on the Web.

Most UMass Dartmouth 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 general information about the University of Massachusetts.

---

## Table of Contents

---

<b>Programs and Accreditations</b>	<b>4</b>	<b>College of Engineering</b>	<b>202</b>
<b>Institutional History and Mission</b>	<b>6</b>	Civil and Environmental Engineering	207
<b>Academic Calendars</b>	<b>10</b>	Computer and Information Science	212
<b>Admission to the University</b>	<b>11</b>	Electrical and Computer Engineering	222
<b>Expenses and Student Financial Services</b>	<b>17</b>	Mechanical Engineering	240
<b>The Campus Experience: Services and Support</b>	<b>24</b>	Engineering Technology	248
<b>Academic Regulations and Procedures</b>	<b>36</b>	Physics	252
<b>Special Learning Opportunities</b>	<b>54</b>	Textile Sciences	260
<b>Outreach: Centers, Laboratories, Programs, and Events</b>	<b>58</b>	<b>College of Nursing</b>	<b>271</b>
<b>Key to Course Listings</b>	<b>63</b>	Adult and Child Nursing; Community Nursing	272
<b>College of Arts and Sciences</b>	<b>65</b>	<b>College of Visual and Performing Arts</b>	<b>283</b>
Biology	68	Art Education	289
Chemistry and Biochemistry	76	Art History	294
Economics	91	Design	299
Education	96	Fine Arts	314
English	104	Music	319
Foreign Literature and Languages	118	<b>School for Marine Sciences and Technology</b>	<b>330</b>
History	125	<b>Division of Continuing Education</b>	<b>334</b>
Humanities and Social Sciences	133	<b>Interdisciplinary and Special Programs</b>	<b>336</b>
Mathematics	134	African and African-American Studies Minor	337
Medical Laboratory Science	142	Gerontology Minor and Certificate	340
Multidisciplinary Studies	148	Honors Program	344
Philosophy	149	International Marketing/French Certificate	346
Political Science	155	Judaic Studies Minor	347
Portuguese	161	Labor Studies Minor and Certificate	349
Psychology	166	Post-Baccalaureate Certificate	354
Sociology and Anthropology	172	Pre-Law	355
<b>Charlton College of Business</b>	<b>181</b>	Pre-Medical	355
Accounting and Finance	186	Women's Studies Minor	356
Management	191	UMass Dartmouth/Southern New England School of Law Three-Plus-Three Program	360
Marketing and Business Information Systems	195	<b>Trustees, Officers, and Faculty</b>	<b>363</b>
		<b>Index</b>	<b>378</b>
		<b>Directions for Travel and Correspondence</b>	inside back cover

---

## Academic Programs at UMass Dartmouth

---

### College of Arts and Sciences

#### Department of Biology

Biology BS

Students may select an option:

Marine Biology

Biology/Marine Biology MS

#### Department of Chemistry

Chemistry BS

Students may select one of these options:

Biochemistry

Environmental Chemistry

Pre-Medical Chemistry

BS-MS Option

Biochemistry Minor

Chemistry Minor

Chemistry MS

Chemistry PhD, Joint Program with UMass

Lowell

Chemistry PhD, Cooperative Program with

UMass Amherst

#### Department of Economics

Economics BA

Economics Minor

#### Department of Education

Elementary teacher certification

Secondary teacher certification

#### Department of English

English BA

Students will select one of these options:

Drama/Film Studies

Literature

Writing/Communication

Drama/Film Studies Minor

Literature Minor

Writing/Communication Minor

Professional Writing MA

#### Department of Foreign Literature and

Languages

French BA

French Minor

German Minor

Spanish BA

Spanish Minor

#### Department of History

History BA

History Minor

#### Department of Mathematics

Mathematics BS or BA

Students may select this option:

Computer-Oriented Mathematics (BS only)

Mathematics Minor

#### Department of Medical Laboratory Science

Medical Laboratory Science BS

Students will select one of these options:

Clinical

Cytotechnology

#### Department of Philosophy

Philosophy BA

Philosophy Minor

#### Department of Political Science

Political Science BA

Political Science Minor

#### Department of Portuguese

Portuguese BA

Portuguese Minor

#### Department of Psychology

Psychology BA

Psychology MA

Students will select one of these options:

Clinical/Behavioral Psychology

General Psychology

#### Department of Sociology

Sociology BA

Students may select one of these options:

Anthropology

Criminal Justice

Social Services

Anthropology Minor

Sociology Minor

#### Interdepartmental

Humanities and Social Sciences BA

Multidisciplinary Studies BA or BS

Pre-Law Program

Pre-Medical Program

African and African-American Studies Minor

International Marketing/French Certificate

Labor Studies Certificate

Labor Studies Minor

Master of Art in Teaching MAT

Students will select one of these options:

Middle & Secondary School Education

options in business, English,

foreign literature and languages

(French, Portuguese, Spanish),

history, mathematics, sciences, and

social studies

Elementary Education

### Charlton College of Business

#### Department of Accounting and Finance

Accounting BS

Finance BS

Post-baccalaureate Certificate in Accounting

#### Department of Management

Management BS

#### Department of Marketing and Business

Information Systems

Marketing BS

Business Information Systems BS

#### Interdepartmental

Business Administration Minor

International Business Certificate

Master of Business Administration MBA

Master of Business Administration/Juris Doctor

MBA/JD (Joint program with Southern New

England School of Law)

### College of Engineering

#### Department of Civil and Environmental

Engineering

Civil Engineering BS

#### Department of Computer and Electrical

Engineering

Computer Engineering BS

Electrical Engineering BS

Electrical and Computer Engineering Minor

Computer Engineering MS

Electrical Engineering MS

Electrical Engineering PhD

Students will select one of these options:

Electrical Engineering

Computer Engineering

Graduate Certificates in Acoustics,

Communications, Computer Systems

Engineering, Digital Signal Processing,

Electrical Engineering Systems

#### Department of Computer and Information

Science

Computer Science BS

Computer Science Minor

Software Engineering Minor

System Software Minor

Computer Science MS

Graduate Certificate in Computer Science

#### Department of Mechanical Engineering

Mechanical Engineering BS

Students may select an option:

Manufacturing

Mechanical Engineering MS

Listed by college and department are undergraduate majors and their formal options, with the degree offered; undergraduate minors; graduate programs and their formal options, with the degree offered; and formal certificate programs.

---

*Department of Physics*

Physics BS

Students may select this option:  
Materials Science

Environmental Physics Minor

Physics Minor

Physics MS

Physics PhD, Cooperative Program with UMass  
Amherst

*Department of Textile Sciences*

Textile Chemistry BS

Textile Science BS

Students may select this option:

Applied Fiber Materials

Textile Chemistry MS

Textile Technology MS

*Interdepartmental*

Graduate Certificate in Computer Systems

(Departments of Computer and Information  
Science and Electrical and Computer  
Engineering)

**College of Nursing**

*Departments of Adult and Child Nursing and*

*Community Nursing*

Nursing BS

Students are accepted into either the Basic  
Program or the RN track

RN track students may select this option:  
BS-MS option

Nursing MS

Graduate Certificate in Nursing Leadership/  
Management

Graduate Certificate in Nursing Education

Post-MS Adult Nursing Practitioner Certificate

**College of Visual and Performing Arts**

*Department of Art Education*

Art Education BFA

Art Education MAE

*Department of Art History*

Art History BA

Art History Minor

*Department of Design*

Textile Design/Fiber Arts BFA

Visual Design BFA

Students will select one of these options:  
Ceramics  
Electronic Imaging  
Graphic Design  
Illustration  
Jewelry/Metals  
Photography

*Department of Fine Arts*

Painting/2D Studies BFA

Sculpture/3D Studies BFA

*Department of Music*

Music BA

Students may add one of these options:

Western Music

World/African American Music

Music Education

Music Technology

Music Minor

Music Therapy Minor

*Interdepartmental*

Certificate in Artisanry

Certificate in Fine Arts

Master of Fine Arts MFA

Students will select one of these studios:

Artisanry Studios

Ceramics, Jewelry/Metals, Fibers/Textile  
Design, Wood and Furniture Design

Fine Arts Studios

Drawing, Painting, Printmaking,  
Sculpture

Visual Design Studios

Graphic Design, Electronic Imaging,  
Illustration, Multi-Media, Photography,  
Typography

**School of Marine Sciences and  
Technology**

Marine Sciences and Technology MS

(jointly with UMass Amherst, Boston, and  
Lowell)

Students will select one of these options:

Modelling Marine & Atmospheric  
Systems

Biogeochemical Cycles, Environmental  
Changes

Coastal Systems Science

Ocean and Human Health

Integrated Coastal Management

Living Marine Resources Science/  
Management

Marine Observation Biotechnology

Marine Sciences and Technology PhD

(jointly with UMass Amherst, Boston, and  
Lowell)

Students will select one of these options:

Modelling Marine & Atmospheric  
Systems

Biogeochemical Cycles, Environmental  
Changes

Coastal Systems Science

Ocean and Human Health

Integrated Coastal Management

Living Marine Resources Science/  
Management

Marine Observation Biotechnology

**Interdisciplinary Graduate Program**

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

Students will select one of these options:

Agricultural Biotechnology

Biomechanics

Biomedical Information Systems

Molecular Biotechnology

Medical Physiology, Radiological Science

Bioprocessing, Applied Microbiology

Biomedical Instrumentation

Biomaterials

**Interdisciplinary Minors and Special  
Programs/Curricula**

Gerontology Certificate

Gerontology Minor

Honors Program

Judaic Studies Minor

Post-Baccalaureate Certificate Program (allows  
individuals with bachelor's degrees to  
design their own certificate program)

UMass Dartmouth/Southern New England

School of Law Three-Plus-Three Program

Women's Studies Minor

---

## Accreditations

---

*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/OPEID	002210
Federal TIN	04-3167352
DUNS (Dunn & Bradstreet)	78-395-6568

*Carnegie Classification*

Master's (Comprehensive)  
Universities and Colleges I