
Interdisciplinary and Special Programs

The university offers a variety of certificate programs of interest to students who have completed bachelor's degrees. Some are programs that only accept students with an earned baccalaureate degree; others also accept current undergraduate and non-degree students.

Certificate Programs within Departments

UMass Dartmouth offers an expanding list of graduate certificate programs within departments. Please review the appropriate sections of this Catalogue for information. Each of the programs listed in this column require an earned baccalaureate degree in an appropriate field.

Business —

Graduate Certificates in

- Accounting
- Management

Electrical and Computer Engineering —

Graduate Certificates in

- Acoustics
- Communications
- Computer Systems Engineering
- Digital Signal Processing
- Electrical Engineering Systems

Computer and Information Science —

- Graduate Certificate in Computer Science

Nursing —

- Post-MS ANP Certificate
- Graduate Certificate in Nursing Leadership/Management
- Graduate Certificate in Nursing Education

Electrical and Computer Engineering and Computer and Information Sciences —

- Graduate Certificate in Computer Systems

Individualized Post-Baccalaureate Certificate

- An opportunity for holders of the bachelor's degree to create an individually-designed certificate program. This program is described on the following page.

Interdisciplinary Certificate Programs

The programs listed below welcome students who have completed bachelor's degrees and also current undergraduate and non-degree students. Each is described at length in the UMass Dartmouth *General Catalogue*.

- **Gerontology**
- **International Marketing/French**
- **Labor Studies**
- **Pre-Law Preparation**
Pre-law is an advisory program rather than a major. Working with the advisor, students evaluate their previous academic preparation and work to strengthen abilities and fill in gaps through a combination of additional coursework, review, and practice for entrance examinations. Students who have completed a bachelor's degree are welcome to attend as non-degree students to enhance their preparation for law school. Contact Kenneth Manning, Professor of Political Science (508 999-8366).
- **Pre-Medical Preparation**
Pre-medical (which includes preparation for medical, dental, or veterinary careers) is an advisory program rather than a major. Working with the advisor, students evaluate their previous academic preparation and work to strengthen abilities and fill in gaps through a combination of additional coursework, review, and practice for entrance examinations.

Students who have completed a bachelor's degree are welcome to attend as non-degree students to enhance their preparation for law school, and UMass Dartmouth offers a special version of the Individualized Post-Baccalaureate Certificate to help meet their needs—described on the following page. Contact Eileen Carreiro, Department of Medical Laboratory Science, 508 999-8213 or by email (ecarreiro@umassd.edu).

Certification for Initial and Professional Teaching Licensure

Often individuals who have completed a bachelor's degree consider returning to the university to seek certification for elementary or secondary teaching licensure. If you are such a person, UMass Dartmouth offers a number of programs you will wish to consider.

You may be interested in pursuing a program of **courses to become eligible for an Initial License for teaching**. The Department of Education offers two **post-baccalaureate certificates**, the 42-credit program leading to eligibility to apply for an Elementary Education Initial License and the 36-credit program leading to Middle/Secondary School Education Initial License. These are described later in this chapter. To learn specifically about opportunities for teaching licensure in Music, consult the Music section in the *General Catalogue* and contact the UMass Dartmouth Music Department, 508 999-8568.

If you are interested in **teaching and also earning a graduate degree**, two avenues are open to you at UMass Dartmouth:

- If interested specifically in teaching elementary education or, at the secondary level, biology, chemistry, English, French, general science, history, mathematics, physics, political science/political philosophy, Portuguese, or Spanish, you may pursue the graduate MAT program, leading to the **Master of Arts in Teaching**. This program is intended for those who already hold the Initial License for teaching, and will qualify one for Professional Licensure. See the MAT section of this catalogue.
- If interested in **art teaching**, you may pursue the graduate Art Education program, leading to the MAE degree. This program, which leads to Professional Licensure, is open to those who already hold the Initial License for teaching and also offers an option for concurrent preparation for Initial and Professional Licensure. See the Art Education section of this catalogue.

Individualized Post-Baccalaureate Certificate

Individualized study for those who already hold a bachelor's degree

UMass Dartmouth offers those who already hold a bachelor's degree the opportunity to meet new career or work demands or satisfy personal goals through an Individualized Post-Baccalaureate Program (IPBC). In Special Student status, these students pursue non-degree study leading to a certificate without receiving formal admission to a master's degree program. The IPBC candidate receives the advantages of program planning with an advisor, a departmental commitment, and favorable timing for class registration. Depending on one's qualifications, courses in an individual's IPBC may be at the graduate or undergraduate levels or combine the two.

After forming general plans about the program of studies desired, the student applies to the academic department in which the principal studies are to be pursued, where her/his needs are discussed and qualifications reviewed and a program of specific courses is selected. An IPBC may be pursued in any academic department of the university that chooses to participate, and interdepartmental programs may also be proposed. Some departments will prepare "packages" of courses designed to meet known needs; others will rely on separate course selections to meet each candidate's needs individually. In the process of formulating a student's IPBC, the advisor must consider the availability of course offerings, in terms of both anticipated scheduling and the likelihood of space being available; when more than one department is involved, the chairperson of the other department will be consulted.

The number of courses in an IPBC is generally more than three but fewer than in a regular undergraduate minor. Students working toward IPBC certification must maintain a minimum GPA of 2.0 in the listed courses, and the department is free to establish a higher minimum level of performance. The listing of courses for the IPBC will be maintained in the student's registrar's office file. The department will indicate official completion of the IPBC, which will be recorded on the transcript, and then issue a letter of verification.

The IPBC is not a means of pursuing a formal graduate degree, a second undergraduate major or an undergraduate minor, which are available through the regular admission/re-admission programs of the university.

Those interested may request an IPBC packet at the office of Graduate Admissions, the Registrar, or an academic department. The packet describes the program and enrollment processes, indicates the documentation required from the applicant, and includes all

necessary forms. Officers in Graduate Admissions can provide advice and assistance to those making initial inquiries.

Prospective IPBC students will bring the completed form to the department involved, along with their college/university transcripts showing courses and grades and completion of a baccalaureate degree (departments might require other forms of documentation, at their discretion). If agreement is reached to establish an IPBC for an applicant, its specific courses and requirements will be recorded on a second form and the department chairperson's approval will be obtained (and Dean's if so stipulated for that College). The IPBC thus serves like a contract between the student and department, establishing courses to be completed and other terms for the completion of the program and awarding of the post-baccalaureate certificate.

If an IPBC is not agreed upon, the prospective student can return to the Graduate Studies Office for additional guidance.

IPBC students may register during the previous semester, along with current juniors. As a condition, IPBC students must receive timely departmental approval prior to each registration, to insure that advising and progress-monitoring occur. Without this approval, they must register along with other Special Students just before the beginning of the semester and will receive no priority of access to registration.

IPBC students will pay the fees appropriate for Non Degree status. Those who register the semester before must pay their fees at the time of registration.

Acceptance to an Individualized Post-Baccalaureate Program

Applicants apply for acceptance to an Individualized post-baccalaureate certificate program through the Office of Graduate Studies. Applicants submit a personal statement of intentions and all college/university transcripts showing courses, grades, and completion of a baccalaureate degree. Applicants are not required to submit letters of recommendation or test scores. Graduate Studies staff will assist applicants in contacting appropriate faculty representatives to arrange the details of an IPBC as a part of the application process.

Pre-Medical Preparation

A special version of the Individualized Post-Baccalaureate Program is designed for students who wish to pursue entrance to medical school but lack some or all of the prerequisite pre-medical courses. UMass Dartmouth utilizes an interdepartmental committee (Pre-Medical Committee) consisting of faculty members from the departments of Biology, Chemistry, Medical Laboratory Science, Physics, and Psychology, who oversee the advising and preparation of undergraduate and graduate students for medical school admission independent of their major or previous academic degrees. By enrolling for the Pre-Medical Individualized Post-Baccalaureate Certificate, students avail themselves not only of courses they need but of appropriate academic advising and other UMass Dartmouth pre-medical activities.

Curriculum

The program's curriculum consists of the quantitative, scientific, and technical courses that medical schools expect a candidate to present for admission. The specific selection of courses for the certificate will depend on each student's previous academic record. Qualified post-baccalaureate pre-medical, pre-dental, or pre-veterinary aspirants, after consultation and approval by the pre-medical certificate advisor, select no more than a total of 32 credits. Of these, a maximum of 8 credits can be earned from independent/research study and/or a maximum of 16 credits in science/math elective courses.

Contact

For additional information, contact Eileen Carreiro, Department of Medical Laboratory Science, 508 999-8213 or by email (ecarreiro@umassd.edu).

Note: Regulations indicate that most forms of financial aid are not available for this program, because of its individualized, variable curriculum.

Elementary, Middle, and Secondary Education Initial Licensure

Faculty and Fields of Interest

Trina Crowley (director of teacher certification) science education, curriculum development, physical education, public school K-12 administration

Anne Foley literacy, curriculum design, instructional development, reading comprehension, professional development, special education, program evaluation, teaching English as a second language, school library media

Maureen Hall English education, middle and secondary education, literacy, curriculum design, professional development, community-making, innovation, and reform

Cynthia Kruger middle and secondary education, curriculum development, methodology, social studies, reading, inclusive education

The Education Department is committed to the preparation of educators who have a sensitivity toward multicultural issues, an awareness of the particular concerns of urban education, knowledge of the unique needs and styles of individual learners, and a conscious knowledge of the role of schools in promoting social justice in the 21st Century. Our mission is to deliver clearly defined teacher preparation programs at the undergraduate, post baccalaureate, and graduate levels. In addition to a rigorous preparation in subject-matter fields, teacher candidates develop their ability to apply pedagogical theory to practice and reflect on the complexities inherent in their craft.

Massachusetts and Federal law require us to post the success rates of our teaching certification candidates on the Massachusetts Teacher Test. These statistics reflect policies in place previously that allowed students to enter and complete the program before passing the Teacher Test.

Post Baccalaureate Initial License Program

Teacher candidates who already hold an undergraduate degree from an accredited four year institution may earn an initial license by following a sequence of courses at the post baccalaureate level in preparation for the initial teaching license. To prepare for an initial license at the elementary, middle, and high school levels, post baccalaureate students must successfully pass state tests and complete the sequence of education courses. The Post-Baccalaureate program includes content courses that require pre-practicum assignments in local area schools and one full semester of student teaching. For those already teaching, a supervised practicum equivalent may be arranged.

Initial License Areas

Elementary Education Teacher (1-6)
 Teacher of Biology (8-12)
 Teacher of English (5-8) (8-12)
 Teacher of Foreign Languages-French (5-12)
 Teacher of Foreign Languages-Portuguese (5-12)
 Teacher of Foreign Languages-Spanish (5-12)
 Teacher of History (5-8) (8-12)
 Teacher of Mathematics (5-8) (8-12)
 Teacher of Political Science /Political Philosophy (5-8) (8-12)
 Teacher of Physics (8-12)
 Teacher of Visual Art (PreK-8) (5-12)

Note: The above programs are offered by departments in the College of Arts and Sciences, with the following exceptions. The College of Visual and Performing Arts offers Teacher of Visual Art licensure through academic programs at both bachelor's and master's levels and Teacher of Music licensure through an option in the Music BA program. Teacher of Physics licensure is offered through the Department of Physics in the College of Engineering.

Admission, Progression, and Licensure

Requirements for admission to the teacher preparation program

- Submit a completed certificate application and transcript with a cumulative GPA of 2.75 or higher
- Possess a BA or BS degree
- Participate in a preliminary advising interview with a member of the Education Department
- Have received a passing score on the Communication and Literacy Skills Test (CLST-01) of the Massachusetts Test of Educator Licensure (MTEL) and the appropriate MTEL Content Knowledge test.

University of Massachusetts Dartmouth

Statistics about our Teacher Preparation Program
2001-2002 Program Year

Massachusetts Teacher Test Program Completers = 64	UMass Dartmouth			State	Strengths of Our Program
	Tested	Passed	Pass Rate	Pass Rate	
Communications Literacy, Reading	60	56	93%	98%	1 An integrated approach to Teacher Certification based in the academic departments as well as an Education department 2 A close alliance with area school districts 3 Challenging pedagogical and content area courses based on national and state reform efforts, emphasizing both practice and theory 4 A faculty committed to a standards-based teacher certification program and to their students as individuals 5 Students must pass the Basic Skills test to enter the program and the Content test to enter student teaching.
Communications Literacy, Writing	61	54	89%	96%	
Aggregate for these Basic Skills	61	52	85%	95%	
Elementary	27	23	85%	93%	
Social Studies	6	not shown	not shown	84%	
History	1	not shown	not shown	92%	
English	1	not shown	not shown	94%	
Biology	1	not shown	not shown	88%	
Music	2	not shown	not shown	76%	
Visual Art	14	13	93%	97%	
French	1	not shown	not shown	55%	Mission of Our Program UMass Dartmouth offers education programs leading to elementary, middle, and secondary teacher certification. At middle and secondary levels students master an academic discipline and also achieve a solid intellectual foundation in professional education through both theory and hands-on practice. At the elementary level students complete an academic major and gain a general liberal education. They also gain a thorough understanding of the role of the elementary school and exposure to traditional as well as contemporary values in elementary school methodology.
Portuguese	1	not shown	not shown	100%	
Aggregate for these Content Areas	55	49	89%	93%	
Business	1	not shown	not shown	100%	
Aggregate	1	not shown	not shown	100%	
Summary Totals and Pass Rates	61	48	79%	91%	

Program Information		Students in Teacher Preparation Program 374	
Students in Supervised Student Teaching	78	Avg. hours/week students spent in student teaching = 30	
Student Teaching Supervising Faculty	19		
Education/Art Education Faculty	9		
Other UMass Dartmouth Faculty	2	Total weeks of student teaching = 14	
Part-Time Faculty	8		
Student/Faculty Ratio	4.11 to one	Total hours required = 420	

Note: When fewer than 10 persons took the test, scores are not shown.

April 8, 2002

Elementary Education Initial License, Post Baccalaureate Students

Admission to the program requires possession of an appropriate bachelor's degree, passing the MTEL Communication and Literacy Skills and the appropriate MTEL Content Area tests, and meeting other entrance requirements.

Requirements for the initial license program		Prerequisites	Credits
EDU 207	Teaching as a Profession		3
MTH 108	Mathematics for Elementary Teachers		3
PSY 201	Child Psychology	PSY 101	3
EDU 503	Science for Elementary Teachers		3
EDU 520	Teaching Reading in the Elementary School	EDU 207; admission to program	3
EDU 504	Language Arts	EDU 207, 520; admission to program	3
EDU 527	Integrated Instructional Planning K-12	EDU 207; admission to program	3
EDU 529	Integrated Content Methods Elementary	EDU 207, 520, 503, 504, 527; admission to program	3
EDU 547	Teaching and Managing Inclusive Classrooms K-12	EDU 207; admission to program	3
EDU 514	Elementary Practicum	Passing score on MTEL: Communication and Literacy Skills (01) Elementary Content (06) Foundations of Reading (90)	3
EDU 516	Elementary Seminar	Passing score on MTEL: Communication and Literacy Skills (01) Elementary Content (06) Foundations of Reading (90)	3
Completion of a Professional Capstone Portfolio			
Cumulative GPA 2.75			
Passing above courses, B- or better			
Total credits			33

Please note: Program requirements will be revised to reflect on-going developments in state regulations and educational reform. The above courses may not be applied to the MAT degree.

Middle/Secondary School Education Licensure, Post Baccalaureate Students

Admission to the program requires possession of an appropriate bachelor's degree, passing both the Communication and Literacy Skills Test and appropriate content knowledge test (MTEL), and meeting other entrance requirements.

Requirements for initial license program	Prerequisites	Credits
EDU 207 Teaching as a Profession		3
PSY 215 Adolescent Psychology	PSY 101	3
EDU 525 Reading in the Content Areas, Middle/Secondary	EDU 207; admission to program	3
EDU 526 Contemporary Middle and High School Education	EDU 207; admission to program	3
EDU 527 Integrated Instructional Planning K-12	EDU 207; admission to program	3
EDU 547 Teaching and Managing Inclusive Classrooms K-12	EDU 207; admission to program	3
XXX xxx One Content Pedagogy/Methods Course (One methods course in all majors, except that Portuguese requires two methods courses, POR 521 and FLL 524.)		3
EDU 515 Middle/Secondary Practicum	MTEL Content area	3
EDU 517 Middle/Secondary Workshop	MTEL Content area	3
Completion of a Professional Capstone Portfolio		
Cumulative GPA 2.75		
Passing above courses, B- or better		
	Total credits	27

Please note: Program requirements will be revised to reflect on-going developments in state regulations and educational reform. The above courses may not be applied to the MAT degree.

For Course listings, see undergraduate catalogue. This program is aligned with the appropriate Massachusetts Curriculum Frameworks.

Post-Baccalaureate Certificate Education Courses for Initial Licensure

EDU 504 three credits

Language Arts

Includes 20 hours prepracticum
Prerequisite: EDU 207, EDU 520; acceptance to the teacher preparation program
Same as EDU 304 except that graduate level students attend a series of three seminars and complete assignments additional to those required of undergraduates.

EDU 520 three credits

Teaching Reading in Elementary Schools

Includes 20 hours prepracticum
Prerequisite: EDU 207; acceptance to the teacher preparation program
Same as EDU 220 except that graduate level students attend a series of three seminars and complete assignments additional to those required of undergraduates.

EDU 525 three credits

Reading in the Content Areas: Middle and Secondary

Includes 20 hours prepracticum
Prerequisite: EDU 207, acceptance to the teacher preparation program
Same as EDU 325 except that graduate level students attend a series of three seminars and complete assignments additional to those required of undergraduates.

EDU 526 three credits

Contemporary Middle and High School Education

Includes 25 hours prepracticum
Prerequisite: EDU 207; acceptance to the teacher preparation program
Same as EDU 326 except that graduate level students attend a series of three seminars and complete assignments additional to those required of undergraduates.

EDU 527 three credits

Integrated Instructional Planning, K-12

Includes 20 hours prepracticum
Prerequisite: EDU 207; acceptance to the teacher preparation program
Same as EDU 327 except that graduate level students attend a series of three seminars and complete assignments additional to those required of undergraduates.

EDU 529 three credits

Integrated Content Methods, Elementary

Includes 30 hours prepracticum
Prerequisites: EDU 207, 303, 504, 520, 527; EDU 529 may be taken concurrently if approved by department; acceptance to the teacher preparation program
Same as EDU 329 except that graduate level students attend a series of three seminars and

complete assignments additional to those required of undergraduates.

EDU 547 three credits

Teaching and Managing Inclusive Classrooms, K-12

Prerequisite: EDU 207; acceptance to the teacher preparation program
Same as EDU 347 except that graduate level students attend a series of three seminars and complete assignments additional to those required of undergraduates.

EDU 514 three credits

Practicum, Elementary

400 hours supervised student teaching
Prerequisites: EDU 504, 520, 527, 547, BIO 600, content methods course (or Music Education course sequence); and passing score on the Elementary Content Area of the MTEL
Corequisite: EDU 516
A fifteen-week full-time classroom experience under the direction of university faculty and cooperating classroom teachers.

EDU 515 three credits

Practicum, Middle and Secondary

400 hours supervised student teaching
Prerequisites: EDU 525, 527, 547, content methods course (or Music Education course sequence); and passing score on the appropriate Content Area of the MTEL
Corequisite: EDU 517
A fifteen-week full-time classroom experience under the direction of university faculty and cooperating classroom teachers.

EDU 516 three credits

Seminar, Elementary

Corequisite: EDU 514
Small group meetings, workshops, and discussions with university faculty and other key school personnel about critical incidents and issues arising from and related to the interns' actual teaching experiences.

EDU 517 three credits

Seminar, Middle and Secondary

Corequisite: EDU 515
Small group meetings, workshops, and discussions with university faculty and other key school personnel about critical incidents and issues arising from and related to the interns' actual teaching experiences.

Division of Continuing Education

UMass Dartmouth's Division of Continuing Education offers a flexible, individualized learning environment for those pursuing both undergraduate and graduate study. The Division offers a comprehensive list of both degree and non-degree courses, made available in evening hours and summer sessions and designed specifically to meet the needs of part-time students.

The Division offers courses on campus and also at various sites in the greater Southeastern Massachusetts and Cape Cod/Islands region. The UMass Dartmouth **Professional and Continuing Education Center** offers undergraduate, graduate, and professional training in Fall River. The Fall River site is located in the former Cherry and Webb Building; 139 South Main Street; Fall River, MA 02721.

The Division of Continuing Education offers a growing list of graduate programs for part-time students, assisting cohorts of students to complete their graduate degrees. The Division also offers a growing list of graduate courses, focusing on fields which have many part-time students.

In summers, through the Division of Continuing Education, students may sign up for independent study or research courses in many graduate fields and will also find a selection of formal courses in some fields.

Contacts

Those interested are invited to contact the Graduate Program Directors listed in the program sections of this catalogue. They may also contact the Division of Continuing Education for a copy of its latest bulletin and to discuss the Division's programs and offerings:

Division of Continuing Education
University of Massachusetts Dartmouth
285 Old Westport Road
North Dartmouth, MA 02747-2300

Hours: Monday - Thursday, 8:30 am to 7:00 pm, Friday, 8:30 am to 4:00 pm

Phone, inquiries: 508 999-8775
Phone, registration: 508 999-9129
FAX: 508 999-8621

WWW: umassd.edu/dce

MBA Part-Time Programs

The Charlton College of Business and the Division of Continuing Education together offer graduate-level Business Administration courses and the Masters in Business Administration at the new Professional and Continuing Education Center in Fall River.

- The MBA Part-Time Professional Track is offered to individuals with bachelor's degrees and employed six or more years in a professional field, who wish to earn the MBA degree. These students join a cohort of other part-time students and advance towards their degrees through a program of course offerings scheduled for that cohort group.

- The Post-Baccalaureate Management Certificate, also offered to part-time professionals at the Fall River Center, enables one to meet the demands of new careers or prepare for future MBA study.

Requirements for the MBA and Management Certificate are described elsewhere in this catalogue.

Nursing Certificate Programs

The Certificates in Nursing Leadership/Management and in Nursing Education are offered by the Division for Continuing Education for part-time professional students.

The Certificate in Nursing Education prepares the nurse leader in all areas of nursing education: client, continuing education and undergraduate education. The Nursing Leadership/Management Certificate prepares the nurse leader in essential areas of organizational skills, budget development, and system-level knowledge.

Web-enhanced instruction of the courses is of special relevance to part-time professional students. Requirements for these two 12-credit certificates are described elsewhere in this catalogue.

Opportunities for Area Educators

Through the Division of Continuing Education Bridgewater State College and the University of Massachusetts Dartmouth have joined together to offer courses and programs for educators in the greater South Coast Region.

In addition, some area school districts have entered into partnership with UMass Dartmouth to offer their teachers access to professional licensure through the Master of Arts in Teaching, delivered in a cohort-based part-time format.