

School of Professional Development (SPD)

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Advanced Graduate Certificates (AGCs) awarded: Coaching; Educational Computing; Environmental Management; Human Resource Management; Information Systems Management; Operations Research. Post-Master's Advanced Graduate Certificates (AGCs) awarded: Educational Leadership and School District Business Leader.

Degrees awarded: Master of Arts in Liberal Studies (M.A./L.S.); Master of Arts in Teaching (M.A.T.); M.A.T. in English, grades 7 to 12; M.A.T. in Foreign Languages, grades 7 to 12 (French, Italian, German, Russian, or Spanish); M.A.T. in Mathematics, grades 7 to 12; M.A.T. in Science, grades 7 to 12 (Biology, Chemistry, Earth Science, or Physics); M.A.T. in Social Studies, grades 7 to 12; Master of Professional Studies (M.P.S.), with a concentration in either Human Resource Management or Environmental Management. Also, most M.A.T.s are offered as dual-degree programs in conjunction with a B.A. or B.S. in the same content area.

The School of Professional Development (SPD) offers graduate degree and certificate programs designed for working adults. Courses are scheduled in the evenings, on Saturdays, off-campus, and online; students may enroll on a part-time or full-time basis.

From Human Resource Management to Environmental Management, SPD offers a wide range of programs that address the needs of the Long Island region and emerging professions. Its most popular programs, however, are in the field of professional education. SPD supports educators in each step of their careers by preparing new teachers seeking initial licensure (the Master of Arts in Teaching), assisting current teachers in obtaining their professional license (the Master of Arts in Liberal Studies), and helping advance seasoned teachers into the ranks of administration (the Educational Leadership programs).

Since 1996, SPD has been at the forefront of online learning and currently has the highest online graduate enrollment of any SUNY school. As of Fall 2007, SPD offers five fully online degree and advanced graduate certificate programs. All of SPD's online graduate programs are accredited, and its Master of Arts in Liberal Studies and post-master's Educational Leadership Advanced Graduate Certificate have been approved by the New York State Department of Education for the purposes of initial and professional certification. (Refer to individual program descriptions for specific information about how these programs meet certification requirements.) In addition, the Advanced Graduate Certificate in Coaching is valid for district recommen-

dation to BOCES for a New York State coaching license.

SPD is also Stony Brook's admissions gateway for non-matriculating graduate students. These are students who hold a baccalaureate degree or higher and wish to continue their studies by taking graduate or undergraduate courses without committing to a degree program.

For more information, visit the SPD Web site at www.stonybrook.edu/spd

Master of Arts in Liberal Studies (M.A./L.S.): Traditional Program

The Master of Arts in Liberal Studies program is a 33-credit interdisciplinary degree program that examines issues and themes in the arts and humanities, social and behavioral sciences, and natural and applied sciences. Developed primarily for adult students who seek educational enrichment and professional development on a part-time evening basis, the M.A./L.S. is not structured specifically to serve as a prerequisite to a more advanced degree.

The M.A./L.S. is acceptable as a functionally relevant master's degree that initially licensed teachers may use to achieve professional certification through the New York State Education Department (provided that they complete a minimum of four courses in their content area of certification as part of their program).

The degree program is also available in a completely online, asynchronous format that has been approved by the New York State Education Department. For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/mals

Master of Arts in Liberal Studies (M.A./L.S.): Fully Online Program

The M.A./L.S. is also available in a completely online, asynchronous format. By providing courses through its Electronic Extension Program (EEP), SPD makes it possible for students with busy schedules to pursue graduate study at Stony Brook without having to come to campus. M.A./L.S. online students take the same courses, learn from the same distinguished faculty, and earn the same degree credit as their on-campus counterparts. This degree program has been approved by the New York State Education Department and accredited by the Middle States Association.

The 33-credit degree program is substantially the same as the traditional M.A./L.S., however, areas of study are limited to the online course offerings. Because SPD expands its online offerings each semester, prospective students should visit the M.A./L.S. online Web site for program requirements and a sample course selection. The address is www.stonybrook.edu/spd/malsonline.

Master of Professional Studies (M.P.S.)

The Master of Professional Studies has been developed as the professional studies counterpart to the Master of Arts in Liberal Studies. It is an interdisciplinary degree whose core curriculum focuses on the theoretical structure and methodology of social science disciplines and their application to professional studies. Two concentrations are available within this program: Human Resource Management or Environmental Management. The program stresses the applica-

tion of research and experience to complex social and political issues. Structured primarily for working adults who seek educational study and professional development on a part-time evening basis, the M.P.S. does not specifically serve as a prerequisite for a more advanced degree.

The M.P.S. with a concentration in Human Resource Management is also available in an asynchronous, fully online format. For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/mps.html

Master of Arts in Teaching (M.A.T.)

Each Master of Arts in Teaching program includes a set of professional education courses and a concentration in an academic discipline. Students who complete an M.A.T. program satisfy both the registered and approved program requirements for New York State secondary grades 7 to 12 initial teacher certification in M.A.T. subject areas (i.e., Biology, Chemistry, Earth Science, English, French, German, Italian, Mathematics, Physics, Russian, Spanish, and Social Studies) and the master's degree requirement for professional certification. SPD Office of Teacher Certification: SPD_teachercertprograms@notes.cc.sunysb.edu

All advisement on how to meet requirements for state certification by the alternate route (i.e., minimum requirements) must be obtained from the State Education Department in Albany, (518) 474-3901, or visit NYSED online at <http://ohe32.nysed.gov/tcert>

Master of Arts in Teaching (M.A.T.): English

Offered through SPD in collaboration with the Professional Education Program and the Department of English, the Master of Arts in Teaching English is designed as a course of study leading to New York State certification for teaching English in the secondary schools (grades 7 to 12). This program consists of 41 credits of graduate coursework.

For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/mat/english.html. Prospective students may also address inquiries to:

Dr. Kenneth Lindblom
Director, M.A.T. in English Program
Department of English
Stony Brook University
Telephone: (631) 632-7403 or 632-7055
E-mail: Kenneth.Lindblom@stonybrook.edu

Master of Arts in Teaching (M.A.T.): Foreign Languages

The Master of Arts in Teaching Foreign Languages programs are individually designed to lead to New York State certification for teaching French, German, Italian, Russian, or Spanish in the secondary schools (grades 7 to 12). Each program requires 44 graduate credits of coursework.

The programs are offered through SPD in collaboration with the Professional Education Program and the Department of European Languages, Literatures, and Cultures. For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/mat/fl.html. Prospective students may also address inquiries to:

Dr. Sarah Jourdain, Director
M.A.T. in Foreign Language Programs
Stony Brook University
Stony Brook, New York 11794-3359
Telephone (631) 632-7440 or 632-7055
E-mail: Sarah.Jourdain@stonybrook.edu

Master of Arts in Teaching (M.A.T.): Mathematics

The Master of Arts in Teaching Mathematics is a course of study leading to New York State certification for teaching mathematics in the secondary schools (grades 7 to 12). This 42-credit program, offered in collaboration with the University's Department of Mathematics and Professional Education Program, is designed for those who have little or no previous coursework in education or formal classroom teaching experience.

For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/mat/math.html. Prospective students may also address inquiries to:

Dr. Bernard Maskit, Director
M.A.T. in Mathematics Program
Stony Brook University
Stony Brook, New York 11794-3651
Telephone (631) 632-8257 or 632-7055
E-mail: Bernard.Maskit@stonybrook.edu

Master of Arts in Teaching (M.A.T.): Science

Biology, Chemistry, Earth Science, or Physics

Offered by the Departments of Biochemistry and Cell Biology, Chemistry, Geosciences, Physics, and the Professional Education Program in collaboration with SPD, these Master of Arts in Teaching programs are individually designed to lead to New York State certification for teaching Biology, Chemistry, Earth Science, or Physics in the secondary schools (grades 7 to 12). Each program consists of a total of 41 graduate credits of coursework.

For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/mat/science.html, or contact the appropriate program director at the phone numbers listed below:

Biology M.A.T.: Dr. Zuzana Zachar; (631) 632-8970 or Zuzana.Zachar@stonybrook.edu

Chemistry M.A.T.: Dr. Robert Kerber; (631) 632-7940 or Robert.Kerber@stonybrook.edu

Earth Science M.A.T.: Dr. Gilbert Hanson; (631) 632-8210 or Gilbert.Hanson@stonybrook.edu

Physics M.A.T.: Dr. Robert McCarthy; (631) 632-8086 or Robert.McCarthy@stonybrook.edu

Master of Arts in Teaching (M.A.T.): Social Studies

The Master of Arts in Teaching Social Studies, with a concentration in history, is designed as a course of study leading to New York State certification for teaching social studies in the secondary schools (grades 7 to 12). It is offered through SPD in collaboration with the Professional Education Program and the Department of History. The program consists of a total of 41 graduate credits of coursework.

For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/mat/ss.html. Prospective students may also address inquiries to:

Dr. Lawrence Frohman, Director
MAT in Social Studies Program
Stony Brook University
Stony Brook, New York 11794-4333
Telephone (631) 632-7686 or 632-7055
E-mail: Lawrence.Frohman@stonybrook.edu

Educational Leadership Program

SPD has the largest Educational Leadership program in New York State and is the first program of its kind to be offered both in-person and completely online. The program is open to teachers who have at least three years of full-time teaching experience and have already earned a master's degree. Completion of this 36-credit Post-Master's Advanced Graduate Certificate program leads to a credential that serves as a pathway for certification at both the district and building levels. Such positions include superintendent of schools, district superintendent, assistant superintendent, principal, assistant principal, department chair, or athletic director. The Educational Leadership Program is offered in collaboration with the University's Professional Education Program.

For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/edleadership. Prospective students may also e-mail inquiries to edleadership@stonybrook.edu or call (631) 632-7078.

School District Business Leader (SDBL) Post-Master's Advanced Graduate Certificate

This Post-Master's Advanced Graduate Certificate program prepares professionals from the corporate world, public service agencies, and charitable institutions for access and advancement to positions in a school district central office as assistant superintendent for school business positions. This 36-credit program is offered in collaboration with the University's Professional Education Program. Courses in this program can be used to complete some requirements toward the Ed.D. at St. John's University and the Ed.D. in Educational Administration at Hofstra University.

For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/sdbl/index.html. Prospective students may also address inquiries to:

Dr. Robert Moraghan
School of Professional Development
Stony Brook University
Stony Brook, NY 11794-4310
Telephone: (631) 632-7702
E-mail: moraghan@math.sunysb.edu

Advanced Graduate Certificate (AGC) Programs

SPD offers a variety of Advanced Graduate Certificate programs for individuals who seek a specialized professional credential beyond the baccalaureate degree. Programs are currently offered in the following areas of study: Coaching, Educational Computing, Environmental Management, Human Resource Management, Information Systems Management, and Operations Research. Credit requirements range from 18 to 21 credits, some of which may be applicable toward a master's degree. Please consult with an SPD academic advisor to determine how the graduate courses that meet the requirements for each of these certificates may, where appropriate, also be used to satisfy SPD degree program requirements.

Advanced Graduate Certificate (AGC) in Coaching

The Advanced Graduate Certificate in Coaching program offers the necessary course work to meet New York State certification or licensing requirements. Students will examine a broad range of issues that impact the coach in today's educational climate, including learning theories, social and psychological issues, principles of organization and administration, kinesthetic theories, injury care, and exercise and nutritional considerations.

This program can be completed in person at our Stony Brook campus or completely online.

For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/coaching.html. Prospective students may contact Dr. Jack Foley, Program Director, at John.Foley@stonybrook.edu or at (516) 524-1791.

Advanced Graduate Certificate (AGC) in Educational Computing

The 18-credit Advanced Graduate Certificate program in Educational Computing is offered in collaboration with the Department of Technology and Society. This certificate is designed to provide background training and intervention techniques for students who wish to become proficient in educational computing in either an education-based or business/industry-based situation.

The education track will train the student to become a leader in the innovative use of computers and computer-based

technologies in a school setting. Graduates of this program may assume roles such as curriculum developers, coordinators of instructional computing, or technology planners that help schools select appropriate hardware and software to support technology-enriched curricula.

The business/industry track will train the student to become a leader in the use of the computer as a tool in training and education. In addition, the program will help the student to become an expert in the teaching of applications software such as spreadsheets and databases. Graduates of this program may assume roles as teachers of applications software, multimedia developers, experts on human-computer interface, or experts on the infusion of computer-based technologies in various business/industry environments.

For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/edcomputing.html. For academic questions, prospective students may contact: Professor David Ferguson, Chair
Department of Technology and Society
Telephone: (631) 632-8763
E-mail: David.Ferguson@stonybrook.edu

Advanced Graduate Certificate (AGC) in Environmental Management

SPD's 18-credit Advanced Graduate Certificate in Environmental Management is offered in collaboration with Stony Brook's School of Marine and Atmospheric Sciences. The certificate program qualifies individuals to confront the complex and controversial problems of environmental management by providing students with the educational background for making informed decisions on these matters. Areas to be covered in this program include community land use planning, systems and risk management, policy and the democratic process, wetland and water resource studies, and issues relating to communication and participatory processes.

This certificate should appeal to those who consider access to the most current expertise in environmental management essential to working effectively in their professional careers or public service activities. It is designed to meet the immediate demands for environmental management solutions and the more long-range goal of promoting the environmental and economic welfare of the New York region.

For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/environmental.html. For academic questions, prospective students may contact:
Dr. Larry Swanson
School of Marine and Atmospheric Sciences
Telephone: (631) 632-8704
E-mail: Lawrence.Swanson@stonybrook.edu

Advanced Graduate Certificate (AGC) in Human Resource Management

Offered in collaboration with the College of Business, this program provides the educational background necessary to make informed decisions in management and policy analysis as related to human resource issues. It is designed for private- and public-sector managers, industrial relations specialists, union representatives, human resource/personnel managers, and employee training professionals. Eighteen of the 21 credits required to earn this Advanced Graduate Certificate may be applied toward SPD's Master of Professional Studies degree. Course work for this certificate program may be completed on campus, online, or in combination.

For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/hrm.html. For academic questions, prospective students may contact:

Dr. Manuel London
Associate Dean, College of Business
Telephone: (631) 632-7159
E-mail: Manuel.London@stonybrook.edu

Advanced Graduate Certificate (AGC) in Information Systems Management

This 18-credit program provides an educational opportunity to combine management education with technical training in specific areas related to information systems. Offered in collaboration with the College of Business, this graduate certificate program should interest students from various professional fields. For students without formal training in management of information systems, the program can be used as an introduction to the field. For students with management experience, the program offers specialized courses in selected subjects such as systems analysis and design, database management, telecommunications, expert systems, and personal computing. For technical

workers in the information systems field without formal managerial training, the program offers managerial courses and a professional credential.

For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/ism.html. For academic questions, prospective students may contact:

Aristotle Lekacos
College of Business
Telephone: (631) 632-7389
E-mail: Aristotle.Lekacos@stonybrook.edu

Advanced Graduate Certificate (AGC) in Operations Research

This certificate program is offered through SPD in collaboration with the Department of Applied Mathematics and Statistics in the College of Engineering and Applied Sciences and correlates with the M.S. in Applied Mathematics and Statistics as well as the Master of Arts in Liberal Studies offered through SPD.

The Advanced Graduate Certificate in Operations Research provides students with the fundamental applied mathematics tools for developing protocols for the efficient management of private companies, government agencies, and non-profit organizations.

In today's global marketplace, organizations need to be efficient to survive. The Operations Research program will provide formal training in methods of optimization, modeling, and statistics used in operations research. The objective of this program is to help individuals to assist organizations in making efficient use of their resources so as to maximize efficiency and minimize cost. Graduates of this program may be able to advance in management and organizational planning positions within their current employment or obtain new employment. It is recommended that applicants to the program hold a bachelor's degree in mathematics, engineering, or computer science.

For complete admission and program requirements, visit SPD on the Web at www.stonybrook.edu/spd/graduate/operations.html. For academic questions, prospective students may contact:

Dr. Alan Tucker
Coordinator of Operations Research
Department of Applied Mathematics and Statistics
Telephone: (631) 632-8365
E-mail: atucker@notes.stonybrook.edu