



Graduate

Graduate Admissions

For information on graduate degree programs, contact the **Office of Graduate Admissions** 215.951.2943 gradadm@PhilaU.edu; www.PhilaU.edu/graduate

Accreditation. Graduate programs at the University are approved by the Department of Education of the Commonwealth of Pennsylvania and accredited by the Middle States Association of Colleges and Secondary Schools. Accreditations associated with specific schools and programs can be found on the respective school/program web pages at www.PhilaU.edu.

Graduate students are taught by a faculty that includes both full-time professors and experienced industry professionals and practitioners. Their academic credentials and industry experience make them uniquely qualified to provide students with the knowledge to become successful professionals in their chosen fields.

Graduate classes average about 18 students and are offered in the late afternoon/early evening hours and occasionally on Saturdays. Some graduate programs offer courses during the day. Students may begin graduate coursework in the fall (August), spring (January) or summer (May and July) semesters. Some programs enroll students throughout the calendar year. Others are limited to one start-term per year.

Any individual who has or is about to receive a bachelor's degree from a regionally accredited university is eligible to apply. Graduate programs are designed to accommodate students from all undergraduate disciplines. The Admissions Committee admits those students who show the capacity and motivation to pursue a challenging graduate program.

For admission to the Ph.D. program in Textile Engineering and Science, please see page 305.

To apply, students must submit an application, official transcripts, recommendations (not required for programs within the School of Business Administration) and appropriate standardized test scores (not required for the M.S. in Digital Design or the M.S. in Disaster Medicine and Management). The standardized test requirement is waived for those students who hold a prior master's degree or who are C.P.A.s. Applications are accepted throughout the year for entrance in the fall, spring or summer semesters.

Note: International students may begin in fall and spring semesters only. Please refer to the graduate application for admissions procedures and instructions (see page 352).

International Students

Director of International Student Programs. Located in The Kanbar Campus Center 215.951.2660

The University welcomes applications for admission from qualified international students. Persons who have completed their studies outside the United States must present

all post-secondary school credentials. Such credentials must include all studies completed to date, marks or examination results received, degrees, diplomas and certificates earned. International applicants must submit an evaluation of academic credentials. While World Education Services (WES) is Philadelphia University's preferred evaluator, any evaluation service accredited through the National Association of Credential Evaluation Services (NACES) will suffice. For a full listing of accredited evaluation services, visit www.NACES.org. Documents must be authenticated or certified and those not written in English must be accompanied by notarized English translations. Courses at the University are taught in English; therefore, all international graduate students are required to take English reading and writing placement tests before registering for any courses. Exceptions: (1) If applicants gave a TOEFL computer-based score of 233 or higher (577 or higher for paper based tests and 90 or higher for internet based tests), they will not be required to take the placement tests before registering for courses. The IELTS (International English Language Testing System) will be considered as a possible substitute for the TOEFL. International students may begin in fall and spring semesters only. M.B.A. and M.S. in Taxation students may begin in the summer semester.

After acceptance is granted, a \$100 nonrefundable tuition deposit, an International Student Agreement Form (see page 367), a notarized Statement of Financial Support (see page 371) and official bank statements are required for the University to issue a SEVIS I-20 form.

English Language Requirement

Courses at the University are taught in English; therefore, all international graduate students are required to take English reading and writing placement tests before registering for any courses. Students who have earned a bachelor's degree (more than 100 credits in residence) at a United States college or university are exempt from this requirement. Also, if students have scored a 233 or higher on the TOEFL computer-based test (577 or higher for paper-based test; 90 or higher for Internet-based test), placement tests are not required. The tests are scheduled by the staff in the Learning and Advising Center a few days before classes begin. If students miss the scheduled testing session, it is their responsibility to report to the Learning and Advising Center for testing before registering for classes. Based on the results of the placement tests, students might be required to take undergraduate ESL courses in reading and/or writing. Students required to take ESL courses in reading and/or writing (READ-098ESL, WRTG-100ESL) must receive a minimum grade of "C" in these courses to graduate. If students need extensive English preparation, it is University policy to have students complete an intensive English program elsewhere before

enrolling in graduate courses. Any fees associated with these courses are the responsibility of the student.

Acceptance Classifications

Students may be admitted to a particular graduate program under one of the following acceptance classifications:

- **Acceptance**

Students who have met all admissions requirements with satisfactory performance as judged by the Admissions Committee are granted full acceptance. Full acceptance is granted only when the student's file is complete. A complete file includes: official copies of standardized test scores, official copies of academic transcripts, two recommendations and a completed application, unless otherwise noted by the Office of Graduate Admissions. The standardized test requirement is waived for those applicants who have completed a prior master's degree or are C.P.A.s.

Note: Individual graduate programs may require additional admission materials for full acceptance.

- **Probationary Acceptance**

Students with academic performance and/or test scores below the normally acceptable levels, but who show potential to be successful in a graduate program, may be granted probationary acceptance at the discretion of the Office of Graduate Admissions. Probationary students will be monitored closely by the program director during their first five courses. Failure to maintain a 3.0 or better GPA is cause for dismissal. After the completion of five courses, with a cumulative GPA of at least a 3.0, the probationary status may be removed at the discretion of the program director.

- **Conditional Acceptance**

The University reserves the right to grant conditional acceptance to students who are missing some of their application materials but who otherwise meet admissions criteria. Conditional acceptance is limited to one semester, during which time the missing application materials must be submitted. Completed application materials will then be reviewed for full acceptance. Individual programs have different requirements for conditional acceptance, and some programs do not offer conditional acceptance. For programs within the School of Business Administration, conditional acceptance is only granted for those who have submitted all of their application materials, but who will need to complete business foundation courses before starting the program.

- **Non-Degree Acceptance**

In certain circumstances, a student may wish to apply as a non-degree student. To apply for non-degree status, students need to submit an admissions application and a transcript indicating the possession of a bachelor's degree. A maximum of five graduate courses may be taken as a non-degree student. Courses taken under non-degree status may be applied to a degree program, but only after all admissions requirements are met and full acceptance is granted. Acceptance as a non-degree

student does not guarantee full acceptance into a graduate program. To change from non-degree to degree status, students must complete all admissions requirements and apply for a change of degree status to the Office of Graduate Admissions. Non-degree acceptance is not available for all programs.

- **Readmission**

Students who have not registered for two consecutive semesters (excluding the summer) must apply directly to the Office of Graduate Admissions for readmission. To be readmitted, students must be in good academic standing (minimum GPA 3.0) and must have no financial obligation to the University. Students must submit official transcripts from any institutions attended since leaving Philadelphia University. Readmission is also subject to available space in the program. Students should check with their program director upon re-entry to review any curriculum changes that may have occurred. Students may be asked to complete additional requirements to graduate.

Documentation

All documents received as part of the admissions procedure become the property of the University. They will not be duplicated, returned to the applicant, or forwarded to any other college, university, individual or agency. One copy of each of the transcripts will be released to the program director.

Statement of Philosophy of Graduate Education

Graduate education at Philadelphia University is an extension of the University's mission to offer professional education. Programs combine theory and practice, scholarly research and application to produce graduates who are prepared for both senior levels of responsibility and further graduate study, including the doctorate. Curricula are organized around foundation, core, concentration and elective courses, and are taught by both full-time faculty and practicing professionals. Curricula are based on measurable learning outcomes developed by University faculty and professional standards as defined by both professional associations and practicing professionals.

Financial Information

Billing questions? Contact Student Accounts Office 215.951.5988 studentaccounts@PhilaU.edu. Go to www.PhilaU.edu/business for more information.

Cashier located on the first floor of Archer Hall: Monday-Friday academic hours 9:30 a.m. to 4 p.m.; 9:30 a.m. to 4 p.m. summer hours.

Expenses for 2011-2012

Tuition and Fees

Graduate tuition for the 2011-2012 academic year is \$892 per credit hour. Credit by examination is \$892 per course. Graduates are charged a \$100 graduation fee. For full-time students enrolled in the Physician Assistant Studies Program the annual tuition is \$34,980. Graduate students who take day or evening undergraduate classes pay the graduate tuition rate for these classes. The tuition is \$699 per credit for students enrolled in the Midwifery Program only. An international student fee of \$55 per semester will be charged to all graduate students who are not U.S. citizens or permanent residents.

All graduate students in the College of Science, Health and the Liberal Arts are required to have health insurance coverage through their family policy, an individual policy or through the University-sponsored health and accident plan. College of Science, Health and the Liberal Arts graduate students are also encouraged to participate in the Needle Stick policy. Other graduate students enrolled in at least three credits may choose to be enrolled in the University-sponsored plan. Please note that enrollment in the University-sponsored plan requires students to also pay the semester Student Health Center fee. For information on the University-sponsored plan, please contact the Student Accounts Office.

In adherence with immigration laws, international students are required to have health insurance coverage. Documentation of adequate health insurance must be provided to the Student Health Center by the second Friday in September for the fall semester and by the first Friday in February for the spring semester. If documentation of adequate health insurance is not provided, the student's account will be charged for the University-sponsored health and accident plan. Adequate health insurance must include coverage for the academic year, be licensed to do business in the United States, have a U.S.-based office and a U.S. telephone number.

Student Billing

Student Accounts Office Located on the first and second floors of Archer Hall: Monday-Friday academic hours 9 a.m. to 5 p.m.; 9 a.m. to 4:30 p.m. summer hours.

Tuition is due by the first day of each semester. Students may pay by one of the following options:

1. Remit payment in full
2. Three payment plan
3. Third Party Billing
4. Financial Aid

Three Payment Plan:

Graduate students who wish to pay their tuition in three monthly installments over the course of the semester must formally notify the University's Student Accounts Office and sign a promissory note to this effect. Students who default on the plan will be placed on financial hold and assessed a \$25 per month late fee. Notification will be required each semester and a new promissory note signed for all new charges.

Third Party Billing:

Third Party Billing Authorization forms are available online. Students whose employers offer tuition remission will need to submit this information to the Student Accounts Office by the first day of the semester. In the event of non-payment by the employer, the student will be responsible for all charges. Notification will be required each semester.

Financial Aid:

To use financial aid, be certain all the proper forms are completed and approved by the Financial Aid Office before registering for courses. Questions about financial aid are handled by the Financial Aid Office. For detailed information regarding financial aid for graduate students, please visit www.PhilaU.edu/financialaid/graduate.

Tuition Insurance:

The University strongly encourages students to enroll in the tuition insurance plan. Coverage can be purchased directly from A.W.G. Dewar prior to the start of classes by calling 617.774.1555 or online at www.tuitionrefundplan.com.

Tuition is due by the first day of each semester. Checks should be made payable to Philadelphia University, ATTN: Student Accounts Office, 4201 Henry Avenue, Philadelphia, PA 19144-5497, with the student's identification number clearly indicated on the face of the check. If the University receives a total of three non-sufficient funds (NSF) checks, all future payments must be made by cash, certified check or money order. Students may also use WebAdvisor to pay their account balances online by accessing the QuickPAY link under the Billing Information section. Electronic checks and credit card payments are accepted. There is no fee to pay by electronic check. Credit card payments will be assessed a

2.75% service fee. Philadelphia University accepts American Express, Discover, and MasterCard for tuition payment.

A student with a zero balance can obtain a tuition receipt after the financial add/drop period for the requested semester. This period usually runs four weeks into the semester. Please contact the Student Accounts Office to acquire a receipt.

Financial Aid

Financial Aid Office: 215.951.2940 financialaid@PhilaU.edu
www.PhilaU.edu/financialaid

Eligible students who are enrolled on at least a half-time basis (defined as at least 4.5 credits per semester) may apply for the Federal Perkins Loan, Federal Work Study, Federal Stafford Loan and Unsubsidized Federal Stafford Loans.

Types of Financial Aid Available:

1. Federal Perkins Loan:

The Federal Perkins Loan program provides students with long-term, low-interest loans for educational expenses. The amount which can be made available to an applicant is based on the student's computed financial need and available funding. A student is eligible to borrow up to \$5,000 during one academic year, but not more than \$30,000 for undergraduate and graduate study. No interest is charged while you maintain at least half-time status. Repayment of the loan with interest at five percent per annum on the unpaid balance begins either six or nine months (based on the conditions of your promissory note) after you graduate or terminate your student status or become less than a half-time student. Repayment must be completed within 10 years after the interest begins to accrue.

Entrance Interviews

Federal law requires that every student who has obtained a Federal Perkins Loan through Philadelphia University must have an entrance interview. This can be done at www.aessuccess.org.

Exit Interviews

Federal law requires that every student who has obtained a Federal Perkins Loan through Philadelphia University must have the opportunity for an exit interview before leaving the University. This can be done online at www.aessuccess.org. The Financial Aid Office will contact the borrowers prior to their anticipated graduation dates to remind them of the necessity for an exit interview.

2. Federal Work-Study Program:

The Federal Work-Study Program is designed to stimulate and promote the part-time employment of students who have demonstrated financial need and who require the wages from the employment to pursue their studies. Students in the Federal Work-Study Program are employed by the University. Students are paid bi-weekly for the hours worked during the preceding pay period. Federal Work-Study is not deducted from the student's tuition invoice. Employment

under the Federal Work-Study Program is awarded as part of your "financial aid package."

The Financial Aid Office will attempt to match you with a job based on your job application form which will be sent with your award letter. You must maintain satisfactory progress to renew your employment.

3. Federal Stafford Loan (Subsidized and Unsubsidized):

Loans are available to students enrolled for at least five credit hours per semester. You may borrow up to \$8,500 per academic year subsidized and \$12,000 per academic year unsubsidized, with annual limits totaling \$20,500 per academic year. The distinguishing feature of the Unsubsidized Federal Stafford Loan is that the interest must be paid by the student, on a quarterly basis, while the student is enrolled in school.

The total amount outstanding that you may borrow for undergraduate and graduate study is \$65,500 subsidized and \$138,500 combined subsidized and unsubsidized.

The annual interest is a fixed rate of 6.0 percent for the subsidized loan and 6.8% for the unsubsidized loan. The government will pay this interest on the subsidized portion of the loan until six months after you have terminated your studies or dropped below half-time status, at which time you must begin repayment of the principal and interest. Interest begins to accrue upon disbursement on the unsubsidized portion of the loan.

There may be a three percent loan-origination fee deducted by the bank from the face value of the loan. In addition, your lender may deduct an insurance fee of up to one percent.

Under current regulations, all applicants must pass a "needs test" to qualify for this loan. A Free Application for Federal Student Aid (FAFSA) must be filed at www.fafsa.ed.gov prior to certification of a loan application by the school. You must maintain satisfactory progress to renew your loan.

Electronic Stafford Loan applications are available at www.aessuccess.org. Sample payment plans for Federal Stafford Loans are available at the Financial Aid Office.

Entrance and Exit Interviews

Federal law requires that when you borrow through the Federal Stafford Loan program for the first time, you must complete an entrance interview. In addition, when you graduate, withdraw, or enroll less than half-time, you must complete an exit interview. The entrance and exit counseling sessions can be completed online at www.aessuccess.org.

4. Graduate PLUS Loan:

The Graduate PLUS Loan allows the graduate student to borrow up to the calculated cost of attendance minus any other aid that the student is receiving. The interest rate is 8.5 percent. Applications and more information are available at www.aessuccess.org

Application Procedures

Philadelphia University requires that all students applying for aid file the Free Application for Federal Student Aid (FAFSA). This may be done online at www.fafsa.ed.gov. Financial aid, regardless of its source, may not be automatically renewable. It is your responsibility to obtain the application forms and submit them once each academic year.

Call the Financial Aid Office at 215.951.2940 with questions.

Graduate Assistantships

A limited number of graduate assistantships are available to selected qualified incoming graduate students. Assistantships are competitive and require full-time enrollment. Compensation includes tuition remission for nine credits for each of the fall and spring semesters and a stipend. Graduate assistants will receive "Guidelines for Graduate Assistantships" with their appointment letters. See pages 119-120 for information. Contact the Office of Graduate Admissions for more information or visit www.philau.edu/financialaid/graduate for details.

Veteran Registration

The University meets all of the criteria for Veterans Education. The graduate programs have been approved for payment assistance. Veterans pay the cost of tuition, fees, books and supplies directly to the University. Veterans Administration education benefits are paid directly to the student on a monthly basis. Contact the University's Financial Aid Office so that appropriate paperwork is filed with the V.A. on the student's behalf.

Withdrawals and Refund of Tuition

To initiate a leave of absence or withdrawal a student must notify their program director in writing. A student is considered in attendance until the formal notification is completed. Federal regulations mandate that a stipulated refund calculation be used for any student receiving any form of federal financial aid who withdraws. A copy of this calculation is available at no charge from the University's Business Office. Tuition for all other students who withdraw from the University will be refunded on the following basis:

| | |
|--------------------------|------|
| Before 1st class meeting | 100% |
| Before 2nd class meeting | 80% |
| Before 3rd class meeting | 60% |
| Before 4th class meeting | 40% |
| After 4th class meeting | 0% |

Online: (*Online classes follow this refund policy regardless of log-in status*)

| | |
|-----------------------------------|------|
| Before classes start | 100% |
| First week of class | 80% |
| Second week of class | 60% |
| Third week of class | 40% |
| Beginning of fourth week of class | 0% |

The date for calculating refunds is the date on the student's written request for withdrawal. Failure to complete withdrawal in writing results in an unofficial withdrawal.

Refunds, transcripts and recommendations will be withheld until this written request is received.

The University uses Federal regulations to determine the refund of federal financial aid funds to the federal government. A copy of this federal refund calculation is available at the University's Financial Aid Office.

Students dismissed from the University receive tuition refunds prorated from date of dismissal. Refunds for medical reasons will be reviewed on an individual basis. All refunds will be paid within 30 days of graduation or withdrawal/dismissal.

Aid Policies

Academic Progress Requirements

The University is required to establish satisfactory academic progress standards for its federal financial aid recipients in accordance with the U.S. Department of Education regulations. These standards ensure that only those recipients demonstrating satisfactory progress toward the completion of their educational programs continue to receive financial aid.

Whether a student is considered to be making satisfactory academic progress depends on successful semester completion of courses (credit hours), cumulative grade point average (GPA) and maximum time limits to complete their course of study. Students must meet all the requirements listed below:

- **Semester Completion Requirement-** A student must have earned hours equal to at least 75 percent of total hours attempted for the semester to remain in good standing. Students earning less than 75 percent of the hours attempted will be placed on financial aid probation.
- **Attempted hours** are defined as the hours for which the student is enrolled and charged as of the census date of each semester. **Earned hours** are defined as the sum of hours for which a student has earned a grade of A, B, C or D. Withdrawals, incompletes, audits and failures are not earned hours. Passing grades received for pass/fail courses are considered attempted and earned hours; failing grades in pass/fail courses are considered attempted but not earned. Repeated courses are included in the calculation of attempted and earned hours.
- **Grade Point Average Requirements-** Students must maintain a cumulative grade point average (GPA) of 2.0 or have academic standing consistent with the requirements for graduation, as determined by the University. Philadelphia University's academic standards are outlined in the graduate course catalog.
- **Maximum Time Limit Requirements-** A student's eligibility for financial aid will be terminated once they have attempted more than 150 percent of the normal credits (as defined in the undergraduate course catalog) required for your degree program. All attempted hours are counted, including transfer hours, whether or not financial aid was received or the course work was successfully completed.

- Evaluation of Academic Progress- A financial aid recipient's satisfactory academic progress is evaluated after each semester of the academic year. At that time, a student will either be in good standing, be placed on financial aid probation or denied financial assistance for future enrollment periods. The student must meet all three progress requirements (completion rate, GPA and be within the maximum time frame) to remain in good standing. Students will be notified by the Financial Aid Office if they are placed on probation or denial status for financial aid.
- Probation status- Probation status will not prevent the student from receiving financial aid. The probationary semester is meant to inform the student of potential academic problems and provide time for corrective action. If a student does not meet the satisfactory academic progress standards after the probationary period, denial status could be imposed or continued probation approved. Denial status will prevent the student from receiving any Title IV and institutional financial assistance for future enrollment until such time as the student meets all satisfactory academic progress standards.
- Appeal and Reinstatement- Students may appeal their denial status by submitting an Appeal Form to the Director of Financial Aid. Appeal forms are included in the letter informing students of their denial status and should be submitted to the Financial Aid Office.

Some circumstances such as medical problems, illness, death in the family, relocation or employment changes or personal problems can be considered for an appeal. Documentation verifying the situation may be requested.

Submission of the form is required within four weeks of receipt of the denial letter. The Director of Financial Aid will review the appeal and contact the student via letter as soon as a decision is reached.

Students can raise their GPA and/or satisfy credit deficiencies by taking additional course work at Philadelphia University without receiving financial aid. Students can eliminate credit deficiencies, but not GPA deficiencies, by successfully completing approved course work at another institution without receiving aid at that institution. Transfer credits used to satisfy credit deficiencies cannot be credits that were earned prior to the semester in which the student incurred the deficiencies. The student must submit a copy of the academic transcript to both the financial aid and registrar's office.

The policy does not preclude a student from enrolling in subsequent semesters. Students may have their financial aid reinstated by the Financial Aid Office once all satisfactory academic progress standards are met. It is the student's responsibility to inform the Financial Aid Office once they have fulfilled the necessary requirements.

Return of Title IV Funds

The Financial Aid Office is required by federal statute to recalculate federal financial aid eligibility for students who withdraw, drop out or take a leave of absence prior to completing 60 percent of a payment period or term. The federal Title IV financial aid programs must be recalculated in these situations.

Recalculation is based on the percentage of earned aid using the following Federal Return of Title IV funds formula:

The number of days completed up to the withdrawal date divided by the total days in the payment period or term equals the percent of the payment period or term completed. (Any break of five days or more is not counted as part of the term.) The percentage is also the percentage of earned aid.

Funds are returned to the appropriate federal program based on the percentage of unearned aid (100 percent minus the percentage of earned aid.)

If a student earned less aid than was disbursed, the institution would be required to return a portion of the funds and the student may be required to return a portion of the funds. Keep in mind that when Title IV funds are returned, the student borrower may owe a debit balance to the institution.

If a student earned more aid than was disbursed to him/her, the institution will offer the student a post-withdrawal disbursement via a letter, which, if accepted, must be paid within 120 days of the student's withdrawal. The student must accept or decline the post withdrawal disbursement within the time frame indicated in the letter.

Refunds are allocated in the following order:

- Unsubsidized Federal Stafford Loans
- Subsidized Federal Stafford Loans
- Federal Perkins Loans
- Federal Graduate PLUS Loans
- Federal Parent PLUS Loans
- Federal Pell Grant
- Federal Academic Competitiveness Grant (ACG)
- National Science and Mathematics Access to Retain Talent Grant (National SMART Grant)
- Federal Supplemental Opportunity Grant

Services

Health Services

The Student Health Center is located in Scholler Hall. Call 215.951.2986. To obtain a health insurance brochure contact the Student Accounts Office at 215.951.2633/2944.

Health Services is available to all international graduate students. Other full-time graduate students may opt to utilize the services by paying the semester Student Health fee and submitting a Prematriculation Health Form. Arrangements to pay the fee can be made by visiting Student Health Services, located at the end of Scholler Hall adjacent to the Althouse Gym, or the Business Office.

The Student Health Center is open weekdays from 9 a.m. to 5 p.m. A Self-Care Station is stocked with common over-the-counter medications and health education brochures

that are available to all students during the hours of operation. The Center is staffed by nurse practitioners who can meet most healthcare needs. Please feel free to call 215.951.2986 for an appointment or visit during walk-in hours. Information about the Center's hours can be found at www.PhilaU.edu/healthservices. Students who require more comprehensive treatment are referred to local physicians, hospitals and laboratories at the student's expense.

Health Insurance

All full-time students are encouraged to have health-insurance coverage through their family policy, an individual policy or through the University-sponsored health and accident plan. Full time graduate students may choose to be enrolled in the University-sponsored plan. Please note that enrollment in the University-sponsored plan requires students to also pay the semester Student Health fee. For information on the University-sponsored plan, please contact the Business Office.

In adherence with immigration laws, international graduate students are required to have health-insurance coverage.

Students will be billed in July for a University-sponsored health and accident plan. In order to have this charge removed, documentation of adequate health insurance must be provided to the Student Health Center by the second Friday in September for the fall semester and by the first Friday in February for the spring semester. If documentation of adequate health insurance is not provided, the charge will remain on the student's account. Adequate health insurance must include coverage for the academic year and providers must be licensed to do business in the United States, have a U.S.-based office and a U.S. telephone number.

Housing

While on-campus housing is reserved for undergraduate students, unreserved space is available for graduate students. The Office of Residence Life places graduate students on a first-come, first-serve waitlist for housing in the Philadelphia University Residences Falls Center complex. In addition, the Office of Residence Life provides listings of off-campus housing including apartment complexes and local rentals, and offers a yearly off-campus housing fair. For further information, please contact the Office of Residential Life at 215.951.2741.

On-Site Courses

The University is prepared to offer graduate courses at an employer's location. Please call the appropriate program director or director of Graduate Admissions for details.

Parking

All students must register their vehicles. Registration may be done at www.PhilaU.edu/security/parking. A valid state registration and current insurance card must be presented, together with a current, valid University I.D., to pick up your parking permit at either the Safety and Security Office on the Ravenhill Campus, Monday through Friday, from 9 a.m. to 5 p.m., or during the first two weeks of the fall and spring semester from 5 p.m. to 7 p.m. in The Tuttleman Center

lobby. For information, call the Safety and Security Office at 215.951.2620.

Fees:

| | |
|--------------------------------------------------|-----------|
| Full-time Day Graduate Students | \$50/year |
| Part-time Day Graduate Students (under 12 hours) | \$15/year |
| Evening Graduate Students | No fee |

Student Identification Card

Student photo-identification cards are available to graduate students. During the first two weeks of classes, the University has extended evening hours to process new student identification cards in The Kanbar Campus Center. Students will need identification cards to check out books and access buildings, such as the library and computer center.

Graduate Degree Programs

Master of Business Administration

Executive Dean, College of Design, Engineering and Commerce: Ron Kander, Ph.D.

Academic Dean, School of Business Administration: Susan Lehrman, Ph.D.

College of Design, Engineering and Commerce Director of Graduate Studies: Adriene Hobdy

Campus Location: Main Campus

Degree Programs

Master of Business Administration – Evening Program

With options in:

- Accounting
- Business Administration
- Finance
- Health Care Management
- International Business
- Marketing
- Retail
- Taxation

Master of Business Administration – One-Year Day Program

Combined Degrees

M.B.A./M.S. in Physician Assistant Studies

M.B.A./M.S. in Taxation

B.S. in Business/M.B.A.*

B.S. in Textile Material Technology/M.B.A.*

**See Undergraduate Academic Programs section of the Academic Catalog for details.*

Certificates

Pre-Master's

- Pre-M.B.A. Foundations

Post-Master's

- Finance
- Health Care Management
- International Business
- Marketing
- Retail
- Taxation

Mission

The Philadelphia University M.B.A. prepares students, with or without undergraduate degrees in business, for careers in organizations that are profitable, sustainable, and ethically grounded. The M.B.A. unites perspectives from across the business disciplines, housed in a design and integrative thinking strategic framework, and emphasizes leadership skills, the ability to apply knowledge in dynamic situations, and the ability to adapt and innovate to meet 21st century business and economic challenges.

Program Learning Outcomes

M.B.A. graduates will:

- Demonstrate disciplinary competency and be able to apply and integrate this knowledge.
- Demonstrate competency in interpersonal, team, and relationship management.
- Identify, analyze, and formulate appropriate responses to ethical dilemmas, as well as have the skill to effectively implement the determined course of action.
- Bridge prior work experience and practice with the concepts and skills learned in the M.B.A. program.
- Be prepared to effectively adapt to future changes.

Program Format

The M.B.A. is available in two formats.

The Evening M.B.A. Program (based on hybrid classes that have a face-to-face and online component) allows students working full-time to complete the program on a part-time basis in as little as 18-24 months. Every M.B.A. candidate participating in the Evening M.B.A. Program will select a three-course/9 credit hour option or focus of study in an area of business or health care management. These options are described below.

The One-Year Day M.B.A. Program of study allows recent college graduates to complete the degree in one year of full-time coursework. In lieu of a concentration, One-Year Day M.B.A. Program students complete a required internship and participate in a ten-day overseas trip where they meet with business leaders and academicians in European or Asian countries. The trip is also open to evening students as an elective.

Regardless of format, the M.B.A. is taught by faculty with a unique combination of practical experience and theoretical knowledge who are involved in research and also consult with domestic and international corporations. Small class sizes allow for personal attention.

For more information about the combined degree programs, students are encouraged to contact the C-DEC Graduate Studies Office.

Foundation Courses

The foundation courses provide a comprehensive general business education and serve as prerequisites for entrance into the Evening M.B.A. Program or One-Year Day MBA Program. These courses offer the common body of knowledge that graduates of a business program are expected to possess.

Note: Foundation course requirements are streamlined to allow easier access to the M.B.A. program, particularly for individuals entering formal business education for the first time. In any given semester, the graduate foundation "MBF" courses (listed below) may only be offered in an online format.

| | |
|--------|-----------------------------------------------------|
| MBF503 | Foundations of Economic Analysis |
| MBF504 | Introduction to Financial and Managerial Accounting |
| MBF505 | Financial Management |
| MBF506 | Marketing Foundations (1.5 credits) |
| MBF508 | Statistical Analysis for Business Decisions |
| MBF509 | Management Concepts (1.5 credits) |
| MBF510 | Operations Management |

Waiver of Foundation Courses

Students with satisfactory equivalent undergraduate or graduate records may have some or all of these foundation courses waived. To be exempt from the foundation courses the following criteria must be met:

1. A grade of "C" or better in undergraduate equivalents. Students may not waive more than five courses in which they have received grades of "C." Waived courses are to be determined by the C-DEC Director of Graduate Studies.

2. Seven-year time limit between date of matriculation into the M.B.A. program and time when undergraduate course was taken.
3. Undergraduate equivalents must be from an accredited university or college.

Individuals without an undergraduate degree in Business Administration:

The foundation courses are offered at the graduate level, but may be completed in a few ways:

1. Completion of the necessary M.B.A. foundation or undergraduate equivalents.
2. Satisfactory completion of a proficiency examination offered by the University.
3. Satisfactory performance in the appropriate College Level Examination Program (CLEP) offered by the Educational Testing Service, Princeton, New Jersey.

Evening M.B.A. Program

The Evening M.B.A. Program responds to the needs of students working full-time, allowing them to acquire a broad breadth of real-world business understanding while concentrating in an area of specific interest. The program format allows students to share their learning with students who have a similar depth of work experience.

Accounting Option (33 Credits)

| Core Courses | | 24 Credits |
|---------------------------|----------------------------------------------|-------------------|
| MBA625 | Management Communications and Negotiations | |
| MBA626 | Global Managing in the 21st Century | |
| MBA627 | Management of Information Through Technology | |
| MBA628 | Accounting for Management Decisions | |
| MBA629 | Financial Policy and Planning | |
| MBA630 | Quantitative Methods in Decisions | |
| MBA632 | Strategic Marketing Management | |
| MBA642 | Strategic Planning in a Global Environment | |
| Option Area Courses | | 9 Credits |
| MBA741 | Financial Accounting and Reporting I (FAR) | |
| MBA742 | Financial Accounting and Reporting II (FAR) | |
| MBA751 | Audit and Attestation (AUD) | |
| TOTAL CREDIT HOURS | | 33 Credits |

Business Administration Option (33 credits)

| Core Courses | | 24 Credits |
|--------------|----------------------------------------------|------------|
| MBA625 | Management Communications and Negotiations | |
| MBA626 | Global Managing in the 21st Century | |
| MBA627 | Management of Information Through Technology | |
| MBA628 | Accounting for Management Decisions | |
| MBA629 | Financial Policy and Planning | |
| MBA630 | Quantitative Methods in Decisions | |
| MBA632 | Strategic Marketing Management | |
| MBA642 | Strategic Planning in a Global Environment | |
| Electives | | 9 Credits* |

*Up to six credits may be taken outside the School of Business Administration with permission of the Director of Graduate Studies.

TOTAL CREDIT HOURS **33 CREDITS**

Finance Option (33 credits)Core Courses 24 Credits

| | |
|--------|----------------------------------------------|
| MBA625 | Management Communications and Negotiations |
| MBA626 | Global Managing in the 21st Century |
| MBA627 | Management of Information Through Technology |
| MBA628 | Accounting for Management Decisions |
| MBA629 | Financial Policy and Planning |
| MBA630 | Quantitative Methods in Decisions |
| MBA632 | Strategic Marketing Management |
| MBA642 | Strategic Planning in a Global Environment |

Option Area Courses 9 Credits

| | |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| MBA772 | Investment and Portfolio Management |
| Select two of the following: | |
| MBA771 | Financial Markets and Institutions |
| MBA774 | International Finance (may be taken with MBA792 International Business trip for an additional three elective credits) |
| MBA775 | Seminar in Finance |
| MBA776 | Speculative Markets |
| MBA777 | Fixed Income Securities |
| MBA778 | Commercial Banking |

TOTAL CREDIT HOURS 33 CREDITS**Health Care Management Option (33 Credits)**Core Courses 24 Credits

| | |
|--------|----------------------------------------------|
| MBA625 | Management Communications and Negotiations |
| MBA626 | Global Managing in the 21st Century |
| MBA627 | Management of Information Through Technology |
| MBA628 | Accounting for Management Decisions |
| MBA629 | Financial Policy and Planning |
| MBA630 | Quantitative Methods in Decisions |
| MBA632 | Strategic Marketing Management |
| MBA642 | Strategic Planning in a Global Environment |

Option Area Courses 9 CreditsHealth Care Management Courses 9 Credits

| | |
|--------|------------------------------------------------------------------|
| MBA720 | Accounting and Financial Management for Health Care Institutions |
|--------|------------------------------------------------------------------|

Select two of the following:

| | |
|--------|-----------------------------------------|
| MBA721 | Legal Aspects of Health Care Management |
| MBA722 | Marketing of Health Care Institutions |
| MBA723 | Managed Health Care |
| MBA724 | Long-term Care Administration |
| MBA725 | Emerging Health Issues |
| MBA726 | Health Care Risk Management |

TOTAL CREDIT HOURS 33 CREDITS**International Business Option (33 credits)**Core Courses 24 Credits

| | |
|--------|----------------------------------------------|
| MBA625 | Management Communications and Negotiations |
| MBA626 | Global Managing in the 21st Century |
| MBA627 | Management of Information Through Technology |
| MBA628 | Accounting for Management Decisions |
| MBA629 | Financial Policy and Planning |
| MBA630 | Quantitative Methods in Decisions |
| MBA632 | Strategic Marketing Management |
| MBA642 | Strategic Planning in a Global Environment |

Option Area Courses 9 Credits

| | |
|--------|--------------------------------------|
| MBA740 | International Business (six credits) |
|--------|--------------------------------------|

Select one of the following:

| | |
|--------|---------------------------------------------------------|
| MBA758 | International Perspectives of Human Resource Management |
| MBA764 | Global Marketing |
| MBA774 | International Finance |

TOTAL CREDIT HOURS 33 CREDITS**Marketing Option (33 credits)**Core Courses 24 Credits

| | |
|--------|----------------------------------------------|
| MBA625 | Management Communications and Negotiations |
| MBA626 | Global Managing in the 21st Century |
| MBA627 | Management of Information Through Technology |
| MBA628 | Accounting for Management Decisions |
| MBA629 | Financial Policy and Planning |
| MBA630 | Quantitative Methods in Decisions |
| MBA632 | Strategic Marketing Management |
| MBA642 | Strategic Planning in a Global Environment |

Option Area Courses 9 Credits

| | |
|--------|--------------------|
| MBA762 | Marketing Research |
|--------|--------------------|

Select two of the following:

| | |
|--------|----------------------------------------------------------------------|
| MBA740 | International Business (six credits; fulfills Marketing requirement) |
| MBA761 | Promotion Management |
| MBA764 | Global Marketing |
| MBA766 | Business-to-Business Marketing |
| MBA780 | Fundamentals of E-Commerce |

TOTAL CREDIT HOURS 33 CREDITS**Retail Option (33 credits)**Core Courses 24 Credits

| | |
|---------|----------------------------------------------|
| MBA625 | Management Communications and Negotiations |
| MBA626 | Global Managing |
| MBA627 | Management of Information Through Technology |
| MBA628 | Accounting for Management Decisions |
| MBA629 | Financial Policy and Planning |
| MBA 630 | Quantitative Methods in Decisions |
| MBA632 | Strategic Marketing Management |
| MBA642 | Strategic Planning in a Global Environment |

Option Area Courses 9 Credits

| | |
|--------|---------------------------------------|
| MBA712 | Global Supply Chain |
| MBA710 | Global Consumer |
| MBA711 | Global Retailing Marketing Management |

TOTAL CREDIT HOURS 33 CREDITS**Taxation Option (33 credits)**Core Courses 24 Credits

| | |
|--------|----------------------------------------------|
| MBA625 | Management Communications and Negotiations |
| MBA626 | Global Managing in the 21st Century |
| MBA627 | Management of Information Through Technology |
| MBA628 | Accounting for Management Decisions |
| MBA629 | Financial Policy and Planning |
| MBA630 | Quantitative Methods in Decisions |
| MBA632 | Strategic Marketing Management |
| MBA642 | Strategic Planning in a Global Environment |

Option Area Courses 9 Credits

| | |
|--------|----------------------|
| TAX660 | Individual Taxation |
| TAX662 | Corporation Taxation |
| TAX664 | Tax Research |

TOTAL CREDIT HOURS 33 CREDITS

M.B.A. Core Specialization Option

The M.B.A. Core Specialization enhances the Evening M.B.A. Program through the existing core courses and without adding cost or time to the program. Part-time M.B.A. students may declare their own customized academic specialization in a particular industry (e.g., healthcare, financial services). By completing four assignments in their chosen specialization (one assignment in four of seven core courses, excluding MBA642), students can earn a certificate and develop a professional portfolio in order to better market their expertise.

The M.B.A. Core Specialization is optional; students who choose not to participate or do not meet the requirements below can still earn the degree of M.B.A., as specified in the Philadelphia University Academic Catalog. Curriculum and assignment guidelines are presented below.

Curriculum Guidelines:

- Students must submit their plan (chosen specialization and list of four core courses) to the Director of Graduate Studies no later than their second semester in the program. Specializations must be approved by the Director of Graduate Studies.
- Students will explore the chosen specialization in an assignment in four of seven core courses, excluding MBA642. (Choose from MBA625, Management Communications and Negotiations; MBA626, Global Managing in the 21st Century; MBA627, Management of Information Through Technology; MBA628, Accounting for Management Decisions; MBA629, Financial Policy and Planning; MBA630, Quantitative Methods in Decisions; MBA632, Strategic Marketing Management.)
- A grade of “B” or better in each of four assignments must be received in order to earn the certificate.
- The student will be responsible for delivering a copy of each graded assignment to the Director of Graduate Studies. The assignments will be kept on file as part of the student’s specialization portfolio.
- If a student receives a grade lower than a “B” in an assignment designated for the specialization in any core course(s), the student may substitute another core course (or courses) — up until the student has completed all seven core courses listed above.
- Since the M.B.A. Core Specialization applies only to core courses, it does not preclude declaration of a concentration.

Assignment Guidelines:

- Each assignment is to reflect the student’s approved specialization within the context of each chosen course and set of course requirements. For example, a student in MBA626 (Global Managing in the 21st Century) whose core specialization is the healthcare industry can complete an assignment that addresses an issue (or issues) in healthcare management.
- At the discretion of the instructor, required assignments may be adapted to fulfill the core specialization assignment. However, in some classes, a student may be required to do an additional assignment, if a core specialization assignment does not fit into the regular class assignments.

- The instructor must approve each assignment and has discretion with respect to specifics (e.g., appropriateness for the course, assignment parameters, etc.).
- Each assignment must be an individual effort and not part of a group project.
- Each assignment will demonstrate the student’s ability to find, analyze, apply and integrate business research within the chosen specialization.
- Each assignment will demonstrate the student’s professional communication skills.
- Each assignment must constitute a graduate-level contribution and result in output suitable for inclusion in the M.B.A. specialization portfolio [e.g., paper or detailed oral (PowerPoint) presentation with significant support documents and references].
- Each assignment must be worth at least 15 percent of the final grade.

One-Year Day M.B.A. Program

The full-time One-Year Day M.B.A. Program responds to the needs of recent college graduates. The program format allows students to share their learning experiences with students who have similar goals and needs. A small, select group of students will proceed through the program together while taking all of their classes during the day.

All M.B.A. prerequisites must be completed before beginning the program. The program begins in late July with intensive daily class meetings. Fall and Spring classes follow a Tuesday/Thursday format, with students completing a two-semester, faculty-guided business internship on Mondays and Wednesdays. A highlight of the spring semester is the International Business trip. Students are exposed to top-level decision makers in business, labor and government through meetings in the corporate headquarters of financial institutions and production companies.

Day M.B.A. Summer Start curriculum & schedule

Complete any outstanding Foundation Courses

LATE JULY AND AUGUST

| | |
|--------|--------------------------------------------|
| MBA625 | Management Communications and Negotiations |
| MBA628 | Accounting for Management Decisions |

FALL SEMESTER

Tuesday/Thursday

| | |
|--------|----------------------------------------------|
| MBA626 | Global Managing in the 21st Century |
| MBA627 | Management of Information Through Technology |
| MBA630 | Quantitative Methods in Decisions |

Monday/Wednesday

| | |
|--------|------------|
| MBA791 | Internship |
|--------|------------|

SPRING SEMESTER

Tuesday/Thursday

| | |
|--------|--------------------------------------------|
| MBA629 | Financial Policy and Planning |
| MBA632 | Strategic Marketing Management |
| MBA642 | Strategic Planning in a Global Environment |
| MBA792 | International Business Trip |

Monday/Wednesday

| | |
|--------|------------|
| MBA791 | Internship |
|--------|------------|

TOTAL CREDIT HOURS

33 CREDITS

Certificate Programs in Business

Administration

To survive in today's rapidly changing business world, working professionals need the most current tools. Continued downsizing dictates doing more with fewer employees. Emerging globalization requires managers with strengths in many areas of expertise. Professionals need more diverse backgrounds and broader knowledge to adapt to and manage change.

At Philadelphia University, we have been serving the changing needs of business leaders by focusing on the practical and contemporary nature of business education, while teaching sound theory.

Pre-Master's Certificate Program

Our Pre-Master's Certificate program is designed for the working professional holding a bachelor's degree who seeks a high-quality, convenient program to develop tomorrow's skills today. The goal of the program is to retool individuals, add to their current strengths and develop new expertise.

Certificates require an individual to complete a minimum of 12 graduate credits (four courses).

Pre-M.B.A. Foundations

If you are interested in learning more about the Pre-Master's Certificate program, please call the C-DEC Graduate Studies Office.

Post-Master's Certificate Program

Our Post-Master's Certificate program is designed for the working professional who holds an M.B.A. and seeks to develop additional skills in another option area.

Complete 12 credits in our respected and successful M.B.A. program toward a certificate specializing in one of the following areas:

- Finance
- Health Care Management
- International Business
- Marketing
- Taxation

The certificate requires the individual to complete a minimum of 12 credits in an area other than the one in which they already have formal academic training. If you are interested in learning more about the Post-Master's Certificate Program, please call the Graduate Studies Office.

M.B.A. Alumni Tuition Discount

Philadelphia University M.B.A. alumni who want to take advantage of any of the new and innovative M.B.A. course offerings can receive a 25 percent tuition discount for one course per semester, for up to five semesters.

Master of Science in Construction Management

Executive Dean, College of Architecture and the Built Environment:

Louis Padulo, Ph.D. (Interim)

Program Director: Edward Keeter, Ph.D.

Campus Location: Main Campus

Degree Program

M.S. in Construction Management

Mission

The Master of Science Degree in Construction Management was established in 2008 to provide students with the knowledge and skills to plan and oversee each phase of the construction process as applied to complex commercial and residential building projects. The mission of the program is to offer a comprehensive construction and management education consistent with the mission of the University and the College of Architecture and the Built Environment to improve the quality and sustainability of the construction industry and thus the built environment.

Program Learning Outcomes

Graduates of the M.S. in Construction Management will:

- Demonstrate expertise and organizational skills in the planning, scheduling, and management of all phases of the construction process from project assessment and feasibility to project close-out and hand over.
- Demonstrate business management skills in finance, accounting, cost estimating and cost control in the preparation of bid documents, contracts, proposals, and specifications and articulate knowledge of the legal requirements in the construction industry, including the breadth of legal contract documents, insurance and liability.
- Work collaboratively with professionals from various disciplines, including architects, developers, and subcontractors, as well as with clients and special-interest groups.

Program Description

The Master of Science Degree in Construction Management will provide students with the knowledge and skills to plan and oversee each phase of the construction process as applied to complex commercial and residential building projects. Areas of study will include: project planning, scheduling and risk management; Building Information Modeling techniques and documentation; legal and contractual issues; project economics; and health and safety. Moreover, a key component of the program will be the integration of techniques, materials and methods of sustainable building into the construction process. Future construction managers will be trained in the principles of sustainability and Leadership in Energy and Ecological Design (LEED) standards. By definition, construction management is a cross-disciplinary practice that synthesizes aspects from the fields of business, architecture, engineering and construction. This degree

program will provide a balance among various skill sets with emphasis upon practical application, thereby ensuring that a graduate has the necessary knowledge base to be simultaneously successful on a construction site and in an office setting.

Curriculum Design

The program is designed as a 31-credit, 11-course curriculum that can be completed in one to two years depending on the course load taken by the student. The courses will be offered in two 15-week semesters per year, as well some offerings in the 12-week summer semester. In addition to coursework, a student will be required to complete a minimum of 400 hours work experience in a construction firm under the supervision of an academic and a professional advisor.

Conditional Requirements

Before matriculation in the fall semester, a student must have acquired specific skill sets and introductory-level knowledge bases. The Program Director will review each applicant's academic and work history to determine readiness for graduate-level study. Students who are judged deficient in certain content areas will be admitted conditionally, upon completion of designated prerequisite coursework. Prerequisite courses can be completed by taking classes on-campus or, if available, online during the summer before entering the program.

Full-Time Program

FALL SEMESTER

| | | |
|---------|--------------------------------------------|---|
| MCM 601 | Advanced Construction Project Management | 3 |
| MCM 602 | Construction Information Modeling | 3 |
| SDN 601 | Sustainable Design Methodologies | 3 |
| MBA 625 | Management Communications and Negotiations | 3 |

SPRING SEMESTER

| | | |
|----------|----------------------------------------------|---|
| MCM 603 | Construction Law: Roles and Responsibilities | 3 |
| MCM 604 | Project Finance and Cost Control | 3 |
| SDN 603 | Sustainable Systems | 3 |
| Elective | | 3 |

SUMMER SEMESTER

| | | |
|----------|------------------------------------|---|
| Elective | | 3 |
| MCM 901 | Master's Project | 3 |
| MCM-791 | Construction Management Internship | 1 |

TOTAL CREDIT HOURS **31 CREDITS**

Certificate in Sustainable Construction Management

The Construction Management program in the College of Architecture and the Built Environment offers to those with at least two years of professional experience in the construction management field the opportunity to further develop their knowledge of current trends in the industry. Our 12 credit hour certificate program recognizes the major changes happening in the architecture and construction industry in the fields of sustainable buildings, integrated practice and building information modeling. Therefore the program offers three courses that specifically address these areas while offering flexibility by a fourth elective course of the student's

choice. Acceptance to the certificate program assumes the applicant already possesses a level of competency in the construction management field gained through professional experience.

| | | |
|-------------------------------------------------------------------|-----------------------------------|---|
| MCM 602 | Construction Information Modeling | 3 |
| SDN 601 | Sustainable Design Methodologies | 3 |
| SDN 603 | Sustainable Systems | 3 |
| Elective: Any other required or elective course in the curriculum | | 3 |

TOTAL CREDIT HOURS **12 CREDITS**

Master of Science in Disaster Medicine and Management

Executive Dean, College of Science, Health and the Liberal Arts: Matt Dane Baker, PA-C, D.H.Sc.

Program Director: Jean Bail, Ed.D., RN, MSN, CEN, EMT-P

Campus Location: This is primarily a distance-learning program with a one-week, on-campus requirement. Hybrid sections with seminar time are available for many courses, combining online course requirements with in-person activities.

Degree Program

M.S. in Disaster Medicine and Management

Certificate Programs

- Disaster Medicine and Management
- Business and Organizational Continuity

Mission

Disaster Medicine and Management is a graduate program focusing on a comprehensive foundation of disaster medicine and emergency management principles and practice. The program recognizes that there is an overwhelming global need to educate professionals whose expertise will be needed to prepare for, respond to and recover from natural and man-made disasters and mass casualty incidents. Through experiential learning and intensive online work, learners apply written and verbal communication skills, research analysis, interdisciplinary collaboration, and critical thinking to operational approaches of disaster management.

Program Learning Outcomes

- Graduates of the Disaster Medicine and Management Program will be able to:
- Apply information from the core subjects in disaster/emergency management to prepare for participation in the global response community.
- Effectively communicate in written and oral formats complex, analytical emergency response needs, analysis, plans, and policies.
- Analyze the current literature to discuss the practice of disaster management and contribute to the knowledge base.
- Apply multi-disciplinary and collaborative approaches to integrate theory and practice to inform the management of potential disasters, and to prepare for future disasters using an all-hazards approach.
- Introduce / change to the field by using a strong foundation in the history and practice of disaster management to anticipate future directions.
- Apply core information to develop and implement a systematic approach to exercise development, evaluation, and post exercise evaluation activities.

Program Description

Recent events in our nation and the world have focused our attention on the prevalence of disasters, mass casualty

situations and public service disruptions including terrorism, biological and chemical terrorism, war, tsunamis, earthquakes, hurricanes, floods, wildfires, volcanoes and major power grid disruptions. Additionally, we are facing an increasing number of accidents involving hazardous materials. The effects of all of these events on people, animals, the environment, physical structures and our public infrastructure have been immense. This has brought increased attention to our public safety, emergency medical services (EMS) and public health systems in terms of disaster preparedness. The need for a highly organized disaster preparedness infrastructure and individuals with expertise in this area has become readily apparent to the government and private sector. Disaster emergency planning and management has become an expanding area of study in the fields of medicine, emergency medical services, public safety, mental health, public health and the military.

The Master of Science in Disaster Medicine and Management is a comprehensive graduate degree program encompassing all facets of disaster management. The program encompasses the study of: terrorism, weapons of mass destruction, hazardous materials, natural disasters, psychological aspects of disasters, acute traumatic stress intervention, public health considerations of disasters, research methods and disaster planning and management including risk assessment, incident command and resource allocation. The target audience for this degree program is medical, public safety and defense professionals working in the public and private sectors. The program is delivered as a partnership between Philadelphia University and the Department of Emergency Medicine of the Albert Einstein Health Network.

This program is offered in two formats: a flexible distance-learning process or a hybrid model combining the online requirements with seminar and in-person activities. The program is designed as a 36-credit, 12-course curriculum that can be completed in one to three years depending on the course load taken by the student. The courses will be offered in four 12-week semesters per year. Courses will be offered in a distance-learning format using the BlackBoard® course management system with a variety of teaching modalities such as on-line PowerPoint® lectures with audio, asynchronous discussion boards, synchronous chat rooms, via Adobe Connect, reading assignments, research papers, on-line journals and on-line testing. The Hybrid course delivery model includes the online materials plus seminars and activities as directed by the faculty. Students will be required to attend one six and a half day, on-campus, summer seminar that will include live lectures, hands-on skills labs, role-playing seminars, disaster drills and table-top exercises. This summer seminar is a mandatory component of two of the required courses (DMM635 and DMM639). Students will also be required to complete a capstone experience that has several options, but a formal thesis is not required. The program can arrange for students to participate in an internship at a site that provides emergency and disaster planning and preparedness in the United States and internationally.

The program also offers two nine-credit, three-course, graduate certificates for professionals seeking a less intensive educational experience. One involves core material on Disaster Medicine and Management for those seeking a less intensive educational experience. The second certificate addresses business and crisis continuity issues exploring organizational continuity, risk assessment and organizational recovery.

E-Learning at Philadelphia University

The program is offered in a flexible on-line environment. In the online delivery model, the vast majority of this is asynchronous and can be completed on the student's own schedule provided the student meets the required examination and assignment deadlines. The hybrid model combines the online platform and expands the material using campus based seminars and activities chosen by the faculty.

Program Hardware and Software Requirements:

- Access to a computer with the Windows operating system (Windows 2000, Windows XP or above) and the capacity to hear audio (sound card). Also, a USB microphone is required and web cam capability will be useful.
- Internet access with high speed connection (DSL, Broadband or cable)
- Microsoft Office software (Word and PowerPoint)

Admission to the Program

Applications to the program should be submitted to the Philadelphia University Office of Graduate Admissions. Admission into the program requires a bachelor's degree, undergraduate transcripts, a current resume, two letters of recommendation and a personal essay. Admission to the program will be based on several criteria: undergraduate GPA; relevant work experience; two letters of reference; a personal essay; and whether or not the applicant has completed the required prerequisites (see below). The GRE is not required.

Prerequisite Courses

| | |
|---------------------------------------------------------|-----|
| English Composition or College Writing | 3 |
| College-level Math or Statistics | 3 |
| General Biology or Anatomy and Physiology or Equivalent | 3-4 |
| Introductory Psychology or Behavioral Science Course | 3 |

Curriculum

Core Courses

| | | |
|--------|------------------------------------------------------------------------------------------------|---|
| DMM611 | Principles of Disaster Medicine and Management | 3 |
| DMM631 | Organizational Management & Communication in Disasters | 3 |
| DMM635 | Psychological Aspects of Disasters (Distance learning & mandatory on-campus experience) | 3 |
| DMM639 | Principles of Disaster Exercises & Drills (Distance learning & mandatory on-campus experience) | 3 |
| DMM643 | Public Health Implications of Disasters | 3 |
| DMM647 | Disaster Emergency Planning | 3 |
| DMM651 | Applied Research Methods & Statistics | 3 |
| DMM755 | Capstone Experience in Disaster Medicine and Management: | 3 |

Master's Project (Distance Learning Only)
 Master's Project with Internship

Electives: (Choose four from the following)

| | | |
|--------|-------------------------------------------------------|-----|
| DMM612 | Foundations of Homeland Security & Defense | 3 |
| DMM615 | Hazardous Materials & Industrial Safety | 3 |
| DMM617 | GIS in Emergency Management | 3 |
| DMM619 | Natural Disasters | 3 |
| DMM623 | Weapons of Mass Destruction | 3 |
| DMM624 | Organizational Risk and Crisis Management | 3 |
| DMM625 | Business and Crisis Continuity | 3 |
| DMM626 | Organizational Recovery and Planning | 3 |
| DMM627 | Principles of Terrorism | 3 |
| DMM648 | Emergency Preparedness with Special Needs Populations | 3 |
| DMM649 | Healthcare Emergency Management | 3 |
| DMM653 | Clinical Disaster Medicine | 3 |
| DMM791 | Internship in Disaster Medicine and Management | 3 |
| DMM797 | Special Topics in Disaster Medicine and Management | 1-3 |

TOTAL CREDIT HOURS **36 CREDITS**

Graduate Certificate in Disaster Medicine and Management

Core Courses (Required):

| | | |
|------------|------------------------------------------------|---|
| DMM611 | Principles of Disaster Medicine and Management | 3 |
| DMM647 | Disaster Emergency Planning | 3 |
| Electives: | (Choose any one DMM course) | 3 |

TOTAL CREDIT HOURS **9 CREDITS**

Graduate Certificate in Business and Organizational Continuity

| | | |
|--------|-------------------------------------------|---|
| DMM625 | Business and Crisis Continuity | 3 |
| DMM624 | Organizational Risk and Crisis Management | 3 |
| DMM626 | Organizational Recovery and Planning | 3 |

TOTAL CREDIT HOURS **9 CREDITS**

Master of Science in Fashion Apparel Studies

Executive Dean, College of Design, Engineering and Commerce:

Ron Kander, Ph.D.

Academic Dean, School of Business Administration:

Susan Lehrman, Ph.D.

College of Design, Engineering and Commerce Director of Graduate Studies:

Adriene Hobday

Program Director:

Jeremy Roseneau

Campus Location: Main Campus

Degree Program

M.S. in Fashion Apparel Studies

Combined Degrees

B.S. in Business (Fashion Industry Management) / M.S. in Fashion Apparel Studies*

*See *Undergraduate Academic Programs* section of the *Academic Catalog* for details.

Mission

The mission of the Master of Science Fashion Apparel Studies program is to provide students strategic, tactical, and operational skills necessary to effectively and efficiently manage a global apparel enterprise.

Program Goals

Through a carefully designed educational program, the student will develop effective communication skills, have a robust understanding of the complexities of all relationships in the global apparel and textile supply chain, be able to apply current technology in the apparel industry to make value maximizing decisions, and apply critical thinking to meet the unique challenges of the global apparel industry.

Program Learning Outcomes

Graduates of the M.S. in Fashion Apparel Studies will:

- Construct grammatically correct text; formulate logical, complete sentences and articulate thoughts in a concise manner exhibiting awareness of their audience and purpose of their text.
- Demonstrate ability to deliver professional business presentations using appropriate presentation aids (such as PowerPoint).
- Demonstrate ability to develop and implement core business functions within a global environment.
- Demonstrate an understanding of the multi-cultural influences on the ethical conduct of business throughout the global apparel and textile supply chain.
- Demonstrate ability to understand and apply new technology to analyze the costs and benefits, ROI, leasing, increase in speed to market, and process of implementation.
- Demonstrate the ability to integrate knowledge from other related disciplines to discover, develop and defend

innovative solutions for solving complex problems facing fashion and apparel industry.

Curriculum

Graduate students with differing professional goals and interests are brought together in common courses and the seminar program.

The curriculum includes core and elective courses and a choice of writing a Research Paper or writing and defending a Thesis. The Research Paper option includes 25 hours of core courses, 9 credit hours of electives and 3 credit hours for the Research Paper. The Thesis option includes 22 hours of core courses, 6 credit hours of electives, 2 credit hours for Thesis Preparation and 4 credit hours for completing the thesis.

Foundation Courses

| | |
|------------|-----------------------------------------------------|
| MBF501 | Introduction to Computer Skills (1 credit) |
| MBF504 | Introduction to Financial and Managerial Accounting |
| MBF505 | Financial Management |
| MBF508 | Statistical Analysis for Business Decisions |
| TEXT101 | Survey of Textile Industry |
| FASHMGT101 | Survey of the Global Apparel Industry |
| FASF501 | Garment Development |
| FASF505 | Apparel Production |
| FASF510 | Apparel Work Measurement |

Core Courses

22-25 Credits

| | |
|---------|-------------------------------------------------------|
| FAS611 | Product Development |
| FAS621 | Global Marketing and Sourcing Strategies |
| FAS622 | Distribution Management |
| FAS732 | Global textile and Apparel Industry Seminar |
| FAS734 | Inventory & Logistics Mgmt in the Global Supply Chain |
| FAS790 | Textile and Apparel Business Policy and Strategic |
| MBA628 | Accounting for Management Decisions |
| MBA762 | Market Research (for Research Paper option only) |
| TXE 759 | Product Evaluation |

Electives

6-9 Credits

| | |
|--------|--------------------------------------------|
| FAS612 | Implementation of New Technologies |
| FAS631 | Computer Integrated Management |
| FAS632 | Systems Engineering |
| FAS731 | Textile Marketing |
| FAS791 | Internship |
| MBA625 | Management Communications and Negotiations |
| MBA759 | Entrepreneurship |
| MBA764 | Global Marketing |
| TXD665 | Design Management |
| TXE721 | Analytical Methods |
| TXE762 | Textile and Apparel Operations Management |
| TXE790 | Quality Management |
| FAS763 | Research Paper 3 credits |
| FAS763 | Research Paper |

OR

| | |
|--------|--------------------|
| FAS923 | Thesis 6 credits |
| FAS941 | Thesis Preparation |
| FAS941 | Thesis |

TOTAL CREDIT HOURS

34-37 CREDITS

Master of Science in Industrial Design

Executive Dean, College of Design, Engineering and Commerce: Ron Kander, Ph.D.

Academic Dean, School of Design and Engineering: Michael Leonard (Interim)

College of Design, Engineering and Commerce Director of Graduate Studies: Adriene Hobday

M.S. Industrial Design Coordinator: Tod Corlett

Campus Location: Main Campus

Degree Program

M.S. in Industrial Design

Mission

The mission of the M.S. ID program is to provide students knowledge of the effective design of products and systems used by people and informed by user-centered research. It is taught in an interdisciplinary studio context, and intended for curious, motivated students with undergraduate degrees in design or in other fields.

Program Learning Outcomes

Graduates from the Master of Science in Industrial Design will be able to effectively and specifically address the following issues in the context of product/system development on a corporate, entrepreneurial or consulting basis:

Design Process

- Apply knowledge of the cultural, political, economic and cognitive issues surrounding concepts of beauty, usability and user experience in the context of designed objects and systems.
- Understand relationships between form and function, and be able to choose appropriate aesthetic responses in diverse design situations.

Globalism

- Work effectively in a global environment by understanding transnational systems in which products and systems are designed, manufactured, marketed, sold and used.

Sustainability

- Understand the challenges for design implicit in issues such as climate change, pollution, resource limitations and economic development, and apply the designer's role appropriately in responding to these pressing issues.

Research and Innovation

- Find changes in social, economic and technological factors which represent potential opportunities for new products, and translate these into effective design interventions. Analyze interactions between people and products, and iteratively improve products and systems in an experiential context.

Interdisciplinary Leadership

- Work productively in cross-disciplinary teams, and apply methods to increase their effectiveness. Identify and determine effective responses to new cultural and technological challenges and opportunities facing the industrial design profession.

Admissions Criteria

A design portfolio is necessary; along with a letter of intent specifying the student's career goals and goals for the period of study.

Applicants must demonstrate through portfolio an ability to conceive, iterate and improve design concepts, to use sketching and computer-based tools to communicate and document these ideas, and to make things in three dimensions. It is also expected that qualified applicants will have knowledge of human factors issues and of the history of art and design, and some familiarity working in a critique-based studio environment incorporating team project work. These abilities can be gained through academic study or through personal/professional experience.

Because of the interdisciplinary emphasis of the Industrial Design program, it is anticipated that prospective students will come from various backgrounds and levels of expertise. If an applicant is found to need development in professional skills but is otherwise qualified, the MSID program can formally prescribe additional undergraduate courses as foundational preparation. These courses may be taken before starting the MSID studio sequence or concurrently with it, at the MSID Program's option. All applicants to the program must meet with a program representative to determine necessary foundational courses.

Curriculum Sequence

(33 graduate credits minimum- see note below)

Foundation Courses

| | |
|---------|----------------------------------|
| CADF500 | CAD I for Industrial Design |
| CADF501 | Digital Design Techniques |
| IDF501 | Design Development Drawing |
| IDF505 | Materials/Process: Manufacturing |
| IDF507 | Design I for Industrial Design |
| IDF508 | Materials & Process: Fabrication |
| IDF509 | Rendering |
| IDF510 | Ergonomics Studies |
| IDF513 | Design V for Industrial Design |
| IDF515 | Design VI for Industrial Design |
| IDF514 | Visual Studies: Drawing |

YEAR I

SUMMER SEMESTER

| | | |
|---------|---------------------------|---|
| MSID500 | Skills and Methods for ID | 3 |
|---------|---------------------------|---|

FALL SEMESTER

| | | |
|---------|-------------------------------------|---|
| MSID703 | User-Centered Studio | 6 |
| MSID700 | Research and Design Process Methods | 3 |

SPRING SEMESTER

| | | |
|---------|-------------------------------|---|
| MSID6XX | Collaborative Studio | 6 |
| MSID6XX | Seminar: Current Issues In ID | 3 |

YEAR II**SUMMER SEMESTER**

| | | |
|---------|-----------------------------------------------------|---|
| MSID7XX | MSID Internship/ Independent Study (Or Elective) | 3 |
|---------|-----------------------------------------------------|---|

FALL SEMESTER

| | | |
|---------|---------------------------------------|---|
| MSID8XX | Master's Project I: Implementation | 6 |
| MSID7XX | Workshop: Prototyping | 3 |

SPRING SEMESTER

| | | |
|---------|------------------------------------------|---|
| MSID8XX | Master's Project II: Dev't/Evaluation | 6 |
| MSID7XX | Practice Tutorial (or Elective) | 3 |

Elective

| | | |
|---------|------------------------------------------------------------------|---|
| MSID6XX | Graduate Intercultural Innovation in Hong Kong (short course) | 3 |
|---------|------------------------------------------------------------------|---|

FOUNDATION CREDIT HOURS

As necessary, based on portfolio review

GRADUATE CREDIT HOURS 33 CREDITS (MINIMUM)**Notes:**

- Highly qualified students may be exempted from MSID 6XX Skills and Methods, MSID 7XX Internship/Independent Study, and/or MSID 7XX Practice Tutorial, based on portfolio review. Students not exempted will take 42 graduate credits.
- MSID students may take the MSID elective 6XX Intercultural Innovation in Hong Kong, or other graduate electives (Sustainable Design recommended), subject to availability and program requirements.

Master of Science in Interactive Design and Media

Executive Dean, College of Design, Engineering and Commerce: Ron Kander, Ph.D.

Academic Dean, School of Design and Engineering: Michael Leonard (Interim)

College of Design, Engineering and Commerce Director of Graduate Studies: Adriene Hobday

Program Coordinator: Sherman Finch

Campus Location: Main Campus

Degree Program

M.S. in Interactive Design and Media

Options

- 2-Year Program
- 3-Year Program

Mission

The mission of the M.S. in Interactive Design and Media is to prepare students to be professionals who will change standards by which society communicates and interacts. When one looks at web sites, mobile communications devices, graphic user interfaces, or integrated systems, one sees the importance of interaction in communicating a rich media experience. For businesses, success depends on a well-designed, engaging, dynamic, and robust user experience. The M.S. in Interactive Design and Media program provides students the necessary skill sets and promotes the critical thinking that is vital to this evolving field.

The predominant feature of the M.S. in Interactive Design and Media program is the development of new and innovative ways of communicating and learning to work as a team. The program offers students a unique opportunity to study in an interdisciplinary atmosphere. While learning to be a successful member of an interdisciplinary design team students acquire skills to manipulate digital technology, communicate ideas, visualize design proposals, and manage information.

Program Learning Outcomes

Graduates of the M.S. in Interactive Design and Media will:

Best Practices in Visual Communication, Information Literacy

- Use principles of design, such as visual organization, information hierarchy, typography, narrative, and aesthetics to solve problems.
- Plan and design usable sites by collecting data through various methods.
- Analyze and evaluate data, plan, and execute intuitive interfaces, user experiences, and rich interactive designs.

Practical Interactive Knowledge and Technological Skills

- Use equipment, technology, and resources that represent current trends in the field.
- Analyze and design functional prototypes.

- Apply user experience design principles.
- Evaluate and respond to user needs and develop solutions to usability problems.
- Apply fundamental concepts of internet and digital marketing including social media, and email marketing.
- Create and analyze system architecture such as Content Management Systems, web development, user interactions, database development.

Development, Production, and Post Production Knowledge

- Use computer languages, compilers, interpreters and assembler products to produce code and output to meet specifications
- Illustrate an understanding of digital technologies in the creation, production, and use of visual communication. Utilize and synthesize digital tools including software, photography, time-based and interactive media to create effective visual designs.

The M.S. in Interactive Design and Media program emphasizes the following:

- Skills in planning, organizing, and executing an interactive visual design. Critical thinking skills and problem solving for complex interactive design projects on both a formal and conceptual level.
- Competence in digital technologies, analytics, information design, strategy, and methods of usability.
- The importance of collaborative and interdisciplinary work, fundamental to the success of graduates in the digital design field.
- A strong understanding of and appreciation for cultural diversity and the ability to serve society in a responsible and ethical way.
- The major accomplishments in the history of interactive design, including the works and intentions of leading visionaries, developers, and designers in the past and present.

The M.S. in Interactive Design and Media program concludes with a final capstone research project. In this synthesis studio, students will develop a final, working prototype of a product, service, entertainment or publication of their choice that synthesizes all of their knowledge and skill from the previous semesters. The final project demonstrates marketability and/or successful functionality within the larger community. This project prepares the student to enter the rapidly expanding field of interactive design by closely emulating the professional interactive design environment. It prepares the student to enter a profession that requires innovative designers with the ability to work within a collaborative interdisciplinary team.

Admissions Criteria

M.S. in Interactive Design and Media 2-Year Program

An undergraduate degree in design is highly recommended for this 2 yr program.

Applicants must demonstrate a high degree of technical proficiency in interactive design as well as an ability to

conceptualize and produce at a sophisticated level of communication. The background for this skill set could come from significant professional experience and/or previous study. An online interactive design portfolio is necessary, two letters of recommendation, transcripts, resume, along with a letter of intent, specifying the student's goals for the period of study.

M.S. in Interactive Design and Media 3-Year Program

Applicants must demonstrate an understanding of and aptitude for design or the visual arts, either through professional experience and/or previous study. A portfolio demonstrating the candidate's creativity is required. This portfolio can be in the form of a CD and does not have to be online. Also required are two letters of recommendation, transcripts, resume along with a letter of intent specifying the student's goals for the period of study. The initial courses in this track provide an appropriate foundation for students who have a background in the visual disciplines but need additional design or interactive experience before they start two years of immersive graduate coursework. In some cases students from other disciplines who demonstrate a particular aptitude for design may be accepted into the program.

Curriculum Sequence

Because of the interdisciplinary emphasis of the Interactive Design and Media program, it is anticipated that prospective students will come from various backgrounds and levels of expertise. Both programs are designed to accommodate these different backgrounds by offering two distinct curricular sequences.

The 2-year program is open to students who already possess an undergraduate degree or professional experience in design. They must demonstrate a high level of technical and conceptual competency in a core group of technological abilities including skills in web design, video production, and rich media.

The 3-year program is open to students who possess an undergraduate degree or professional experience, but the degree is not in design. They must demonstrate a mid-level of technical and conceptual competency in a core group of technological abilities. This type of student will benefit from an additional year of interactive foundations, where they will acquire the necessary technical and design skills and critical thinking abilities needed to perform in the 2-year program.

2-Year Program

(36 graduate credits)

YEAR I

FALL SEMESTER

| | | |
|--------|----------------------------------------------------------|---|
| IDD621 | Digital Experience Design | 6 |
| IDD623 | Theory of Electronic Communication II (graduate seminar) | 3 |

SPRING SEMESTER

| | | |
|--------|-----------------------------------|---|
| IDD631 | Digital Innovation Design | 6 |
| IDD632 | Database Management and Scripting | 3 |

YEAR II**FALL SEMESTER**

| | | |
|---------------|--------------------------------------------------|---|
| IDD635 | Interactive Narrative/Drama | 3 |
| IDD941 | Interactive Design Synthesis Project Preparation | 3 |
| Free Elective | | 3 |

SPRING SEMESTER

| | | |
|---------------|--------------------------------------|---|
| IDD942 | Interactive Design Synthesis Project | 6 |
| Free Elective | | 3 |

TOTAL CREDIT HOURS **36 CREDITS**

3-Year Program

(18 foundation credits and 36 graduate credits)

This program is open to students with a bachelor's degree. Typically, this degree will be in a visually based discipline, although in some cases students from other disciplines who demonstrate a particular aptitude for design could also be accepted in the program. Students in the 3-year program will be required to take 18 credits of foundation courses in their first year. After a summer break, they will begin master's-level coursework.

YEAR I**FALL SEMESTER**

Foundation Courses

| | | |
|--------|-----------------------------------------------------|---|
| IDF502 | Electronic Imaging | 3 |
| IDF511 | Interactive Design III (undergraduate-level studio) | 6 |

SPRING SEMESTER

Foundation Courses

| | | |
|---------------|----------------------------------------------------|---|
| IDF512 | Interactive Design IV (undergraduate-level studio) | 6 |
| Free Elective | | 3 |

FOUNDATION CREDIT HOURS **18 CREDITS**

YEAR II**FALL SEMESTER**

| | | |
|--------|----------------------------------------------------------|---|
| IDD621 | Digital Experience Design | 6 |
| IDD623 | Theory of Electronic Communication II (graduate seminar) | 3 |

SPRING SEMESTER

| | | |
|--------|-----------------------------------|---|
| IDD631 | Digital Innovation Design | 6 |
| IDD632 | Database Management and Scripting | 3 |

YEAR III

Fall Semester

| | | |
|---------------|--------------------------------------------------|---|
| IDD635 | Interactive Narrative/Drama | 3 |
| IDD941 | Interactive Design Synthesis Project Preparation | 3 |
| Free Elective | | 3 |

SPRING SEMESTER

| | | |
|---------------|--------------------------------------|---|
| IDD942 | Interactive Design Synthesis Project | 6 |
| Free Elective | | 3 |

GRADUATE CREDIT HOURS **36 CREDITS**

TOTAL CREDIT HOURS **54 CREDITS**

Master of Science in Interior Architecture

Executive Dean, College of Architecture and the Built Environment: *Louis Padulo, Ph.D. (Interim)*

Program Director: Scott Ageloff

Campus Location: Main Campus

Degree Program

M.S. in Interior Architecture*Mission*

The Master of Science in Interior Architecture provides students with the knowledge and skills to practice as interior designers in small, medium, and large scale offices, which specialize in all areas of the profession including residential, commercial, corporate, healthcare, hospitality, and education. This degree is intended to be a first professional degree, which meets the needs of students whose bachelors' degrees are in allied fields of study, as well as those with non-design bachelor's degrees.

Program Description

Areas of study within the Interior Architecture degree will include foundation two-dimensional and three-dimensional design, advanced spatial/interior design, analogue and digital representation techniques, programming, sustainable design, building structures, construction methods and technologies, building systems and lighting, color theory, design detailing, materials, finishes, codes, barrier free design, universal design, professional practice and ethics.

A focus of the program will be imparting a holistic approach to the design of interior environments along with a complete knowledge of the building technologies and construction. Additionally, the teaching of sustainable and ecological design is fully integrated into the curriculum. The understanding of ecological/sustainable design is very marketable in the field with Leadership in Energy and Environmental Design (LEED) certifications of interior design professionals in high demand.

Students will be prepared to graduate and work for the largest of corporate firms anywhere in the state, country and abroad. After completing their internships in the field, they will be fully prepared to sit for and pass the National Council for Interior Design Qualification (NCIDQ) certification exam, which is recommended throughout the U.S. and Canada.

The M.S. in Interior Architecture program's placement in the College of Architecture and the Built Environment represents the philosophical belief and practical understanding of the cross-disciplinary nature and relationship among interior design, architecture, landscape architecture, sustainable design, and construction management. This is a pedagogical strength of this program and presents a considerable advantage to students.

This degree program provides a balance between a complete knowledge of the discipline and various skill sets

needed for practical application, thereby ensuring that a graduate will be successful in principal, management, design or production positions. The name of the program, Interior Architecture, is a further reflection of the philosophy and pedagogy emphasizing the design of the entire interior environment encompassing all parts of the interior volume and acknowledging the continuum between architecture and interiors.

The target audiences for this degree program are two distinct groups: 1) graduates from undergraduate programs in allied design or engineering fields such as architecture, industrial design, architectural engineering, visual arts and design; and 2) graduates from undergraduate programs in unrelated fields such as liberal arts, business and the sciences who are seeking a career change. The proposed program will be a 3-2 program with 69 credits required over three years for students with unrelated bachelor's degrees and 49-69 credits for those with related bachelor's degrees.

Conditional Requirements

Before matriculation in the fall semester, a student must have acquired specific skill sets and introductory-level knowledge bases. The director of the M.S. in Interior Architecture Program will review each applicant's academic and work history to determine readiness for graduate-level study. Students who are judged and evaluated in certain content areas will be admitted into the program for the full three-year sequence, or be required to take only select courses from the Year 1 curriculum, or be permitted to enter starting at Year 2.

Curriculum Scope and Sequence

The program is designed as a 49-69 credit, 15-21 course curriculum that can be completed in two to three years depending on a student's background and pending course requirements. Students with undergraduate degrees from allied fields may be able to complete the program in two years (49 credits/15 courses). Those with undergraduate degrees in unrelated fields, such as liberal arts and sciences, may need the full three-year 69-credit /21-course sequence. All courses, except the abroad semester, will be offered in two, 15-week semesters per year. The exceptions are a seven-week abroad semester, which will be in the summer after Year 2. The internship will allow the student to receive work experience in an architecture or interior design firm under the supervision of an academic and a professional advisor.

Course Sequence Chart

FALL SEMESTER – YEAR 1

(Required for those with unrelated undergraduate degrees)

| | | |
|----------|------------------------------|-----------|
| IARCP501 | Design I for I.A. | 4 credits |
| IARCP503 | Graphic Representation | 3 credits |
| IARCP505 | History of Design I for I.A. | 3 credits |

SPRING SEMESTER – YEAR 1

(Required for those with unrelated undergraduate degrees)

| | | |
|----------|-------------------------|-----------|
| IARCP502 | Design II for I.A. | 4 credits |
| IARCP504 | Visual Communication I | 3 credits |
| IARCP508 | Presentation Techniques | 3 credits |

FALL SEMESTER – YEAR 2

| | | |
|---------|-------------------------------|-----------|
| IARC601 | Design IIIA for I.A. | 3 credits |
| IARC603 | History of Design II for I.A. | 3 credits |
| IARC605 | Design IIIB for I.A. | 3 credits |
| IARC607 | Technology I for I.A. | 3 credits |

SPRING SEMESTER – YEAR 2

| | | |
|------------|------------------------|-----------|
| (Required) | | |
| IARC606 | Design IV for I.A. | 6 credits |
| IARC608 | Technology II for I.A. | 3 credits |
| IARC610 | Materials and Textiles | 3 credits |

SUMMER – YEAR 2

| | | |
|------------|-------------------|-----------|
| (Required) | 7 Weeks Abroad | |
| IARC701 | Design V for I.A. | 3 credit |
| Elective | | 3 credits |

FALL SEMESTER – YEAR 3

| | | |
|------------|----------------------------------|-----------|
| (Required) | | |
| IARC703 | Visual Communication II for I.A. | 3 credits |
| IARC707 | Technology III for I.A. | 3 credits |
| IARC709 | Research and Programming | 3 credits |

SPRING SEMESTER – YEAR 3

| | | |
|------------|----------------------------------|-----------|
| (Required) | | |
| IARC708 | Professional Practice and Ethics | 3 credits |
| IARC710 | Capstone Project for I.A. | 6 credits |
| IARC791 | Internship for I.A. | 1 credits |

YEAR 2 + YEAR 3 SUBTOTAL 49 CREDITS

TOTAL CREDITS REQUIRED FOR GRADUATION 49-69 CREDITS

Master of Science in Midwifery

Executive Dean, College of Science, Health and the Liberal Arts:

Matt Dane Baker, PA-C. D.H.Sc.

Program Director: Katherine Dawley, CNM, Ph.D.

Campus Location: 222 Hayward Hall, The Midwifery Institute of Philadelphia University offers distance-learning programs with and without on-campus requirements.

Degree Programs

M.S. in Midwifery

M.S. in Midwifery Completion Program

Certificate Program

Post Master's Certificate in Nurse-Midwifery

Mission

The mission of the Midwifery Institute of Philadelphia University is to offer quality educational preparation of midwives who will advance the profession of midwifery for the betterment of the health of women and their families.

The Midwifery Institute of Philadelphia University believes:

- Midwifery care is the exemplary health care standard for all women.
- Midwifery education models midwifery practice.
- Distributive (distance) learning provides user friendly access to quality midwifery education.
- It is desirable to educate students who reflect the racial, ethnic and cultural diversity of the country.
- Learning is individualized through use of a wide variety of teaching/learning methodologies.
- Master's preparation for midwifery practice and research is optimum for the 21st century's increasingly complex health care environment.
- It is important for midwifery students and practicing midwives to pursue advanced education with a discipline specific focus in midwifery.

Program Learning Outcomes

After completion of the program, the graduates of the Midwifery Institute will:

- Provide consistent evidence based clinical midwifery care that integrates theory, clinical knowledge, clinical reasoning and an understanding of past and present professional issues to support safe beginning level midwifery practice according to the Core Competencies of the ACNM.
- Demonstrate provision of independent, consultative, and collaborative midwifery practice at the level of care appropriate to a women's clinical status.
- Demonstrate necessary research and critical thinking skills to engage in ongoing evidence based clinical practice.
- Describe diversity issues inherent in the lives of women they serve and the effects of these issues on women's health provision of health care.

- Demonstrate cultural humility and competence when caring for women.
- Be professionally responsible midwives and will practice according to the Code of Ethics and Standards of the ACNM.

Program Description

Philadelphia University provides an exciting way to earn the Master of Science in Midwifery through distributive, at home/anytime learning in the fundamentals of the art and science of midwifery, research, health policy and selected advanced clinical and professional competencies. This program, initiated in 1998, prepares individuals with a Bachelor's degree and individuals with a Bachelor's degree and an RN (Registered Nurse) credential in the practice of midwifery and qualifies them to sit the American Midwifery Certification Board's (AMCB's) national certification exam and upon successful completion use the title CM or CNM.

The Midwifery Institute of Philadelphia University offers a 6 semester, 2 year full or part time, graduate-level, distance-education program for midwifery. Students can be admitted with a class cohort in either the fall or spring semesters. For those who prefer not to attend full-time, this program can also be completed through part-time study over 3 years.

From the beginning, the Midwifery Institute's education program was designed for distance learning and values and builds upon the student's previous education and life experience. State-of-the-art communication technology, coupled with the professional expertise of an accomplished and caring faculty, maximizes the educational experience. The program model focuses on graduate-level skills of inquiry and critical thinking. Candidates for the program must hold a bachelor's degree from an accredited college or university.

The program integrates theory and practice into six semesters of asynchronous study, clinical experience and two week-long on-campus sessions. The theoretical components of midwifery are learned through readings, seminar room discussions, problem based learning, writings, quizzes and examinations. The practice components are learned through a clinical practicum, close to home, under the direction of a qualified midwife preceptor.

Our program is modeled on midwifery-practice principles. The role of the Midwife Tutor is unique at The Midwifery Institute of Philadelphia University and is the foundation of our model for midwifery education, which mimics the midwifery model of care for women. Midwife Tutors follow a class of 16-20 students through the program, modeling the midwifery value of continuity of care. They treat students with respect as individuals and provide a personalized approach that encompasses all aspects of the education process including advising, evaluation and supervision.

The Midwife Tutor's primary focus is the facilitation of learning through a process is similar to the midwife's role during labor. Both roles require the ability to challenge, assess, confront, encourage, provide feedback, assist, listen and problem solve. We find that this process meets the challenge of distance education and facilitates learning in an

environment where students and faculty share the responsibility for lifelong learning.

Electronic Seminar Rooms are full of thoughtful discussions about the art and science of midwifery practice, reflections on the role transition to midwife, midwifery research, education and health policy. Students interact asynchronously with each other and the faculty via computer and learning can happen day or night, seven days a week, when the student is ready to focus on school, and yet remain in the comfort of home.

As adult learners, students are able to reach their professional goals while building relationships within their online learning community. This national networking is an asset as our graduates enter the work world. We see the midwife within each of our students and Midwife Tutors and faculty are able to facilitate individual growth and development into the role of midwife, assuring the vitality and vision for the future of midwifery. We remain on the cutting edge of a changing world, by weaving tradition with technology.

The 21st-century midwife must be prepared for evidence-based practice, requiring increasingly sophisticated skills in the analysis of knowledge and practice of midwifery. Today's midwife supports practice with research and respects both the art and science of midwifery. Changes in the health-care environment require midwives to be well informed and to negotiate important changes to improve midwifery care and the health care of women and families. Frequently, midwives act as administrators, teachers and advanced clinical practitioners. This program also facilitates professional development in these areas through excellent teaching, innovative technologies and the Internet.

In preparation for meeting these professional challenges students engage in a comprehensive, 50-credit course sequence to prepare for clinical practice. They prepare for an expanded professional role through a 2 course sequence in research for midwifery, a health policy course, and an elective that can prepare them either for teaching, practice in a developing nation, or practice in an administrative role (12 credits). We are fortunate to have a diverse, experienced faculty in midwifery education, clinical practice, research, policy, education, and international midwifery practice. We believe in lifelong learning and continue to be partners in the growth and development of ourselves, our students and the profession of midwifery.

The M.S. in Midwifery Program prepares a graduate to be:

- A safe beginning practitioner of midwifery.
- A provider of primary health care for women across the lifespan as a member of an interdisciplinary health care team.
- An advocate for the betterment of women's health.
- A participant in lifelong learning.
- An active member in the profession of midwifery.
- A critical thinker with the skills to analyze and synthesize research into evidence-based practice.

- Politically aware, active in the profession of midwifery and knowledgeable about health policy in the United States.

Unique Program Requirements

Successful students of distance-learning programs are self-motivated and disciplined. Midwifery education at Philadelphia University requires extensive reading of primary-source materials in professional journals. Students are expected to demonstrate their ability to think and write critically. They use the written word to express themselves electronically in discussions in the virtual seminar room, in communicating through emails and in the preparation of learning activities.

All students must have access to a computer (either PC or Mac), a USB port headset, and an Internet Service Provider, with a DSL connection recommended. Web-cam transmission capability is also required. As technology is continually being updated, before purchasing a computer, please contact the Admissions Coordinator for up-to-date information on hardware and software required.

At the Midwifery Institute of Philadelphia University, instruction is provided through the use of course management software that delivers the curriculum and facilitates faculty/student discussion, communication, and electronic submission of assignments. Orientation to the software is provided prior to and during the on-line orientation to the program. Readings and frequent interaction with faculty and classmates complement electronic courses, which include problem-based learning. Experienced faculty members work closely with students and are accessible by e-mail or telephone. Students can access library resources online through the Paul J. Gutman Library website.

Our computer environment is intuitive and easy to use. However, students must have basic computer skills, including familiarity with Windows-based applications, word processing and Internet use. During orientation students learn how they will use the computer during their program of study and how they will communicate with both their faculty and classmates. Students new to computers are encouraged to enroll in a computer course prior to orientation.

Technical and Professional Standards

For admission to the program, candidates must:

- Be self-motivated learners, have good study habits, and be able to organize life commitments to set aside sufficient time for study and learning. We estimate this requires approximately 30-40 hours a week for full-time students, in an environment conducive to study;
- Possess the emotional maturity and stability to approach stressful clinical situations in a calm and rational manner;
- Have the ability to effectively communicate with women and families from a wide diversity of cultural and socioeconomic backgrounds in an empathetic and sensitive way;
- Have well-developed oral and written communication skills;

- Have the ability to make independent clinical decisions within the scope of midwifery practice and within the guidelines for relationships established with collaborating health care providers;
- Display strong ethical integrity consistent with academic expectations and the American College of Nurse-Midwives (ACNM) Code of Ethics;
- Have sufficient mental abilities and physical capabilities, including but not limited to the following areas of sensory function (vision, hearing, and touch sensation), eye hand co-ordination, neurologic and muscular coordination and control to competently perform physical assessments and the technical procedures necessary for midwifery practice.

Clinical Preceptorship

Clinical experiences initially consist of experiences in prenatal and well-woman care that are approximately two days per week. During the final two semesters the clinical experience includes all phases of labor, birth, postpartum, newborn and well-woman care and may be up to 40 hours per week. Only part-time employment should be considered while undertaking this full-time program.

Clinical Requirements

Students are required to meet and document the following practicum requirements during their clinical experience: 10 preconception care visits; 40 new antepartum visits; 130 return antepartum visits; 40 labor management experiences; 40 births; 20 postpartum visits (0-5 days); 40 newborn assessments; 10 breast-feeding support visits; 20 postpartum visits (4-8 weeks); 40 primary care visits; 30 family planning visits; 30 gynecologic care visits; 20 peri/postmenopausal visits. A Declaration of Safety, indicating a student has achieved a beginning level of competency necessary for entry into practice, must be signed by the clinical preceptor prior to program completion and in order to sit the national certification exam given by the American Midwifery Certification Board (AMCB).

Insurance Coverage

Students must show proof of coverage for malpractice liability prior to starting clinical rotations. This insurance is readily available to student midwives through the ACNM. Cost varies year to year and by location. Please ask for current costs during the admission process and know these may change by the time you purchase. Students are responsible for their own medical and dental care while enrolled in the program. Students may need to submit to, and be financially responsible for, any reasonable health screening that is required by a clinical agency beyond that required by the Midwifery Institute of Philadelphia University.

Accreditation and Certification

The Master's in Midwifery program is accredited by the Accreditation Commission for Midwifery Education (ACME). Their mailing address is: ACME, 8403 Colesville Road, Suite 1550, Silver Springs, MD 20910-6374, (240) 485-1800, www.acnm.org.

Upon successful completion of the program, graduates will receive an M.S. in Midwifery and will be eligible to take the national certification examination for midwives offered by the AMCB. Completion of the program prepares graduates to work in all practice settings.

Course of Study: Master's of Science in Midwifery

SEMESTER 1

On-Line Orientation To The Program

| | |
|---------------------------------------------------|---|
| Scheduled just prior to first term courses | 0 |
| CMW604 Advanced Reproductive Anatomy & Physiology | 2 |
| CMW605 Professional Issues | 2 |
| CMW606 Health & Lifestyles | 2 |
| CMM699 Advanced Physical Assessment | 3 |

SEMESTER 2

| | |
|------------------------------------------------------|-----|
| CMW607 Healthcare of Women I | 4 |
| CMW638 Advanced Pharmacological Basis for Practice I | 2.5 |
| MMW 712 Introduction to Health Policy | 3 |

On campus session to include the following:

| | |
|------------------------------------------------------|-----|
| Skills Workshops and Technical Competence Validation | |
| CMW602 Interviewing & Counseling | 0.5 |
| CMW613 Embryology & Genetics | 1 |

SEMESTER 3

| | |
|--------------------------------------------------|-----|
| CMW610 Antepartum Care | 4 |
| CMW612 Postpartum/Newborn Care | 2.5 |
| CMW631 Clinical I: Maternity & Well Woman Care 1 | 2 |

SEMESTER 4

| | |
|---------------------------------------------------|----|
| CMW611 Intrapartum Care | 4 |
| CMW 620 Healthcare of Women 2 | 2 |
| CMW639 Pharmacological Basis for Practice II | .5 |
| CMW632 Clinical II: Maternity & Well Woman Care 2 | 3 |
| MMW720 Critical Inquiry 1 | 3 |

On Campus Session To Include The Following:

SKILLS WORKSHOPS AND TECHNICAL COMPETENCE VALIDATION

| | |
|------------------------------------------------------|---|
| CMW630 Preparation for Full Scope Midwifery Practice | 2 |
|------------------------------------------------------|---|

SEMESTER 5

| | |
|--------------------------------------------------|---|
| MMW 721 Critical Inquiry 2 | 3 |
| CMW619 Perinatal Complications | 4 |
| CMW633 Clinical III: Full Scope Midwifery Care 1 | 4 |

SEMESTER 6

| | |
|-------------------------------------------------|---|
| CMW634 Clinical IV: Full Scope Midwifery Care 2 | 4 |
|-------------------------------------------------|---|

Elective (choose one):

| | |
|--------------------------------------------------------------------|--|
| MMW 722 Introduction to Administration in the Clinical Setting; or | |
| MMW 723 Advanced Clinical Practices; or | |
| MMW 724 Introduction to Teaching Methods; or | |
| MMW 725 Issues in Reproductive Health in Developing Nations | |

Optional

| | |
|---------------|---|
| MMW931 Thesis | 3 |
|---------------|---|

The thesis is optional. Students electing to complete a thesis will complete a research project based on the research question they developed in MMW 721, Critical Inquiry

II. The thesis option will be attractive to students interested in doctoral studies or additional research experience.

TOTAL PROGRAM CREDITS:

| | |
|------------------|----|
| Didactic credits | 48 |
| Clinical credits | 14 |

TOTAL CREDIT HOURS **62 (65 WITH THESIS)**

Admission to the M.S. in Midwifery Program

Academic Calendar

Classes are admitted twice a year in the fall and spring. See the Philadelphia University Midwifery Institute web site for application deadlines.

Requirements

Each applicant is evaluated individually. Candidates are expected to meet the following criteria for admission:

- Submit a professional resume.
- Be a registered nurse currently licensed in the state where employed if applying for the Certified-Nurse Midwife pathway.
- Hold a baccalaureate or higher degree in any discipline with a grade point average (GPA) of 3.0 or higher.
- Have an interview and a written promise of a clinical site with a midwifery preceptor.
- Own a computer and have Internet access.
- Submit two letters of reference.
- Submit official transcripts from all undergraduate and graduate courses/Institutions.
- Submit a brief essay, per guidelines, using a word-processing program.
- Submit a writing sample – a review of an evidenced based research article in a recent Journal of Midwifery and Women's Health or
- The Graduate Record Examination (GRE).
- Complete an interview (in-person/telephone) with a program faculty member.
- Submit evidence of or complete a three-credit undergraduate statistics course.

Transfer of Credits

Students seeking to transfer credit from another accredited nurse-midwifery program into the Master's in Midwifery course of study will have courses evaluated on an individual basis.

Other Program Options

Philadelphia University also offers an ACNM accredited Post-Master's Certificate Program in Nurse-Midwifery, a MS in Midwifery Completion program through the Midwifery Institute, and the Certified Midwife Pathway to the MS in Midwifery.

CM Pathway

The CM pathway to our existing midwifery education program is for individuals prepared at the bachelor's level who want

to become midwives. Graduates will be able to sit for the American Midwifery Certification Board (AMCB) exam to become certified midwives (CMs) after successful completion of our program.

The American Midwifery Commission for education has identified specific learning needs currently for individuals who may have limited or no experience as care providers within the health care system. Therefore students entering through the CM route will take, and must pass 3 courses (CMW 635, CMW 636, CMW 637) as prerequisites before they segue way into our existing full midwifery education program. Additionally, some applicants with a bachelor's degree but without a background in biology/health sciences will have to take additional courses to meet requirements.

To date, the CM credential is legally recognized to practice in the following states: New York, New Jersey, Delaware, and Rhode Island. Other states are currently considering licensure for the CM.

Post-Master's Certificate Program in Nurse-Midwifery

This program is available for those who currently hold a Master's degree in a clinical health care discipline and wish to practice midwifery. It consists of the fifty 600 level course credits in the MS in Midwifery course of study listed above. Depending on previous professional practice and education, the student may be eligible to enroll in an advanced placement option by challenging courses equivalent to those previously taken. This should be discussed with the coordinator for admissions. See Master's in Midwifery section for full details.

M.S. in Midwifery Completion Program

This program is designed for certified nurse-midwives/certified midwives whose basic midwifery education was at the certificate level who now wish to further their education in midwifery at the Master's level. Potential students must hold the CNM/CM credential or be enrolled in a current program accredited or pre-accredited by the ACNM's American Commission on Midwifery Education (ACME, previously the Division of Accreditation). The U.S. Department of Education recognizes the ACME as an accrediting agency. Questions regarding this affiliation or ACNM accreditation can be addressed to: American College of Nurse-Midwives, 8403 Colesville Road, Suite 1550, Silver Springs, MD 20910-6374, (240) 485-1800, www.acnm.org.

At Philadelphia University, we have planned the program to accommodate the work demands of midwives' clinical practice. The program involves extensive reading and participation in online discussions and learning activities. The richness and diversity of experience that each student brings to the discussions has been a source of inspiration for the faculty and students and adds greatly to the rigor of the program. A virtual orientation to the program is provided without requiring travel. This degree is designed for completion without relocating or incurring excessive expenses.

Structure of the Program

The MS in Midwifery Completion Program consists of 36 graduate credits. You will be awarded 24 credits for your American College of Nurse-Midwives (ACNM)-accredited certificate in nurse-midwifery/midwifery. The final 12 credits will be taken through Philadelphia University and will include three required courses and one elective. (See 700 level courses above.)

Admissions

The Admissions Committee uses a variety of criteria in making a decision relative to acceptance. To be eligible for admission to Philadelphia University, you must follow the admissions procedures described above and have the following credentials:

Academic Background

- A baccalaureate degree from an accredited institution with a minimum cumulative grade point average of 3.0.
- Educational preparation as a certified nurse-midwife/certified midwife with evidence of graduation from an ACME-accredited program with a minimum cumulative grade point average of 3.0. Student nurse-midwives/student midwives currently enrolled in an accredited ACME program may also enroll in the program, but will not receive the M.S. degree until their certificate program has been successfully completed.
- All applicants must have completed a three-credit undergraduate course in statistics prior to admission.

Personal Statement

Applicants write a short personal statement (criteria available online). This essay will be examined for written communication skills, motivation and time for graduate education.

Professional Resume

Applicants submit an updated resume, which highlights their background and experience.

Standardized Test Scores

The Graduate Record Examination (GRE) or Miller Analogies Test (MAT) is recommended but not required. The standardized test requirement is waived for those applicants who have completed a prior master's degree.

Two Letters of Reference (recent academic or professional)

These letters attest to the applicant's abilities, communication skills and motivation.

Phone Interview

Advanced Placement Options for Nurse Practitioners and Foreign Educated Midwives

The Advanced Placement Option (APO) is an individualized program of study for qualified candidates with previous professional preparation in advanced nursing practice or midwifery. APO students may challenge selected portions of the certificate midwifery program by demonstrating competency.

The purpose of the APO is to assure sound preparation in midwifery, while minimizing repetition of learning activities for knowledge and skills already attained. Part-time study or accelerated options may be planned according to class schedules, availability and learner preferences.

Eligibility Criteria for the Advanced Placement Option

- Applicants must meet all of The Midwifery Institute of Philadelphia's admissions requirements.
- Documentation of successful completion of a nurse-practitioner or midwifery program, in an institution accredited by the recognized regulatory body for the jurisdiction where the institution is located. NP programs must meet the USA federal accreditation standards. Midwifery education programs located outside of the USA must have a review by a USA credentials evaluation service.
- No history of any professional credential revocation.
- A TOEFEL score of 500 or greater, if English is not the applicant's first language.
- A minimum of two (2) years experience in advanced clinical practice as a nurse-practitioner or midwife within the previous ten (10) years, or graduation from a nurse-practitioner or midwifery education program within the previous three (3) years.
For Foreign Educated Midwives (FEMS), work experience as an RN in the USA for at least one (1) year in the preceding five (5) years on a labor/delivery unit.

Master of Science in Occupational Therapy

Executive Dean, College of Science, Health and the Liberal Arts: Matt Dane Baker, PA-C, D.H.Sc.

Program Director: Wendy Krupnick, Ph.D., M.B.A., B.S., OTR/L

Campus Location: Main Campus; classes held eight week-ends during each semester: Between class sessions, students complete assignments and participate in on-line learning activities.

Students will be admitted into this program for entrance in the fall semester only.

Degree Program

M.S. in Occupational Therapy

Combined Degrees

B.S. in Health Sciences/M.S. in Occupational Therapy*

B.S. in Psychology/M.S. in Occupational Therapy*

* See Undergraduate Academic Programs section of the Academic Catalog for curriculum details.

Mission

The Occupational Therapy (OT) Program's mission is to develop competent, reflective and ethical occupational therapists who possess a commitment to professionalism and lifelong learning. In keeping with the University mission to prepare graduates for successful careers in an evolving and interconnected world, the OT Program incorporates interdisciplinary learning and collaboration to enable graduates to practice in diverse environments and changing service-delivery contexts. The curriculum is organized around three themes that reflect the program's philosophy: Enabling Participation through being client-centered and grounded in the person-environment-occupation fit; Applying Evidence and Clinical Reasoning to enhance practice; and Fostering Collaboration and Innovation in order to contribute to our clients' well-being and quality of life.

Program Learning Outcomes

The Philadelphia University entry-level master's degree in occupational therapy curriculum is designed to prepare competent, reflective and ethical occupational therapists whose practice philosophy is both client-centered and occupation-based, and who possess a commitment to professionalism and lifelong learning.

Graduates from the Occupational Therapy program will demonstrate the ability to:

- Provide occupation-based and client-centered care by demonstrating competence in OT practice skills, assessment and interventions that optimize quality of life and supports full participation
- Establish effective and therapeutic relationships with clients, their caregivers and families

- Demonstrate respect for people's beliefs around health, illness and disability
- Apply core theory, knowledge, skills, and critical thinking to inform practice
- Locate, evaluate and apply research findings to promote best practice in occupational therapy
- Work collaboratively with clients, caregivers and members of the professional team to implement programs and services that facilitate occupational performance
- Advocate for individuals and groups who can benefit from occupational therapy services by communicating effectively with relevant stakeholders

Program Description

Individuals whose lives are affected by illness, injury, or developmental delay can attain their fullest measure of independence and life satisfaction through expert intervention by an occupational therapist. By helping people to build skills and enhancing how they interact in their environments, occupational therapists help people to function and live life to its fullest.

The entry-level master's degree program is offered in a weekend-format, that features in-class and on-line instructional methodologies to help students to become competent entry-level therapists. Coursework builds on the strengths of the University in the areas of design and health sciences, to provide students with unique perspectives on the delivery of occupational therapy services.

The M.S. in Occupational Therapy prepares professionals to be skilled in the principles of environmental assessment and analysis as they apply to human occupation and adaptation. The program is grounded in client-centered values and evidence-based practice approaches. The curriculum stresses the acquisition of an in-depth understanding of health care issues; professional advocacy; cultural perspectives; environmental demands; physical, developmental and psychosocial functions; and occupation-based interventions. Key learning activities and course assignments require student collaboration with design, architecture and fashion students, as well as practicing health care professionals and community agencies.

One of the unique aspects of the master's program is the student's two-year involvement with a client living in the community. Each semester students complete course assignments with their clients to better understand the client's experience and occupational adaptation issues. Students incorporate this information into the master's portfolio project where they reflect on and chronicle their learning and accomplishments from classroom, fieldwork, and portfolio client experiences. The Master's Portfolio project culminates in a capstone presentation to practicing occupational therapists and representatives of other communities of interest.

Consider some of the following features of the graduate program:

- First 22 months of program are conducted in weekend format on campus; program may be completed within 3 academic years, including Level II Fieldwork.

- Students complete multiple Level I Fieldwork experiences in a range of practice settings.
- Students are engaged in on-line clinical reasoning courses during Level II Fieldwork.
- Students can choose to participate in the voluntary mentorship program where they are linked, through the Internet, with practicing occupational therapists who serve as their professional mentors throughout the program.
- The program focuses on educating practitioners to use evidence to support practice decisions, to work independently and creatively; and to nurture a commitment to lifelong professional development.
- The program is designed for adult learners who are self-directed and good time managers.
- Students are exposed to job opportunities in a wide variety of settings: hospitals, long-term care facilities, psychiatric facilities, hand clinics, rehabilitation centers, pediatric hospitals, schools, home care agencies and other community-based settings.

The Occupational Therapy Program curriculum is based on a frame of reference that is humanistic and holistic in nature, and which emphasizes optimal functioning throughout the life span. The program is designed to prepare strong entry-level practitioners who employ an evidence-based practice approach with the capacity for creative analysis and sound critical thinking.

Unique Program Requirements

Successful students in this type of learning program are self-motivated and disciplined. The program will involve extensive reading and off-campus learning activities. Students must enjoy learning through a visual medium. In addition, students must have an ability to express themselves well in written format and a desire to increase their abilities to think and write critically.

All students must have daily access to a computer and the internet. It is highly recommended that students also have access to a web-cam and headset with microphone.

Prerequisite Course Requirements

(COMPLETED WITHIN LAST TEN YEARS)

| Courses | Credits |
|----------------------------------------------------------|-------------------|
| Anatomy and Physiology I (with Laboratory) | 4 |
| Anatomy and Physiology II (with Laboratory) | 4 |
| Science (Physics recommended) | 4 |
| Developmental Psychology or equivalent (Lifespan) | 3 |
| Abnormal Psychology or equivalent | 3 |
| Statistics | 3 |
| Sociology/Anthropology/Cultural Studies I or equivalent | 3 |
| Sociology/Anthropology/Cultural Studies II or equivalent | 3 |
| Other | |
| Basic word-processing and presentation skills | |
| TOTAL CREDIT HOURS | 27 CREDITS |

Core Curriculum

The coursework is sequenced in a planned progression in order to build upon and develop knowledge and skills at increasing levels of complexity, competence and integration. Upon the completion of the second year, students must participate in two full-time, Level II Field work affiliations.

| | | |
|---------|-----------------------------------------------------|-----|
| OCC610 | Portfolio Seminar | 1 |
| OCC611 | Foundations for Practice | 3 |
| OCC613 | Functional Anatomy | 4 |
| OCC 615 | Assistive Device Design | 1 |
| OCC621 | Occupational Competence | 3 |
| OCC 623 | Applied Neuroanatomy | 4 |
| OCC 624 | Dimensions of Human | 3 |
| OCC625 | Clinical Skills A | 1 |
| OCC 626 | Evidence-Based Practice | 3 |
| OCC631 | Conceptual Assumptions for OT Practice | 3 |
| OCC 635 | Clinical Skills B | 1 |
| OCC 645 | Clinical Skills C | 1 |
| OCC735 | Level I Fieldwork A | 1 |
| OCC 736 | Assessment & Intervention: Adults | 4 |
| OCC 741 | Interpersonal Relations & Dynamics of Collaboration | 3 |
| OCC745 | Level I Fieldwork B | 1 |
| | | 3 |
| OCC746 | Psychosocial Interventions | 4 |
| OCC 751 | Professional Issues and Trends | 3 |
| OCC 754 | Environmental Dimensions of Occupation | 3 |
| OCC 755 | Level I Fieldwork C | 1 |
| OCC 756 | Assessment and Intervention: Children & Youth | 4 |
| OCC 757 | Innovative Practice in OT | 3 |
| OCC 760 | Practice Platform | 1 |
| OCC 763 | Clinical Mastery | 2 |
| OCC 764 | Spec Practice: Upper Extremity Rehabilitation | 2 |
| OCC 765 | Level I Fieldwork D | 1 |
| OCC766 | Older Adults: Enabling Participation | 2 |
| OCC771 | Level II Fieldwork | 3 |
| OCC775 | Clinical Reasoning I | 1.5 |
| OCC781 | Level II Fieldwork B | 3 |
| OCC785 | Clinical Reasoning II | 1.5 |

TOTAL CREDIT HOURS

72 CREDITS

Note: All occupational therapy students must complete Level II Fieldwork within 15 months beyond the date of completion of the final didactic semester.

Admissions Criteria

Any individual who has or is about to receive a bachelor's degree from an accredited college or university is eligible to apply. The Graduate Program in Occupational Therapy leading to the Master of Science is designed to accommodate students from all undergraduate disciplines. Students in the Occupational Therapy Program will be selected on a competitive basis from candidates submitting complete applications with all required supporting materials.

Academic Background

A bachelor's degree from an accredited institution with a minimum cumulative grade point average (GPA) of 3.0, and completion of all prerequisite foundation coursework with a minimum average 3.0 GPA is required. Candidates may apply for consideration prior to completion of all prerequisite

requirements as long as a reasonable plan for completion of required coursework prior to entrance into the program is delineated. All prerequisite foundation courses must be completed prior to matriculation in the program.

Two Letters of Reference

(one academic and one professional)

These letters should examine the applicant's abilities, communication skills, motivation, interpersonal skills and emotional responsibility.

Personal Essay

Students should write and submit a career goals essay with their application materials (approximately 500 words). The essay will be examined for written communication skills, knowledge of the occupational therapy field, and motivation for the profession.

Standardized Test Score

Students will need to submit results of either the Graduate Record Examination (GRE) or Miller Analogies Test (MAT) with their application. Candidates' application packets will be reviewed after the GRE or MAT scores are received by the university.

Professional Resume

Students must submit a resume that highlights their background and experience. Faculty believe that enrollment of students with varied cultural, geographic, academic, and employment backgrounds enriches the learning experience and helps sensitize Occupational Therapy Program students to the unique characteristics of the diverse patient populations they will work with as health care providers.

Clinical Observation Hours

Students should submit documentation of 20 hours of clinical observation under the supervision of an occupational therapist before beginning the professional program. Applicants are encouraged to complete clinical observation hours as early as possible.

Acceptance Classifications

Students may be admitted to this program under one of the following acceptance classifications:

Full Acceptance

Students who have met all admissions requirements with satisfactory performance as judged by the OT Program's Admission Committee are granted full acceptance. Full acceptance is granted only when the student's file is complete, and all the program-specific requirements for entry have been met. A complete file includes official copies of standardized test scores, official copies of academic transcripts, two recommendations, a completed application, a personal essay and a resume.

Conditional Acceptance

Students may be offered a conditional acceptance classification when a student's file is missing evidence that he/she has successfully completed all prerequisite coursework. Prior to admission under this category, students must show evidence of registration for all outstanding prerequisite

courses. Students will not be allowed to take any courses in the program prior to completion of all prerequisite coursework. Upon successful completion of all prerequisite course requirements, students must apply to the Office of Graduate Admissions for a change in admission status.

All students must be fully accepted into the Occupational Therapy Program before they can enroll in any Occupational Therapy courses.

Accepted Student Requirements

Students in the Occupational Therapy Program are expected to fulfill the following requirements during their student experience at Philadelphia University.

1. Obtain materials and/or complete documentation required for Fieldwork:
 - a. Health Clearance (by August, New Student Orientation)
 - b. Annual physical examination (use PhilaU Student Health Medical Record Form)
 - i. Annual update of immunizations according to fieldwork site requirements
 - ii. Annual proof of active health insurance coverage
 - c. Legal Clearance
 - d. Annual criminal background check (www.CertifiedBackground.com)
 - i. Annual child abuse history clearance
 - ii. Requirements unique to specific fieldwork sites. Many settings require students to be fingerprinted, undergo a drug screening, and/or gain clearance from the PA Sex Offender Registry. Students are responsible for the costs of these processes, as well as for transportation arrangements and costs associated with fieldwork experiences. Information regarding how to meet these requirements is provided by the program.
 - e. CPR certification (required prior to Level II Fieldwork)
 - f. Maintain professional organization memberships (highly recommended):
 - i. Philadelphia University Student Occupational Therapy Association (SOTA)
 - ii. American Occupational Therapy Association (AOTA)
 - iii. Pennsylvania Occupational Therapy Association (POTA) (or other state OT association)

Certification/ Licensure Requirements To Practice Occupational Therapy

To practice as an occupational therapist, students must satisfy all the requirements for the MS in Occupational Therapy degree, including maintaining a 3.0 GPA, satisfactory completion of fieldwork, and complete the following:

1. Apply for Philadelphia University graduation through the Registrar's Office
2. Apply for and pass the *NBCOT national certification exam as a prerequisite for state licensing
3. Complete the PA (or other state) *licensing application

*A felony conviction may affect a student's ability to be placed at a fieldwork setting, sit for the certification exam or to attain state licensure.

Accreditation and Certification

The Occupational Therapy Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220. ACOTE's phone number is 301.652. 2682. Graduates of the program are eligible to sit for the national certification examination administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). In addition, most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. It should be noted that a felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure.

Occupational Therapy Program Academic Standards

The Occupational Therapy Program admission criteria are designed to select candidates who are most likely to succeed both in the University academic environment as well as in OT professional practice. While the Program faculty is dedicated to assisting students in their professional education, the student also has responsibilities. Students enrolled in the program must demonstrate achievement in academic and clinical competencies necessary for professional practice, and meet academic standards consistent with graduate school criteria. Students must also demonstrate effective professional behavior as detailed in the *Standards of Professional Behavior* (see *OT Student Handbook*). In order to remain in good academic standing, students must meet the following standards. These academic standards are in addition to the university academic standards as described in the Graduate Catalog and on the Philadelphia University web site.

Retention and Progression

1. Grade Point Average
 - a. A minimum overall 3.0 grade point average (GPA) in Occupational Therapy coursework must be maintained each semester. A semester GPA below 3.0 will result in probation for the following semester.
 - b. If the semester GPA is below 3.0 for two consecutive semesters, the student will be dismissed from the full-time program.
 - c. A student must attain a minimum overall 3.0 GPA prior to enrolling in Level II fieldwork courses.
2. Competency Grading
 - a. Each student is expected to pass every competency on the first attempt with a minimum passing grade of 80%. If unsuccessful, the student will be allowed one retake of the competency; the highest grade that can be earned will be 80%.
 - b. Students must earn a competency grade average of 80% or higher within each course. Students who are unable to earn the minimum 80% average must enter into a remediation program defined by the course faculty.
 - c. Each student is expected to demonstrate proficiency in all safety items in order to successfully pass the competency.
3. Fieldwork
 - a. Students must receive satisfactory reports and evaluations from all fieldwork educators to receive fieldwork credit ("CR").
 - b. If a grade of "NC" (no credit) is obtained in a fieldwork, the student must develop a written plan of self-correction prior to being placed in another fieldwork. A fieldwork may be repeated only once, and the student must achieve a "CR" (credit) grade on the second attempt. If a student receives a grade of "NC" in two fieldwork courses, the student will be dismissed from the program. The decision to permit a student to repeat fieldwork is dependent on fieldwork educator verbal or written reports about student behavior with respect to adherence to site regulations, site schedule, ethical standards of

- d. A student must achieve a minimum overall 3.0 GPA to be eligible to graduate.
- e. A student may not receive more than two grades below B- while in the OT Program.
- f. A grade below "C" (2.0) is considered failing. While the grade of "C" is regarded as a minimum passing grade, it is considered unsatisfactory performance. Students who earn a "C" grade in a core course must decelerate, and repeat the course before proceeding in the full time program (see Deceleration below). Students who are unable to earn a minimum "B" (3.0) in a repeat course will be dismissed from the program. A course can be repeated only once, and the student must achieve a "B" (3.0) grade on the second attempt.
- g. If a grade of "F" is obtained in a non-fieldwork course, the student will be dismissed from the program.
- h. If there is more than 12 months of inactivity in coursework, or there are more than 12 months since completion of the last Level II fieldwork, students will be required to repeat all of the assessment and intervention courses, or demonstrate academic and clinical competency in each of these courses, via examination, to be eligible to graduate.

conduct, or engagement in behavior that puts patient/ client safety at risk.

- c. Students receiving a “NC” grade, including “W” (withdrawal”) in fieldwork will be placed on probation. The student must re-register and repeat the fieldwork in order to progress in the program. Repetition of a fieldwork could delay graduation. Withdrawal for medical or personal reasons, and approved by program faculty, will not result in probation.
- d. A student must earn a grade of “CR” in all fieldwork in order to graduate.

Probation, Suspension and Dismissal

1. Probation – students whose academic records include one or more of the following will be placed on academic probation:
 - a. A student who has a cumulative grade point average below 3.0. for one semester.
 - b. A student who receives a grade of “C+” or “C” in any course will be placed on probation for the next semester. Probation for two consecutive semesters will result in dismissal. Probation for any three semesters will result in dismissal.
 - c. A student who receives verbal or written reports from fieldwork educators indicating non-adherence to site regulations, site schedule, ethical standards of conduct, or engagement in behavior that puts patient/ client safety at risk.
 - d. A student who violates the OT Program’s *Standards of Professional Behavior* or *AOTA Code of Ethics*.
2. Deceleration
 - a. Deceleration means that the student may not progress in the full time program. Students decelerate when they receive a “C” (2.0) in core courses (Functional Anatomy, Applied Neuroanatomy, Clinical Skills A, B, & C, Evidence-Based Practice Assessment & Intervention courses (Adult, Children & Youth, and Psychosocial Interventions) or their equivalent. Students must repeat courses and earn a minimum “B” (3.0) in order to proceed in the program. Students can decelerate once.
 - b. Since the program is a lock-step curriculum, courses that were not successfully completed cannot be repeated until the following year. A second deceleration results in dismissal.
 - c. Repeated violations of the OT Program’s *Standards of Professional Behavior* or *AOTA Code of Ethics* are also grounds for suspension.
3. Dismissal – students whose academic records include one or more of the following will be dismissed:
 - a. Student fails to meet minimum academic standards listed above.
 - b. Student receives a grade of “F” in a non-fieldwork course.

- c. Student fails or receives “NC” in two fieldwork courses.
- d. Student decelerates once and receives a “C” in a subsequent semester.
- e. Student placed on probation for two consecutive semesters or any three semesters.
- f. Student repeats a course and does not earn a minimum “B” (3.0) grade.
- g. Student displays egregious conduct that violates professional and/or legal standards, and/or University regulations regarding academic and professional conduct.

Students who are dismissed from the OT Program for academic conduct or any other reason are not typically readmitted. In special circumstances, dismissed students may be considered for re-entry. A student who is academically dismissed from the OT Program may apply for readmission only after a period of at least one year. To be considered for re-entry students must have developed and implemented an action plan that would facilitate successful academic performance. Refer to the re-entry policy in the OT Program Student Handbook for further information.

- h. Students who withdraw from the OT Program may have their records reviewed for possible readmission by program faculty. Readmission will be determined by the faculty based on this review and any additional criteria required at the discretion of the faculty. Refer to the University catalog for further information regarding procedures.

Level II Fieldwork

1. Certification for Level II Fieldwork – students must have demonstrated: 1) the ability to meet the academic and program standards outlined in the *OT Student Handbook*, and 2) effective interpersonal communication, professional behavior, and judgment necessary for the field setting to be recommended by the faculty for fieldwork.
2. By the terms of the University’s contractual agreement with fieldwork sites, only students who have satisfactorily completed the requisite professional courses and demonstrate safety and proficiency in all competencies will be placed in fieldwork.
3. Faculty will formally review all students’ progress at the end of the spring semester of the second year of professional coursework (or equivalent) to ensure that students are demonstrating mastery of material and are ready for Level II fieldwork. This appraisal includes a review of students’ grades, clinical skills, and professional behavior. Faculty retains the final decision to approve students for fieldwork placements.
4. Students who frequently display unprofessional behavior and/or judgment, or who are unable to address professional behavior concerns that have been identified by faculty, will be required to appear before a sub-group of the OT Program faculty that includes at a minimum

the fieldwork coordinator, program director, and faculty advisor. This faculty group may impose sanctions which can include probation, suspension or dismissal from the program, and/or delay the student from engaging in the fieldwork portion of the curriculum.

5. Students must successfully complete Level II fieldwork within 15 months beyond the date of completion of the final didactic semester or repeat selected course(s), and/or demonstrate academic and clinical competency in selected course(s) prior to beginning fieldwork experiences. In instances where there is more than 12 months of inactivity, faculty may require students to engage in competencies and/or other learning activities to assure fieldwork readiness.
6. Failure to complete a fieldwork or having to be removed from a placement may result in a student's dismissal from the program. Students who need to repeat more than one Level II fieldwork due to unsatisfactory performance will be dismissed from the program.

Master of Science in Physician Assistant Studies

Executive Dean, College of Science, Health and the Liberal

Arts: Matt Dane Baker, PA-C, D.H.Sc.

Program Director: Lawrence Carey, PharmD

Campus Location: Main Campus, Hayward Hall, Suite 224

Full-time, day program. Students admitted for entrance annually in July only.

Degree Program

M.S. in Physician Assistant Studies

Combined Degree

B.S. in Health Sciences/M.S. in Physician Assistant Studies*

MBA/M.S. in Physician Assistant Studies

Options

- Five-Year Freshman Admission B.S./M.S.
- Three-Year M.S./MBA

* See *Undergraduate Academic Programs in the Academic Catalog* for curriculum information.

Mission

To provide students with the foundation of knowledge, technical skills and critical thinking necessary to competently perform the functions of the physician assistant profession in an ethical, empathetic manner working with a licensed practicing physician. A secondary focus is to prepare students to provide comprehensive medical services to diverse under-served patient populations in inner-city and rural locations.

Program Learning Outcomes

Graduates of the Physicians Assistance Program will:

- Identify, perform, and document correct components of medical histories, and correctly perform appropriate procedures in a variety of clinical environments.
- Practice medicine in an ethical, empathetic, and humanistic manner.
- Collaborate with other health care providers to ensure the optimal provision of care to patients.
- Differentiate and perform appropriate physical examination techniques, define and assess monitoring parameters, and delineate treatment plans for their patients.
- Demonstrate proficiency in medical writing and the ability to research a clinically-related question or topic.
- Successfully pass the Physician Assistant National Certifying Examination (PANCE).

The Profession

A physician assistant, or PA, is a qualified medical professional who practices medicine with the supervision of a licensed physician. PAs provide a wide variety of medical services traditionally performed by physicians. The concept for the profession originated in the early to mid-1960s as a way to enhance the provision of medical care to people residing

in medically underserved areas. The care of the underserved remains an ongoing goal of the profession.

Physician assistants work in all 50 states, Guam and the District of Columbia in a range of medical settings including physicians' offices, hospitals, clinics, emergency departments, military and Veterans Administration installations, nursing homes, industrial health centers and correctional institutions. They always work in conjunction with a physician and can have an array of responsibilities including medical history taking, physical examination, ordering or performing lab and other diagnostic tests, synthesizing data to make a proper diagnosis, developing a treatment plan, monitoring patient progress, providing health-related counseling and performing various procedures such as casting and suturing and assisting in surgery. PAs can prescribe medications in all states.

Program Description

The Philadelphia University Physician Assistant Studies program is part of the College of Science, Health and the Liberal Arts. It is a comprehensive academic experience that stresses the practical application of current medical theory. All of the program faculty are actively practicing health care providers with a great depth of knowledge and experience. Students are exposed to the clinical environment throughout their education with patient contact even during the classroom or didactic portion of the program.

The Physician Assistant Studies program is fully accredited by the Accreditation Review Commission on Education for the Physician Assistant, Inc. (ARC-PA). This program is available full-time, day only. The clinical or practical portion will involve some night and weekend hours.

PA Program Technical and Professional Standards

For admission to the program, candidates must:

- Have the academic ability to learn a large volume of technically detailed information and be able to synthesize and use this data to solve complex clinical problems. This information must be acquired in a short and intense period of study that requires well-developed study skills and a high level of motivation and may require considerable personal and financial sacrifice;
- Possess the emotional maturity and stability to approach highly stressful human situations in a calm and rational manner;
- Have the ability to effectively communicate with ill patients from a wide diversity of cultural and socioeconomic backgrounds in an empathetic and sensitive fashion;
- Have well-developed oral and written communication skills;
- Have comfort with the role of a dependent practitioner operating under the supervision of a licensed physician, while simultaneously feeling comfortable with the large amount of responsibility that goes along with the delivery of patient care in sometimes remote locations;
- Display strong ethical integrity consistent with working as a healthcare professional;
- Have sufficient physical abilities in the areas of sensory function (vision, hearing, and touch sensation), hand-eye

coordination, and neurologic and muscular coordination and control to competently perform the technical activities that are a critical part of the program and profession, including:

- Physical examinations, which include visual inspection, listening to heart and lung sounds with a stethoscope, examination by touch to gather information such as skin temperature and texture and other maneuvers;
- Performance and interpretation of diagnostic studies such as blood tests, EKGs and X-rays;
- Surgical assisting, which can involve activities such as control of bleeding and suturing (wound closure by placing stitches); and
- Performing common procedures such as applying casts, suturing, cardiopulmonary resuscitation (CPR), venipuncture (placing needle into a vein to collect a blood sample) and starting an intravenous access line.

Curriculum

The program is 25 months of continuous study and includes the didactic level consisting of three semesters of classroom and laboratory work in basic and applied medical science, and the clinical level consisting of six rotations and four preceptorships at a variety of clinical sites such as hospitals and medical offices. The first semester of the didactic level begins in late July each year. Students must complete all didactic-level courses before they can enter the clinical level.

Overview of Clinical Training

Upon successful completion of the didactic-level courses, the PA student proceeds into the clinical-education level of the program. The PA student will spend approximately 12 months in clinical rotations and preceptorships. This is divided into 10 five or six-week blocks.

Clinical Rotations

The required clinical rotations are five or six 10-week blocks in the areas of internal medicine, pediatrics, surgery, psychiatry/mental health, women's health and emergency medicine and are designed to expose the PA student to patient care in a variety of settings. The student is directly involved with the evaluation and management of patients to the extent that the clinical preceptor or supervisor is comfortable with the level of knowledge and skills of the PA student.

Preceptorships

These clinical education experiences are designed to enhance the PA student's knowledge, technical skills, clinical judgment and confidence in the evaluation and management of common medical problems. One of these must be completed as a 10 to 12-week (two five or 10-week blocks) experience in an ambulatory, primary-care setting such as an outpatient family practice office or center.

The remaining preceptorship experiences include the Floating Medicine Block in a medically related specialty such as family, internal or geriatric medicine, and the clinical elective. During the elective, students can spend more time in one of their rotation specialties or gain experience in other settings such as neonatology, HIV, correctional medicine, urology, orthopedic surgery, cardiothoracic surgery and others.

Program Specific Costs

The typical student in the Physician Assistant Studies program will spend approximately \$3,000 on medical equipment, a personal digital assistant (PDA), books, malpractice liability insurance and other program-related fees for both professional phase years combined. This does not include tuition, housing, food, living expenses, travel costs, health center fees and graduation fees. All of these costs are listed elsewhere in the catalog.

Students must have access to a personal computer. Students will be given an Internet account from the University and access to the University academic computing labs.

Prerequisite Course Requirements

| COURSES | CREDITS |
|------------------------------------------------------|----------------|
| Science | |
| Chemistry I | 4 |
| Chemistry II or Organic Chemistry | 4 |
| Biology I | 4 |
| Biology II or Genetics | 4 |
| Anatomy and Physiology I or Anatomy | 4 |
| Anatomy and Physiology II or Physiology | 4 |
| Microbiology | 3 or 4 |
| Psychology | |
| Introduction to Psychology | 3 |
| Writing | |
| English Composition | 3 |
| Mathematics | |
| One college-level math or statistics course | 3 |
| Other | |
| Three-month patient care or human service experience | |
| Medical Terminology | 1 |

Note: Additional psychology and chemistry courses, and a genetics course are strongly advised and highly desirable.

Due to changes in science and the importance of science prerequisites as a basis for the study of PA curriculum, all science courses should be no more than seven years old. A waiver of this limit can be given to individuals who have worked in a scientific field on a regular basis, or who have completed several current higher-level science courses. Candidates must write a letter to the PA Program Admissions Committee requesting this waiver of the seven-year limit.

Core Curriculum**YEAR ONE****SUMMER SEMESTER**

| | | |
|-----------|---------------------------|---|
| PASF507GR | Advanced Anatomy (Part A) | 2 |
|-----------|---------------------------|---|

FALL SEMESTER

| | | |
|-----------|----------------------------------------|---|
| PASF507GR | Advanced Anatomy (Part B) | 3 |
| PASF513GR | Medical Physiology and Pathophysiology | 3 |
| PASF511GR | Applied Behavioral Science | 3 |
| PASF517GR | Medical History and Physical Diagnosis | 5 |
| PASF510GR | Medical and Professional Ethics | 2 |

PASF521GR Medical Genetics, Immunology and Microbiology 2

CREDIT HOURS 20 (INCLUDES ANATOMY PARTS A AND B)

SPRING SEMESTER

| | | |
|--------|---------------------------------------|---|
| PAS611 | Clinical Medicine | 8 |
| PAS612 | Clinical Reasoning | 2 |
| PAS613 | Pharmacology and Pharmacotherapeutics | 4 |
| PAS614 | Emergency Medicine | 3 |
| PAS615 | Laboratory Medicine | 2 |

CREDIT HOURS 19

SUMMER 1 SEMESTER

| | | |
|--------|-------------------------------------------------------------|---|
| PAS621 | Clinical Disciplines Overview (Surgery, Pediatrics, OB/GYN) | 6 |
| PAS622 | Pharmacotherapeutics Seminar | 1 |
| PAS623 | Advanced Radiology/ECG Seminar | 1 |
| PAS624 | Biomedical Literature and Research | 3 |

SUMMER 2 SEMESTER

| | |
|---------------------|---|
| 1 Clinical Rotation | 6 |
|---------------------|---|

CREDIT HOURS 17

YEAR TWO**FALL, SPRING, SUMMER 1, AND SUMMER 2 SEMESTERS**

| | |
|--------------------------------------------------------------------------------------------------------------------------------|----|
| 5 Clinical Rotations (6 credits each) | 30 |
| Primary Care Preceptorships IA and IB | 12 |
| Preceptorship IIA and IIB: Floating Medicine Block and Elective | 12 |
| PAS771 Master's Comprehensive Experience**; includes primers in Medical Spanish and Public Health prior to starting rotations) | 3 |

CREDIT HOURS 57

Clinical Rotations

| | |
|--------|------------------------------------|
| PAS741 | Internal Medicine Rotation |
| PAS742 | Pediatrics Rotation |
| PAS743 | Women's Health Rotation |
| PAS744 | Psychiatry/ Mental Health Rotation |
| PAS745 | Surgery Rotation |
| PAS746 | Emergency Medicine Rotation |

Clinical Preceptorships

| | |
|--------|--------------------------------------------|
| PAS759 | Preceptorship IA: Primary Care 1 |
| PAS760 | Preceptorship IB: Primary Care 2 |
| PAS763 | Preceptorship IIA: Floating Medicine Block |
| PAS764 | Preceptorship IIB: Elective |

TOTAL CREDIT HOURS 113 CREDITS

** Taken over entire clinical year

Application Procedure

Philadelphia University is participating in the Centralized Application Service for Physician Assistants (CASPA). To apply for admission into the M.S. in Physician Assistant Studies program at Philadelphia University, please visit the CASPA web site at www.caspaonline.org. Application for admission will only be accepted through the CASPA service.

You must request that official copies of your transcripts be sent directly to CASPA by the institution(s) attended. Student copies of transcripts or copies sent to CASPA directly by the

applicant are not acceptable. Letters of reference should also be sent directly to CASPA from the person making the reference. Your GRE scores, however, should be sent directly to Philadelphia University Office of Graduate Admissions by Educational Testing Services. Philadelphia University's reporting code is #2666.

Once admitted the student must provide Philadelphia University with an original transcript of their bachelor's degree education. This is necessary to grant the MS degree, as the CASPA service maintains the original transcripts.

Admission Requirements

The Accreditation Review Commission on Education for the Physician Assistant—Accreditation Standards for Physician Assistant Education: "The role of the physician assistant demands intelligence, sound judgment, intellectual honesty, appropriate interpersonal skills, and the capacity to react to emergencies in a calm and reasoned manner. An attitude of respect for self and others, adherence to the concepts of privilege and confidentiality in communicating with patients, and a commitment to the patient's welfare are essential attributes of the graduate PA."

Admission to the Physician Assistant Studies program is competitive. Applicants are selected based on a committee's assessment of their ability to successfully complete the training and competently function in the role of the profession as defined by the ARC-PA as printed in the Accreditation Standards for Physician Assistant Education, the State of Pennsylvania as published in the Medical Practice Act and the program. Candidates must have the physical, emotional, and intellectual attributes necessary for success in this type of training.

Selection Criteria

Students in the PA program will be selected from candidates submitting complete applications with all required supporting material to the Central Application Service of Physician Assistants (CASPA) at www.caspaonline.org. The Physician Assistant Admissions Committee uses a variety of criteria to make admission decisions.

These can include:

- Academic experience including: a) previous college curriculum difficulty, institution, cumulative grades, science course grades and graduate study; b) college entrance exam scores such as GRE or MAT; and c) academic patterns such as most recent academic performance, credit load, withdrawals and incomplete courses. Since the graduate school requires the maintenance of a 3.00 GPA, applicants with a combined (all college grades) GPA or science-only GPA below 3.00 rarely gain admission into the program;
- Health care or human service experience with consideration to type and duration. This can include both paid and volunteer experience;
- A personal essay that examines written communication skills, knowledge of the PA profession and motivation for the profession;
- Three letters of reference on prescribed forms that examine the applicant's abilities, communication skills, motivation, interpersonal skills and emotional maturity from those familiar with your professional or academic abilities, such as a professor or supervisor;
- The amount of prerequisite coursework the applicant has left to complete, along with the applicant's plan for completion. Students who have not completed all prerequisites prior to application can be admitted on a "conditional basis";
- Personal interview. The most qualified applicants from the general applicant pool may be invited to come to the University for a personal interview. This interview attempts to ascertain an applicant's knowledge of the profession, motivation for pursuing a PA career, interpersonal and oral communication skills, compassion, problem-solving abilities, preparation for the educational experience and dedication to providing care to the underserved;
- Diversity. The PA program believes that enrollment of students with a wide diversity of cultural, geographic, academic and occupational backgrounds enriches the learning experience and helps in sensitizing PA students to unique characteristics of diverse patient populations with whom they will work as health care providers.

Master of Science in Sustainable Design

Executive Dean, College of Architecture and the Built Environment:

Louis Padulo, Ph.D. (Interim)

Program Director: Rob Fleming, AIA, MARCH, LEED AP

Web Site: www.PhilaU.edu/green

Degree Program

M.S. in Sustainable Design

Options

- 2-year Part-Time Program
- 12 Month Accelerated Full Time Program
- 18 Month Hybrid Program
- 2 Year Full Time Program

Certificate

Sustainable Practices

Mission

Building on the University's mission to provide professional skills combined with a broad general education, the Sustainable Design program seeks to prepare students for the built environment industry by teaching specific skill sets necessary to conceptualize, measure and construct a sustainable environment. This is balanced by broader, theoretical avenues of study, which place the technical knowledge gained in the program into context. The program culminates with a two semester Thesis Project that is meant to provide a component of depth in a specific built environment discipline or a particular sub-set of sustainability.

The MS in Sustainable Design is a post baccalaureate master's degree program that serves students from a wide array of disciplines that range from architecture to engineering to design to construction. The faculty members of the program are drawn from similar disciplines to underscore the transdisciplinary nature of the program. The emphasis of the program is on the sustainable built environment with students exploring different avenues of study including design, entrepreneurship and policy development. This approach is supported by a curriculum that comprises four "platform" courses, followed by a collaborative studio, and culminating in the Thesis Project. Electives are used to provide opportunities to explore related topics involving sustainability, or for a short study abroad experience. The total credit requirement for the degree is 33-36 credits and features multiple pathways for completion including part time, full time and on-line study. The program features a unique set of faculty that reflects a balance between those actively pursuing the practice of sustainable design and those who are exploring the more theoretical aspects of the discourse.

Program Learning Outcomes

Graduates of the MS in Sustainable Design will:

- Apply the core skill sets necessary to accomplish an effective sustainable design project as a response to environmental, social and economic forces
- Provide leadership, team building and organizational skills for diverse groups through the integrated process
- Work effectively within groups of varied disciplines
- Synthesize theories of sustainability into comprehensive research and design projects
- Develop diversity initiatives that are integral to sustainability problem solving process as a reflection of an emerging global marketplace
- Apply ethical values to the integrated design process and to the selection of systems and materials for a built project
- Embrace the realities of prevalent societal structures of society as a base to build a new enterprises focused on the optimization of environment, equity and economic goals

Curriculum Design

The Curriculum of the MSSD Program features three teaching/learning strategies:

Lectures build overall knowledge base about sustainability, while providing detailed information on materials, construction systems, life-cycle analysis and green-building documentation metrics such as the Leadership in Energy and Environmental Design (LEED) rating system.

Labs will develop an "informed intuition" about the relationship between the natural and built environments as a means to think and design in a standard design and construction projects.

Studios will synthesize the knowledge base and informed intuition into larger, more complex projects that draw upon creativity, ingenuity and innovation as key approaches to problem solving and design conceptualization. Studio-based learning incorporates one-on-one communication with faculty, group projects with other students from diverse disciplines, and a student driven final Thesis Project that allows each student to conduct a specialized research or design project

Degree Options

The MSSD Program offers students four ways to complete their degree: 2-year part-time program; a 12 month accelerated full time program; an 18-month hybrid program; and a 2-year full time research oriented program.

2-Year Part-Time Option

This part-time program is ideal for the working professional who is seeking to gain specific expertise in sustainable design and who wants to add credentials in this rapidly growing field. This program typically entails 2 nights per week of classes totaling 6 credits. Classes begin in late afternoon or evening with 3:30 PM as the earliest start time. It is recommended that students inform their employers of their academic schedule in order to maintain a balance between the demands of course work and office responsibilities. Students may elect to take one course per semester.

12 Month Accelerated Full Time Program

This accelerated full time degree program allows students to focus on green building design in an intensive educational experience. Due to the course sequencing requirements to achieve this degree in 12 months, only those with degrees and some experience in the design of the built environment will be admitted to this program. This program is not for those students wishing to work while attending school.

18 Month Hybrid Program

This hybrid on-campus/on-line program is ideal for students wanting to shorten their time away from home by completing 12 credits on-line prior to coming to campus. This program also relieves some of the pressure that is associated with the 12 month accelerated program because some of the credits will be already completed prior to coming to campus. The program starts in the spring and summer semesters with on-line courses followed by 12 months on-campus.

2 Year Full Time Program

This full time program allows students to spend the time needed to delve deeply into the more detailed aspects of sustainable design, engineering and architecture. Students in this track will be encouraged to plug into ongoing research projects at the Engineering and Design Institute as well as other grant funded projects at the University. This track is most suitable to those students who are accepted as graduate research assistants or for international students seeking educational opportunities in this country.

2-Year Part-Time Program

(33 graduate credits)

YEAR I

FALL SEMESTER

| | | |
|---------|----------------------------------|---|
| SDN 601 | Sustainable Design Methodologies | 3 |
| SDN 603 | Sustainable Systems | 3 |

SPRING SEMESTER

| | | |
|---------|-----------------|---|
| SDN 602 | Adaptive Design | 3 |
| SDN 604 | Green Materials | 3 |

SUMMER SEMESTER

| | | |
|----------|----------|---|
| SDN ____ | Elective | 3 |
|----------|----------|---|

YEAR II

FALL SEMESTER

| | | |
|---------|---------------------------|---|
| SDN 611 | Sustainable Design Studio | 6 |
|---------|---------------------------|---|

SPRING SEMESTER

| | | |
|----------|--------------------------------|---|
| SDN 900 | Thesis in Sustainable Design I | 3 |
| SDN ____ | Elective | 3 |

SUMMER SEMESTER

| | | |
|---------|---------------------------------|---|
| SDN 901 | Thesis in Sustainable Design II | 6 |
|---------|---------------------------------|---|

TOTAL CREDIT HOURS 33 CREDITS

12 Month Accelerated Full-Time Program

(33 graduate credits)

YEAR I

FALL SEMESTER

| | | |
|---------|----------------------------------|---|
| SDN 601 | Sustainable Design Methodologies | 3 |
| SDN 602 | Adaptive Design | 3 |
| SDN 603 | Sustainable Systems | 3 |
| SDN 604 | Green Materials | 3 |

SPRING SEMESTER

| | | |
|----------|--------------------------------|---|
| SDN 611 | Sustainable Design Studio | 6 |
| SDN ____ | Elective | 3 |
| SDN 900 | Thesis in Sustainable Design I | 3 |

SUMMER SEMESTER

| | | |
|----------|---------------------------------|---|
| SDN ____ | Elective | 3 |
| SDN 901 | Thesis in Sustainable Design II | 6 |

TOTAL CREDIT HOURS 33 CREDITS

18 month-Hybrid Program

(33 graduate credits)

YEAR I

SPRING SEMESTER

| | | |
|---------|----------------------------------|---|
| SDN 601 | Sustainable Design Methodologies | 3 |
| SDN 604 | Green Materials | 3 |

SUMMER SEMESTER

| | | |
|---------|---------------------|---|
| SDN 603 | Sustainable Systems | 3 |
| SDN 6__ | Elective | 3 |

YEAR II

FALL SEMESTER

| | | |
|---------|---------------------------|---|
| SDN 602 | Adaptive Design | 3 |
| SDN 611 | Sustainable Design Studio | 6 |

SPRING SEMESTER

| | | |
|----------|--------------------------------|---|
| SDN 900 | Thesis in Sustainable Design I | 3 |
| SDN ____ | Elective | 3 |

SUMMER SEMESTER

| | | |
|---------|---------------------------------|---|
| SDN 901 | Thesis in Sustainable Design II | 6 |
|---------|---------------------------------|---|

TOTAL CREDIT HOURS 33 CREDITS

2-Year Full Time Program

(36 graduate credits)

YEAR I

FALL SEMESTER

| | | |
|---------|----------------------------------|---|
| SDN 601 | Sustainable Design Methodologies | 3 |
| SDN 602 | Adaptive Design | 3 |
| SDN 603 | Sustainable Systems | 3 |

SPRING SEMESTER

| | | |
|----------|---------------------------|---|
| SDN ____ | Elective | 3 |
| SDN 611 | Sustainable Design Studio | 6 |

YEAR II

FALL SEMESTER

| | | |
|---------|---------------------------------------|---|
| SDN 900 | Thesis in Sustainable Design Studio I | 3 |
| SDN 604 | Green Materials | 3 |

| | | |
|-------|----------|---|
| SDN__ | Elective | 3 |
|-------|----------|---|

SPRING SEMESTER

| | | |
|---------|---------------------------------|---|
| SDN 901 | Thesis in Sustainable Design II | 6 |
|---------|---------------------------------|---|

| | | |
|-------|----------|---|
| SDN__ | Elective | 3 |
|-------|----------|---|

| | | |
|---------------------------|--|-------------------|
| TOTAL CREDIT HOURS | | 36 CREDITS |
|---------------------------|--|-------------------|

Graduate Certificate in Sustainable Practices

(36 graduate credits)

The on-line Graduate Certificate in Sustainable Practices Program is geared towards working professionals seeking to build their knowledge base and credentials in the field of sustainable design, engineering and construction of the built environment. The program offers a wide array of critical skills including the LEED® rating system, building information modeling, the basics of energy modeling and life cycle assessment. Credits earned in the Certificate program are transferable into the MS in Sustainable Design program. Students must apply for, and be accepted into the MS Program. For additional information, please refer to the University web site.

YEAR I**SPRING SEMESTER**

| | | |
|---------|----------------------------------|---|
| SDN 601 | Sustainable Design Methodologies | 3 |
|---------|----------------------------------|---|

| | | |
|---------|-----------------|---|
| SDN 604 | Green Materials | 3 |
|---------|-----------------|---|

SUMMER SEMESTER

| | | |
|---------|---------------------|---|
| SDN 603 | Sustainable Systems | 3 |
|---------|---------------------|---|

| | | |
|-------|----------|---|
| SDN__ | Elective | 3 |
|-------|----------|---|

| | | |
|---------------------------|--|-------------------|
| TOTAL CREDIT HOURS | | 12 CREDITS |
|---------------------------|--|-------------------|

Master of Science in Taxation

Executive Dean, College of Design, Engineering and Commerce: Ron Kander, Ph.D.

Academic Dean, School of Business Administration: Susan Lehrman, Ph.D.

College of Design, Engineering and Commerce Director of Graduate Studies: Adriene Hobday

Campus Location: Main Campus

Degree Program

M.S. in Taxation

Combined Degree

B.S./M.S. in Taxation*

*See *Undergraduate Academic Programs* section of the *Academic Catalog* for details.

The M.S. in Taxation is geared to practicing accountants in the fields of public, corporate and governmental accounting, and lawyers, financial managers and planners who need extensive information and formal study in taxation. The program is practitioner-focused and is strongly linked to business practice. Outstanding faculty brings the highest level of expertise into the classroom.

Students select from an innovative and state-of-the-art curriculum. Computer applications are integrated in the total curriculum where appropriate. All courses are taught based on the most up-to-date tax laws, and the implications of proposed changes in tax legislation will be discussed.

Students may take courses toward the degree or as Continuing Professional Education (CPE) credits to meet bi-annual state CPE requirements to maintain their C.P.A. license or to enhance their expertise in a specific topic.

Learning Outcomes

Graduates of the M.S. in Taxation will:

- Demonstrate professional communication and negotiation skills.
- Integrate, analyze and apply business research.
- Identify and evaluate major global, management and ethical issues.
- Comprehend and apply quantitative and financial methods to business problems.
- Investigate, deconstruct and propose strategic solutions to firms' decision-making process.

The distinguished faculty includes partners and managers from national, regional and local C.P.A. firms and governmental entities; noted tax attorneys; and specialists in many tax areas such as real estate, financial planning, state and local taxation, and estate and gift taxation.

Course Requirements

The basic course content of all core and elective courses presumes students' undergraduate degrees include the following foundation courses:

| Foundation Courses | |
|--------------------|------------------------------------------------------|
| MBF503 | Foundations of Economic Analysis |
| MBF504 | Introduction to Financial and Managerial Accounting |
| MBF511 | Decision Making in the Legal Environment of Business |
| <hr/> | |
| Core Courses | 18 Credits |
| TAX660 | Individual Taxation |
| TAX662 | Corporation Taxation |
| TAX664 | Tax Research |
| TAX765 | Taxation of Flow-Through Entities |
| TAX793 | State and Local Taxation |
| TAX795 | Estate and Gift Taxation |
| <hr/> | |
| Electives | 12 Credits |

A minimum of four elective courses in taxation.

TOTAL CREDIT HOURS 30 CREDITS

Waiver of Foundation Courses

Students with satisfactory equivalent undergraduate or graduate records may have some or all of these foundation courses waived. To be exempt from the foundation courses, the following criteria must be met:

- Grades of "C" or better in undergraduate equivalents. Students may not waive more than five courses in which they have received grades of "C." Waived courses are to be determined by the C-DEC Director of Graduate Studies.
- Seven-year time limit between date of matriculation into the M.S. in Taxation program and time when undergraduate course was taken.
- Undergraduate equivalents must be from an accredited university or college.

Upon successful completion (or waiver) of the foundation courses, students enroll in the core courses of the M.S. in Taxation program. The foundation courses must be completed or waived before enrolling in core courses.

M.B.A./M.S. in Taxation

The M.B.A./M.S. in Taxation allows students to combine two innovative graduate business programs. Students gain a strong foundation of business knowledge and can pursue a special interest in taxation and accounting.

Foundation Courses
(May be waived based on prior academic record)

| | |
|--------|------------------------------------------------------|
| MBF503 | Foundations of Economic Analysis |
| MBF504 | Introduction to Financial and Managerial Accounting |
| MBF505 | Financial Management |
| MBF506 | Marketing Foundations |
| MBF508 | Statistical Analysis for Business Decisions |
| MBF509 | Management Concepts |
| MBF510 | Operations Management |
| MBF511 | Decision Making in the Legal Environment of Business |

| Core Courses | | 42 Credits |
|---------------------------|----------------------------------------------|-------------------|
| MBA625 | Management Communications and Negotiation | |
| MBA626 | Global Managing in the 21st Century | |
| MBA627 | Management of Information Through Technology | |
| MBA628 | Accounting for Management Decisions | |
| MBA629 | Financial Policy and Planning | |
| MBA630 | Quantitative Methods in Decisions | |
| MBA632 | Strategic Marketing Management | |
| MBA642 | Strategic Planning in a Global Environment | |
| TAX660 | Individual Taxation | |
| TAX662 | Corporation Taxation | |
| TAX664 | Tax Research | |
| TAX765 | Taxation of Flow-Through Entities | |
| TAX793 | State and Local Taxation | |
| TAX795 | Estate and Gift Taxation | |
| <hr/> | | |
| Taxation Electives | | 12 Credits |
| <hr/> | | |
| Graduate Taxation courses | | |
| TOTAL CREDIT HOURS | | 54 CREDITS |

Master of Science Programs in Textiles

Executive Dean, College of Design, Engineering and Commerce: Ron Kander, Ph.D.

Academic Dean, School of Design and Engineering: Michael Leonard (Interim)

College of Design, Engineering and Commerce Director of Graduate Studies: Adriene Hobday

Degree Programs

M.S. in Textile Design

M.S. in Textile Engineering

Combined Degrees

B.S./M.S. in Textile Design*

* See undergraduate catalog for curriculum details.

The M.S. in Textiles programs are intended to develop the student's analytical, creative and problem-solving skills appropriate to a professional person seeking a senior position in the textile or related industries.

Through common core courses, the M.S. in Textiles programs bring together graduate students with differing professional goals and interests within the textile field.

In the planning of the programs, careful attention has been given to ensure that: (1) there is balance between theory and practice; (2) the student is able to develop research skills and capabilities; and (3) the student has a culminating capstone experience during the final semester, through the completion of a technical research project, a scholarly thesis, a marketing project or a design collection.

The course credits are spread over three stages. In the case of full-time students, this would equate to three to four semesters, assuming that no foundation courses are required. The availability and rotation of courses at each stage of the program for part-time students is monitored to ensure that students follow the courses in the correct sequence.

The curriculum includes foundation courses and core courses, as well as elective courses. The elective courses are chosen in consultation with the student's academic advisor.

Foundation Course Requirements

The foundation course requirements will vary according to the applicant's completed undergraduate major, as well as the selected textile specialization.

Applicants will be advised on an individual basis by the graduate program director concerning prerequisites and the required foundation courses or equivalent undergraduate courses which need to be taken, or possible exemptions where appropriate.

Master of Science in Textile Design

Executive Dean, College of Design, Engineering and Commerce: Ron Kander, Ph.D.

Academic Dean, School of Design and Engineering: Michael Leonard (Interim)

College of Design, Engineering and Commerce Director of Graduate Studies: Adriene Hobday

Program Director: Claire Beevers

Campus Location: Main Campus

Degree Program

M.S. in Textile Design

Mission

The Master of Science in Textile Design provides both integration and balance between creative design and technology, to prepare students for successful careers within the US textile design industry. The program opens up the opportunity for successful and creative professional development for students who hold previous studio arts degrees, plus those coming from alternative backgrounds.

The program structure has a unique balance of a strong technology base across all aspects of textiles, upon which students build their design skills in a single concentration of knit, weave or print. Collaborative experiences with other majors, plus a range of additional projects assigned by industry professionals and companies, serve to expand the students' experiences.

Program Learning Goals

Through the course of the program, students will:

- Develop an appreciation of the multi-faceted nature of textile design and the technical knowledge, skills, design and development processes and business structures required for a professional career in textiles.
- Practice sustained visual research through original visual observation and trend information.
- Apply visual research and technical skills into a collection of knitted, woven or printed textiles.
- Produce a final body of textile design work, a fabric collection for exhibition and portfolio, exhibiting individual concept, and development.
- Produce an account of their final semester collection in thesis format for inclusion in the Gutman library collection.

Foundation Courses Specific to the M.S. in Textile Design

The following foundation or equivalent undergraduate courses may need to be completed. The specific foundation course requirements for each student will be based upon consultation with the area concentration advisor. Contact the School of Design and Engineering for further information.

ARTH102 History of Western Art II or
CHEM101 General Chemistry

| | |
|---------|-----------------------------------------------|
| DRAW101 | Drawing I |
| TXF501 | Foundation Fiber and Yarn Studies |
| TXF503 | History of Textiles and Costumes |
| TXF506 | Design Foundations II |
| TXF507 | Design Foundations III |
| TXF510 | Introduction to Textile Computer-Aided Design |
| TXF511 | Knitting I |
| TXF516 | Dyeing and Finishing |
| TXF517 | Weaving I |

Depending upon concentration:

| | |
|--------|---------------------------------------------------------------|
| TXF512 | Knit Design Studio I and TXF513 Knit Design Studio II or |
| TXF514 | Print Design Studio I and TXF515 Print Design Studio II or |
| TXF518 | Weave Design Studio I and TXF519 Weave Design Studio II |

* The foundation requirement in Textile Design Studio may be waived via portfolio review only.

Core Courses 36 Credits

| | |
|------------------------------|--------------------------------------------|
| TXD615 | Design Studio IA (three credits)* |
| TXD616/ TXD617 | Design Studio IB & IC (six credits total)* |
| TXD625 | Seminar (credit/no credit) |
| TXD 665 | Design Management |
| TXD742/ TXD743/ TXD744 | Design Studio II (nine credits total)* |
| TXD749 | Weaving Technology or |
| TXD750 | Knitting Technology or |
| TXD776 | Textile Printing Technology |
| TXD772/ TXD773/ TXD774 | Design Studio III (eight credits total)* |
| TXD777 | Advanced Computer-Aided Design |
| TXD975 | Thesis (one credit) |

* Design Studio 26 credits

The Design Studio courses make up the majority of the coursework in the M.S. in Textile Design program. Students are required to specialize in one design area (knit, weave or print), but are encouraged to incorporate the other areas of textile design through their foundation courses, elective or design studio work. The 26 credits of Design Studio are split into three stages that may be spread over three semesters. However, the student may elect or be advised to take only three or six credits of Studio in any semester depending on individual progress, development and available time commitment. All students involved in Textile Design Studio courses will participate in common presentation/critique sessions toward the end of the semester.

Students may elect to replace up to six credits of Design Studio with graduate-level electives. The selection of these electives should be approved by the primary design faculty member and the program director.

Electives 3 Credits

Choose one course from the following or other courses approved by the program director.

| | |
|---------|--------------------------------------------|
| TXD756 | Advanced Jacquard |
| TXD791 | Internship |
| TXD 797 | Advanced Drawing: materials and Techniques |

| | |
|--------|------------------------------------------------------|
| TXD798 | Independent Study |
| TXD993 | European Textile Print Study Tour (Alternate Years) |
| TXD994 | European Knitting Study Tour |
| TXE751 | Advanced Woven Structures - Product Development |
| TXE752 | Advanced Knitted Structures - Product Development |

TOTAL CREDIT HOURS

39 CREDITS

Additional Requirements for Textile Design Applicants

Applicants are required to provide the Admissions Committee a typed personal statement (250-500 words) discussing (1) the applicant's reasons to pursue a graduate degree in textile design and (2) why the applicant believes he/she be successful with this course of study.

Master of Science in Textile Engineering

Executive Dean, College of Design, Engineering and Commerce: Ron Kander, Ph.D.

Academic Dean, School of Design and Engineering: Michael Leonard (Interim)

College of Design, Engineering and Commerce Director of Graduate Studies: Adriene Hobday

Director, Engineering Programs: Muthu Govindaraj, Ph.D.

Program Director: Brian George, Ph.D.

Campus Location: Main Campus

Degree Program

M.S. in Textile Engineering

Mission

This program is intended to develop the graduate student's knowledge in the advanced fields of textile science and engineering. Students with undergraduate education in the fields of textile engineering, textile chemistry and textile sciences, and those with undergraduate experience in engineering or materials technology are welcome to pursue this program. The wide range of textile engineering courses will prepare the student to make significant contributions in either advanced textile manufacturing technology or textiles material science. The carefully integrated educational offerings at the University enable the student to be exposed to a wide range of professional education possibilities. A capstone experience is provided during the final semester.

Program Learning Outcomes

Graduates of the M.S. in Textile Engineering will:

- Demonstrate knowledge & proficiency in technical aspects of textile engineering
- Analyze and criticize established textile theories and synthesize new theories
- Understand and evaluate engineering theory
- Apply their acquired skills toward the development of a unique research project
- Demonstrate a competent knowledge and proficiency in the field of textile engineering
- Perform written and oral technical communications at a competent level.

Foundation Courses

The foundation courses, required by a student, will be determined at the time of admission by the program director.

COURSES 27 Credits

Students choose nine courses from the selection below, after consultation with their graduate advisor.

| | |
|--------|---------------------------------------|
| TXE601 | Fiber and Yarn Studies |
| TXE613 | Characterization of Fibrous Materials |
| TXE621 | Mechanics of Materials |
| TXE622 | Mechanics of Textiles |
| TXE624 | Advanced Textile Composites |

| | |
|--------|-------------------------------------------|
| TXE625 | Biomaterials Technology |
| TXE713 | Coloration and Finishing Studies |
| TXE721 | Analytical Methods |
| TXE751 | Advanced Woven Structures |
| TXE752 | Advanced Knitted Structures |
| TXE753 | Advanced Nonwoven Structures |
| TXE754 | Industrial and Specialty Fabrics |
| TXE755 | Advanced Yarn Studies |
| TXE759 | Product Evaluation |
| TXE762 | Textile and Apparel Operations Management |
| TXE783 | Advanced Chemistry of Fibrous Materials |
| TXE790 | Quality Management |
| TXE791 | Internship |
| TXE797 | Selected Topics |
| TXE798 | Independent Study |

Thesis 9 Credits

TXE941 Research Thesis

TOTAL CREDIT HOURS

36 CREDITS

Doctor of Philosophy in Textile Engineering and Science

Executive Dean, College of Design, Engineering and Commerce: Ron Kander, Ph.D.

Academic Dean, School of Design and Engineering: Michael Leonard (Interim)

Director, Engineering Programs: Muthu Govindaraj, Ph.D.

Program Director: Brian George, Ph.D.

Campus Location: Main Campus

Degree Program

Ph.D. in Textile Engineering and Science

Mission

The mission of the Textile Engineering and Science Doctor of Philosophy program is to educate textile engineers who combine theory, practice, scholarly research and application of knowledge in their chosen professions. It is expected that graduates of the doctoral program will pursue careers in basic and applied research in industry, government or university settings. Graduates will contribute original research and scholarly publications in the fiber and textile fields.

Program Learning Outcomes

Graduates of the Ph.D. in Textile Engineering will:

- Demonstrate knowledge of and proficiency in applying research methodology to textile engineering
- Demonstrate knowledge and proficiency in technical aspects of textile engineering
- Analyze and critique established textile and engineering theories and synthesize new theories based on research
- Apply their acquired skills toward the development of a unique research project
- Perform written and oral technical communications at a competent level.

Program Description

The doctoral program in Textile Engineering and Science emphasizes not only depth in fundamental textile engineering and science/mechanical engineering disciplines, but also an interdisciplinary approach to understanding technologies in which textile engineers and scientists can and should take a leading role. It is this combined emphasis on fundamentals, the ability to think and work outside one's area of expertise and the ability to frame complex problems that best defines this doctoral program. Students will propose a textile engineering and science problem of substance and will then develop a solution. Students must demonstrate the ability to apply scientific principles to meet engineering needs with due regard to social and economic factors and within a reasonable time constraint.

Program Structure

Doctoral candidates will have as their primary goal the completion of an original engineering/scientific contribution to the body of knowledge in the field of textiles. This

contribution will be in the form of a written doctoral dissertation that will be defended in the presence of the faculty of Philadelphia University.

During the first year of the program, students will complete required coursework, including a nine-credit-hour (three courses) engineering minor. In a collaborative agreement with nearby Temple University, these graduate-level courses will be taken at the College of Engineering at Temple. The student's doctoral committee may require additional courses to enhance the student's research.

All courses will be taken in the first year of the doctoral program. Students will then be required to pass a two-part qualifying examination in the field of textile engineering. The first part is a written examination, and the second part is an oral examination. A major and a minor topic will be chosen by the candidate and the doctoral committee and agreed upon at least four months in advance of the examination. Dates for the written and oral exams will be selected by mutual agreement of the candidate and the committee members.

All members of the committee should be present for the oral examination. The written examination may be administered by the committee chair with input from other committee members. The result of the two-part qualifying examination will be a pass or a fail. Both the written and oral examinations should be completed by the end of the second semester of study. Upon the successful completion of the examination, students will be formally admitted to doctoral candidacy. This will usually occur after the first year of full-time enrollment.

Students who fail the qualifying examination on the first attempt will be given one more chance, at the discretion of the committee, to improve their performance. In any case, the qualifying examination must be completed before the end of the second year of the student's doctoral program.

The candidate will then make a formal Ph.D. thesis proposal defense. Once approved by the doctoral committee, students will conduct their doctoral research and subsequent dissertation. At the completion of a written dissertation, the candidate will give a formal and public thesis defense. Upon a successful defense the student's candidacy will be completed, and upon the recommendation of the faculty of the Philadelphia University the candidate will be awarded the Ph.D. in the field of Textile Engineering and Science.

Degree Requirements

| FIRST YEAR | | 18 CREDITS |
|----------------------------------------------------------|-------------------------------------|-------------------|
| Selection of doctoral advisor | | |
| Completion of doctoral committee selection | | |
| Three engineering courses at Temple University | | 9 |
| TES901 | Preliminary Examination Preparation | 3 |
| TES902 | Thesis I | 6 |
| Successful completion of doctoral qualifying examination | | |
| SECOND YEAR | | 18 CREDITS |
| Doctoral thesis proposal defense | | |
| TES903 | Dissertation Research I | 9 |

| | | |
|-------------------------------------|--------------------------|-------------------|
| TES904 | Dissertation Research II | 3 |
| TES906 | Thesis II | 6 |
| Defense of Doctoral Dissertation | | |
| Credit for previous master's degree | 36 credits (minimum) | |
| TOTAL CREDIT HOURS | | 72 CREDITS |

While it is the intention to have students study full-time, there will be a provision for students to take a leave based on personal reasons. In all cases, students will have a maximum period of five years from the date of initial enrollment to complete all doctoral degree requirements. The minimum time requirement to complete the doctoral program is two years. The minimum full-time enrollment in residence is two semesters.

Admission to the Ph.D. Program

The Ph.D. program in Textile Engineering and Science is primarily an advanced research-oriented program that will be offered to selected graduates of M.S. Textile Engineering programs. Students from M.S. Textile Engineering programs that are offered internationally also will be considered for admission. Candidates with advanced engineering degrees in fields other than textiles, e.g., mechanical, chemical or materials, may be considered for admission if they agree to take master's-level textile engineering courses at Philadelphia University. The credits they receive for these additional courses will not take the place of the required nine credits of minor courses in engineering, and they will serve as foundation-level courses.

Standardized Test Requirements

Applicants to the Ph.D. program who have master's degrees in textile engineering (or other acceptable fields as noted above) from a university in the United States are not required to submit GRE or TOEFL scores for admission. For all other students (international students and those who do not have an acceptable master's qualification) the requirements for the admission to the M.S. in Textile Engineering program will apply.

Graduate Research Assistantships

All students admitted to the Ph.D. program in Textile Engineering and Science will be offered research assistantships funded through external grants and contracts. The selection of students is based on the suitability of students' backgrounds and their interests in fields that match those of the funding professor.

For application and assistantship availability, please contact the Graduate Admissions Office.

Combined Graduate Degrees

M.B.A./M.S. in Physician Assistant Studies

Executive Dean, College of Design, Engineering and Commerce: Ron Kander, Ph.D.

Executive Dean, College of Science, Health and the Liberal Arts: Matt Dane Baker, PA-C, D.H.Sc.

Academic Dean, School of Business Administration: Susan Lehrman, Ph.D.

College of Design, Engineering and Commerce Director of Graduate Studies: Adriene Hobday

Program Director, Physician Assistant Studies: Larry Carey

This program combines the one-year day M.B.A. program from the School of Business Administration with the two-year M.S. in Physician Assistant Studies from the College of Science, Health and the Liberal Arts. Students graduating from this rigorous three-year program would be awarded a:

- Master of Business Administration
- Master of Science in Physician Assistant Studies
- Certificate of Completion in Physician Assistant Studies

Graduates will be eligible to sit for the Physician Assistant National Certification Examination (PANCE), and as a PA-C, M.B.A., M.S. will be highly employable in a variety of diverse settings. The curriculum is tied together in the last semester with a joint clinical/administrative preceptorship in a health care setting, and with a master's project that focuses on a current health care administrative or economic issue. The program focuses on a current health care leadership and recruits leaders from industry to act as mentors for the students. An outline of the structure is listed below:

PROGRAM SUMMARY

Application Year

| | |
|-----------------------------------|--------------------------------------------------------------------------------------|
| By September 15 | Application CASPA (Centralized Application Service for Physician Assistant) and GMAT |
| By November 15 Spring & Summer | Admission Interview M.B.A. Foundation Courses as needed |
| Year 1 | M.B.A. Curriculum |
| Year 2 | PA Curriculum |
| Year 3 | PA Curriculum |

M.B.A./M.S. in Taxation

Executive Dean, College of Design, Engineering and Commerce: Ron Kander, Ph.D.

Academic Dean, School of Business Administration: Susan Lehrman, Ph.D.

College of Design, Engineering and Commerce Director of Graduate Studies: Adriene Hobday

The M.B.A./M.S. in Taxation allows students to combine two innovative graduate business programs. Students gain a strong foundation of business knowledge and can pursue a special interest in taxation and accounting.

Foundation Courses

(May be waived based on prior academic record)

| | |
|--------|------------------------------------------------------|
| MBF501 | Introduction to Computer Skills (one credit) |
| MBF503 | Foundations of Economic Analysis |
| MBF504 | Introduction to Financial and Managerial Accounting |
| MBF505 | Financial Management |
| MBF506 | Marketing Foundations |
| MBF508 | Statistical Analysis for Business Decisions |
| MBF509 | Management Concepts |
| MBF510 | Operations Management |
| MBF511 | Decision Making in the Legal Environment of Business |

Core Courses

42 Credits

| | |
|--------|----------------------------------------------|
| MBA625 | Management Communications and Negotiation |
| MBA626 | Global Managing in the 21st Century |
| MBA627 | Management of Information Through Technology |
| MBA628 | Accounting for Management Decisions |
| MBA629 | Financial Policy and Planning |
| MBA630 | Quantitative Methods in Decisions |
| MBA632 | Strategic Marketing Management |
| MBA642 | Strategic Planning in a Global Environment |
| TAX660 | Individual Taxation |
| TAX662 | Corporation Taxation |
| TAX664 | Tax Research |
| TAX765 | Taxation of Flow-Through Entities |
| TAX793 | State and Local Taxation |
| TAX795 | Estate and Gift Taxation |

TAXATION ELECTIVES

12 CREDITS

GRADUATE TAXATION COURSES

TOTAL CREDIT HOURS

54 CREDITS