



Council of Trustees
West Chester University
West Chester, Pennsylvania 19383-1000

**Council of Trustees
Resolution 2005-06**

www.wcupa.edu

Proposed

RESOLUTION
COUNCIL OF TRUSTEES
WEST CHESTER UNIVERSITY OF PENNSYLVANIA

MARCH 24, 2005

FIVE-YEAR CAPITAL BUDGET REQUEST

BE IT RESOLVED THAT THE COUNCIL OF TRUSTEES OF WEST CHESTER UNIVERSITY HEREBY APPROVES THE FIVE-YEAR CAPITAL BUDGET REQUEST PREPARED BY THE UNIVERSITY FOR SUBMISSION TO THE PENNSYLVANIA STATE SYSTEM OF HIGHER EDUCATION ON APRIL 1, 2005.

APPROVED PENDING ACTION BY THE COUNCIL OF TRUSTEES



Madeleine Wing Adler, President

3/10/05
Date

APPROVED BY VOTE OF THE COUNCIL OF TRUSTEES



Thomas A. Fillippo, Chairperson
Council of Trustees

3-24-05
Date

**WEST CHESTER UNIVERSITY
FIVE-YEAR CAPITAL BUDGET REQUEST**

A proposed resolution for a five-year capital budget request for fiscal years 2005-06 through 2009-10 is attached. This request reflects the University's needs for new facilities or the renovation of existing facilities. While this request covers a five-year period, it will be revised and updated annually.

In addition, attached is West Chester University's Five-Year Capital Budget Request Summary Sheet and supporting documentation. This request was prepared in accordance with guidance provided by the Office of the Chancellor. If approved by the Council of Trustees, it will be submitted to the Board of Governors for consideration in a System-wide spending plan to be forwarded to the Pennsylvania Legislature requesting authorization.

Cap Budget 5 Year Spending Plan- 2005-06 Proposed

West Chester University

2/11/2005

Previous Submitted Priority	Current Priority	Project Title	Description	New Submitted Amount	Authorized Amount	Act #	Expiration Year	Anticipated year of funding
2	1	Swope Hall Furniture/ Equipmt	Original Furniture and Equipment for newly renovated and reconfigured Swope Hall- project cost to be supplemented by Federal Grant dollars for Center for Informational Assurance @ Swope Hall.		\$ 630,000	131/02	N/A	after commencement of Swope Renovation (2007)
3	2	EO Bull Center Renovations	Life-cycle renovation of 50,000 gsf academic and student-services building, including a proposed 10,000 gsf new building addition. Future space planning includes incorporation of Art and Dance Departments, adjacent to current Theatre Department, creating a unified campus location of all divisions of College of Visual and Performing Arts. Student Services Departments would relocate to renovated Swope Hall.		\$ 13,000,000	40/04	2003 (35/99); See Note 1,2	2005-06
4	3	EO Bull Furniture/ Equipmt	Original Furniture and Equipment for newly renovated and reconfigured EO Bull.		\$ 1,300,000	131/02	N/A	2006-07
5	4	Infrastructure Renovations- Steam Lines	Replacement of balance of campus' 40-year old steam heat distribution and condensate return lines.		\$ 6,000,000	40/04	N/A	2007-08
6	5	Lawrence Hall Renovations	Life-cycle renovation of E&G portion of 29,000 gsf mixed-use building.		\$ 6,387,000	131/02	N/A	2007-08
7	6	Infrastructure Renovations- Boiler Plant Upgrade	Life-cycle renovation of existing Boiler Plant infrastructure, including replacement of existing coal boilers to more efficient variable fuel source boilers, and modernization of façade to properly reflect central location on campus.		\$ 4,781,000	131/02	N/A	PASSHE 2005-2010 Capital Spending Plan not yet released
8	7	Infrastructure Renovations- Chilled water plant	Installation of central chiller plant in Boiler Plant, and distribution piping in trough system to major campus buildings.		\$ 3,800,000	40/04	N/A	
9	8	Renovate FHG Library- Phase I & II Renovations	Life-cycle renovations of 146,000 sf Library services building.		\$ 20,400,000	40/04	See note 2	
	9	Sturzebecker Health Science Center Renovations	Life-cycle renovation of 209,000 gsf academic building, including conversion of 3 of 6 existing gymnasium spaces to new faculty offices, classrooms and laboratory space, and new 20,000 gsf Field-house building addition.	\$ 39,413,222	New			
	10	Mitchell Hall Renovations	Life-cycle renovation of 38,000 gsf academic bldg.	\$ 5,881,805	New			

Capital Requests TOTAL **\$ 101,593,027**

Notes:

- 1 4 year expiration of Authorized Projects was rescinded for Acts 131/02 and 27/00, but not for Act 35/99
- 2 Former approval to be rescinded- increased Project Cost re-authorized under Act 40/04.



Council of Trustees
West Chester University
West Chester, Pennsylvania 19383-1000

**Council of Trustees
Resolution 2005-07**

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Proposed

RESOLUTION
COUNCIL OF TRUSTEES
WEST CHESTER UNIVERSITY OF PENNSYLVANIA
MARCH 24, 2005
PURCHASE ORDERS AND CONTRACTS

BE IT RESOLVED THAT THE COUNCIL OF TRUSTEES OF WEST CHESTER UNIVERSITY OF PENNSYLVANIA HEREBY APPROVES THE LIST OF PURCHASE ORDERS AND CONTRACTS IN EXCESS OF \$5,000 EXECUTED DURING JANUARY AND FEBRUARY 2005 FOR THE PURCHASE OF EQUIPMENT, SERVICES AND SUPPLIES.

RECOMMENDED FOR ACTION BY THE COUNCIL OF TRUSTEES



Madeleine Wing Adler, President

3/10/05
Date

APPROVED BY VOTE OF THE COUNCIL OF TRUSTEES



Thomas A. Fillippo, Chairperson
Council of Trustees

3.24.05
Date

West Chester University of Pennsylvania
Purchase Orders and Contracts in Excess of \$5,000.00
Executed during January, 2005
For the Purchase of Equipment, Services and Supplies

Department	Vendor	Item	Document No.	Amount
Academic Computing Center	IBM Corporation 4800 Fall of the Neuse Road Raleigh, NC 27609	Purchase of 20 IBM ThinkPad computers.	34852	\$28,200.00
	ePlus Technology of PA 130 Futura Drive P. O. box 479 Pottstown, PA 19464	Hewlett Packard LaserJet printers for computer lab.	34491A	\$14,857.00
	IBM Corporation 4800 Fall of the Neuse Road Raleigh, NC 27609	Purchase of 20 IBM ThinkPad computers.	34645	\$28,200.00
Advancement	The Fund for West Chester University 201 Carter Drive, Suite 200 West Chester, PA 19383	Consulting Services provided to the College of Health Sciences and fundraising initiatives for the Capital Campaign.	34616	\$13,537.15
	On Q Productions 4260 Bethel Road Boothwyn, PA 19061	Hollinger Field House decorations for the 2005 Presidential scholarship Gala.	34804	\$6,950.00
Boiler Plant	Tyco Valves & Controls, LP TVC Eastern Division 83 General Warren Blvd, Suite 201 Malvern, PA 19355	Replacement of leaking valves in the Heating Plant.	34705	\$7,512.00
College of Arts and Science	G.E. Richards, Inc P.O. Box 4806 Lancaster, PA 17604	Purchase of a new Savin Digital Imaging System Model 4045E copier.	34653	\$8,172.82
College of Business & Public Affairs	Windows Travelogues, Inc. 3975 Cascade Road SE Grand Rapids, MI 19803	Travel Adventure Lecture Series - Speaker fees.	34657	\$5,000.00
	Claritas Express P.O. Box 533028 Atlanta, GA 30353	Claritas XPRESS software license renewal for the period 12/31/04 thru 12/31/05.	34818	\$9,931.00

West Chester University of Pennsylvania
Purchase Orders and Contracts in Excess of \$5,000.00
Executed during January, 2005
For the Purchase of Equipment, Services and Supplies

Department	Vendor	Item	Document No.	Amount
College of Business & Public Affairs	Comcast 1700 Paoli Pike Malvern, PA 19355	Advertising cost for MBA Program - Comcast Spotlight for the period 1/5/05 thru 4/5/05.	DA050701MB	\$11,000.00
College of Education	Computer Integration Group 2570 Ponderosa Drive Lancaster, PA 17601	Purchase of 10 Compaq Tablet computers for use in the eportfolio projects.	34561	\$19,490.00
College of Health Sciences	Wellbe, Inc 7580 Lost Ranger Peak Littleton, CO 80127	Services provided to develop a continuing medical education course in holistic medicine.	WC812	\$5,000.00
College of Visual & Performing Arts	Gregory P. Cheng 833 Mystery Lane West Chester, PA 19382	Piano tuning and instrument service.	34770	\$5,500.00
Environmental Health & Safety	Professional Health Services 83 South Eagle Road Havertown, PA 19082	Contract renewal of medical monitoring of employees to determine if they can safely wear a respirator and if they are at risk of acquiring an occupational respiratory disease.	34914	\$12,000.00
English Literature	Alcom Printing 140 Christopher Lane Harleysville, PA 19438	Printing of the PAWLP 2005 Summer Youth Programs Brochure.	34688	\$10,310.00
Facilities Division	Westcott Electric Company P.O. Box 278 Glen Riddle, PA 19037	Electrical Construction for Sprinkler Project in Resident Halls.	6200590045	\$901,071.16
	Modern Equipment Sales & Rental Co. 1165 Matsonford Road West Conshohocken, PA 19428	Safety inspection and repairs to the Grove Lift.	34619	\$10,592.87

West Chester University of Pennsylvania
Purchase Orders and Contracts in Excess of \$5,000.00
Executed during January, 2005
For the Purchase of Equipment, Services and Supplies

Department	Vendor	Item	Document No.	Amount
Facilities Division	Hobart Corporation 9135 Torresdale Avenue Philadelphia, PA 19136	Service contract renewal for dishwashers located in Lawrence Hall Center.	33014	\$5,302.00
	Independence Interior Products 834 Margo Lane Penn Valley, PA 19072	Manufacturing and installation cost for new drapery panels in the banquet room at 1160 McDermott Drive.	34760	\$6,190.00
	Extreme Insulation, Inc. 227 Green Hollow Road Glenmoore, PA 19343	Installation of insulation in Recitation and Mitchell Halls.	34225	\$5,441.00
	Hobbs and Company, Inc 1012 Meetinghouse Road Boothwyn, PA 19061-8140	Electrical construction contract for the Lawrence Dining Hall addition.	6200800008	\$459,900.00
	STV Architects 205 West Welsh Drive Douglasville, PA 19518	Design fee and construction administration for shower pan replacement project in Schmidt Hall.	6201080001	\$43,600.00
	TMI Commercial, Inc. 90 Village Square Honey Brook, PA 19344	Plumbing construction contract for the Lawrence Dining Hall addition.	6200800007	\$277,870.00
	A & E Construction, Inc. 152 Garrett Road Upper Darby, PA 19082	General construction contract for the Lawrence Dining Hall addition.	6200800005	\$2,770,000.00
	PAC Industries, Inc. 950 River Road Croydon, PA 19021	Emergency repair of two minor main bearing assemblies in washing machines located in Sturzebecker.	34853	\$10,313.20
STV Architects 205 West Welsh Drive Douglasville, PA 19518	Construction project management services in support of classroom, office space, and banquet room areas of Graduate Business Center.	6302670022	\$13,900.00	
Information Services	ePlus Technology of PA 130 Futura Drive P. O. box 479 Pottstown, PA 19464	Purchase of HP equipment to support Adirandack Judicial & Housing, Campus Police, PeopleSoft Financials, Network Security and Intrusion Detection.	34534	\$145,491.00

West Chester University of Pennsylvania
Purchase Orders and Contracts in Excess of \$5,000.00
Executed during January, 2005
For the Purchase of Equipment, Services and Supplies

Department	Vendor	Item	Document No.	Amount
Information Services	IBM Corporation P.O. Box 945684 Atlanta, GA 30394	IBM Pentium 4 computers with factory installed memory.	34759	\$15,680.00
	8th Street Music 1023 Arch Street Philadelphia, PA 19107	Purchase of new student instructional lab equipment for the CMT.	34706	\$6,184.96
	Medley Music Corporation 1041 Lancaster Avenue BrynMawr, PA 19010	Purchase of new student instructional lab equipment for the CMT.	34715	\$9,043.00
	Sweetwater Sound Inc. 5335 Bass Road Ft. Wayne, IN 46808	Purchase of new student instructional lab equipment for the CMT.	34647	\$11,270.00
	IBM Corporation P.O. Box 945684 Atlanta, GA 30394	Purchase of 20 IBM Thinkvision flat panel display monitors.	34773	\$6,440.00
	Info Systems Inc. 590 Century Blvd Wilmington, DE 19808	Purchase of licenses and maintenance necessary for the completion of conversion of strategic backup processes to Commvault.	34812	\$6,429.00
	Info Systems Inc. 590 Century Blvd Wilmington, DE 19808	Purchase of licenses necessary for conversion of data backup process to Commvault.	34816	\$9,313.00
Residence Life & Housing	Adirondack Solutions, Inc. P.O. Box 8102 Bridgewater, NJ 08807	Yearly technical support fee for Adirondack software.	34721	\$10,612.00

West Chester University of Pennsylvania
Purchase Orders and Contracts in Excess of \$5,000.00
Executed during February, 2005
For the Purchase of Equipment, Services and Supplies

Department	Vendor	Item	Document No.	Amount
Academic Computing	SPSS, Inc. 233 South Wacher 11th Floor Chicago, IL 60606-6307	25 Additional Academic Perpetual Software licenses. Base, advanced, and regression models.	34904	\$19,237.00
College of Education	Apple Education Buying Service 2420 Ridgepoint Drive Austin, TX 78754-0898	The purchase of Apple MAC OS X maintenance for 36 months for Apple software with related hardware.	34967	\$7,253.00
College of Health Sciences	Main Line Health System 930 Haverford Road, Suite 110 Bryn Mawr, PA 19010	Respiratory Care Program services fee.	34900	\$30,000.00
Facilities Division	Pennsylvania Industries for the Blind 1007 North Front Street Harrisburg, PA 17110-0865	Carpet replacement in the Sykes Union Bookstore.	6260050002	\$38,131.75
	Pennsylvania Industries for the Blind 1007 North Front Street Harrisburg, PA 17110-0865	Carpet replacement in Ramsey Hall.	6201010001	\$136,495.00
Grounds	Fisher & Son 237 E. King Street Malvern, PA 19355	50 lb bags of Zero Ice for de-icing of sidewalks.	34901A	\$7,689.60
Information Services	Apple Education Buying Service 2420 Ridgepoint Drive Austin, TX 78754-0898	Apple equipment for the new Student Instructional Lab for the CMT.	34778	\$59,404.35
Publications	Phillips Brothers Printing 1555 West Jefferson St. Springfield, IL 62705	Printing of the 2005-07 Graduate catalog.	34887	\$6,775.00



**Council of Trustees
Resolution 2005-08**

Council of Trustees
West Chester University
West Chester, Pennsylvania 19383-1000

www.wcupa.edu

Proposed

RESOLUTION
COUNCIL OF TRUSTEES
WEST CHESTER UNIVERSITY

May, 2005

BE IT RESOLVED THAT THE COUNCIL OF TRUSTEES OF WEST CHESTER UNIVERSITY GRANTS AUTHORITY TO MOVE FORWARD TO INSTITUTE THE FOLLOWING CERTIFICATE PROGRAM:

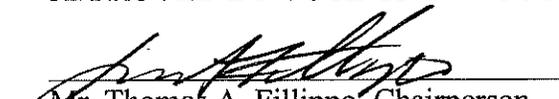
UNDERGRADUATE CERTIFICATE IN COMPUTER SECURITY

APPROVED PENDING ACTION BY THE COUNCIL OF TRUSTEES


Dr. Madeleine Wing Adler, President

May 4, 2005
Date

APPROVED BY VOTE OF THE COUNCIL OF TRUSTEES


Mr. Thomas A. Fillippo, Chairperson,
Council of Trustees

May 4, 2005
Date

**PENNSYLVANIA STATE SYSTEM OF HIGHER EDUCATION
NOTIFICATION OF INTENT TO DEVELOP NEW UNDERGRADUATE CERTIFICATE**

UNIVERSITY: West Chester University of Pennsylvania
CONTACT PERSON: James Fabrey, Chairperson,
Department of Computer Science
DATE: March 31, 2005
DEGREE AND PROGRAM UNDER DEVELOPMENT: Certificate in Computer Security
DEPARTMENT SUBMITTING PROPOSAL: Computer Science
DATE OF PROPOSAL SUBMISSION: ***
DESIRED IMPLEMENTATION DATE: Fall semester 2005
or Spring semester 2005

The following three pages cover the required areas for this document:

- Summary and Mission Alignment
- Program Need
- Five remaining Topics



Council of Trustees
West Chester University
West Chester, Pennsylvania 19383-1000

**Council of Trustees
Resolution 2005-09**

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Proposed

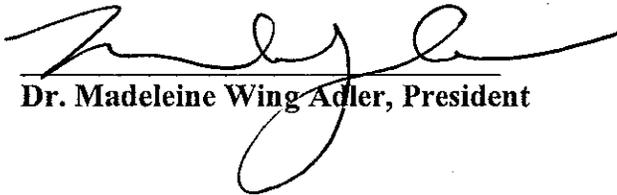
**RESOLUTION
COUNCIL OF TRUSTEES
WEST CHESTER UNIVERSITY**

May, 2005

**BE IT RESOLVED THAT THE COUNCIL OF TRUSTEES OF WEST CHESTER
UNIVERSITY GRANTS AUTHORITY TO INSTITUTE THE FOLLOWING
ACADEMIC PROGRAM MINOR**

Minor in Information Technology

APPROVED PENDING ACTION BY THE COUNCIL OF TRUSTEES

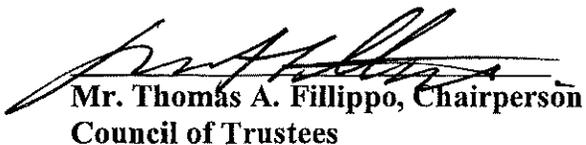

A handwritten signature in black ink, appearing to read "Madeleine Wing Adler".

Dr. Madeleine Wing Adler, President

May 4, 2005

Date

APPROVED BY VOTE OF THE COUNCIL OF TRUSTEES


A handwritten signature in black ink, appearing to read "Thomas A. Fillippo".

**Mr. Thomas A. Fillippo, Chairperson
Council of Trustees**

May 4, 2005

Date

Proposed Academic Minor in Information Technology

Submitted by WCU Department of Computer Science
Desired Implementation Date-August 2005

BRIEF SUMMARY OF PROPOSED PROGRAM: The discipline of Computer Science is evolving. The accreditation board for the profession of computing (ABET CAC) is responsible for creating accreditation guidelines for Computer Science. Last year (2004) ABET CAC adopted accreditation guidelines for undergraduate majors in Information Technology. This represents a significant trend in the realm of Computer Science that the proposed IT minor at WCU is attempting to address. This trend involves providing students with a basic background in Information Technology, emphasizing the use of that technology in the economy as opposed to the more theoretical emphasis of Computer Science. Our minor covers the basic areas in this new and emerging field of Information Technology. Specifically, these are: basic programming skills, Web Development, Databases, Operating Systems, Networks, and Ethics and Security. These major areas were identified on the basis of the new accreditation guidelines and on the basis of professional interactions with one of the international leaders in this new, emerging field for undergraduate education: Jim Leone, at the Rochester Institute of Technology.

APPROPRIATENESS TO MISSION:

1) Alignment with State System Strategic Direction

Quoting Governor Rendell, "For Pennsylvania to successfully compete in the global economy, we must have a world-class, twenty-first century workforce." According to a report from the Commonwealth of Pennsylvania, one of the eight major targeted industry clusters for economic development in Pennsylvania is Information and Communication Services. Our new minor is strongly oriented towards this industry cluster. According to this report, southeastern Pennsylvania (the Philadelphia region, including Chester County, where West Chester University resides) has an especially strong presence for this particular cluster. The Information and Communication Services industry cluster in Pennsylvania is very much centered here in the Philadelphia region.

According to information from the Software Industry Institute at CMU (as reported in Business 2.0 magazine), Philadelphia is one of the top twenty "boom towns" in America. These boom towns will create 850,000 skilled jobs, in areas like information technology, software engineering, database administration, during the next four years. In the Philadelphia region, computer science professions (including Information Technology) is ranked number one in terms of job creation according to this report. According to Richard Florida of the Software Industry Institute those professions which deal with our most skilled workers, like workers in Web technology, databases, and computer networks, are essentially responsible for all of the growth in the US economy over the past two decades and this trend should continue.

According to the Federal Bureau of Labor Statistics and their Occupational Outlook Handbook, the top ten occupations in terms of job opportunity growth for the period through 2012 include

- Computer support specialists
- Network and computer systems administrators
- Network systems and data communication analysts
- Database administrators.

In other words four of the top ten occupations are directly related to WCU's proposed IT minor. In addition, three additional occupations (including computer systems analysts and software engineers) in the list of the top ten are also served by the Department of Computer Science at West Chester. In other words, seven of the top ten occupations that the federal government expects to see leading the national economy in terms of job growth are housed in the Department of Computer Science, the department that is proposing the new Information Technology minor. Four of these occupations directly relate to the Information Technology minor.

According to the Occupational Outlook Handbook, employment in the information super sector (heavily served by the proposed IT minor) is expected to increase by 18.5 percent, adding 632,000 jobs by 2012. Employment for those working in Web search portals and data processing services is expected to increase by 41.1 percent and 48.2 percent respectively. They add that increased demand for residential and business land-line and wireless services, high-speed Internet connections, and software will fuel job growth among these industries. According to this report, employment in computer systems design and related services will grow by 54.6 percent by 2012.

2) Alignment with University Strategic Direction

The goal at West Chester University is to achieve excellence in various areas, including providing students with a rewarding educational experience leading to careers that will enable them to successfully contribute to the human community. The proposed IT minor will allow a larger population of students to do this than is provided by the current course offerings in Computer Science. This is because the Computer Science major is somewhat theoretical compared to what industry needs in terms of people who can keep the IT infrastructure functioning in keeping with the needs of the business and government sectors of the economy. By reducing the strong requirements in mathematics and theory contained within the Computer Science major, the proposed IT minor should attract new populations of students into the IT minor.

PROGRAM NEED

1) Intellectual Value of the Program:

The proposed IT minor is based upon specific standards included in the ABET CAC curriculum guidelines for undergraduate degrees in Information Technology. These are completely new guidelines in a field that seems to be "exploding" across the United States. That is, more and more Universities are beginning to introduce programs in Information Technology to supplement existing programs in Computer Science. The proposed IT minor will focus on important core areas in the Information Technology accreditation guidelines. These are Web development, Databases, Networking, Operating Systems (especially, system administration), and Ethics and Security. The Computer Science Department at West Chester took special care to design the new courses so that they would be appropriate for a program in Information Technology while retaining the minor's intellectual credibility. The intention is to create challenging and interesting courses for the students.

2) Long-term Student Demand Supported by Data:

Please see the "Alignment with State System Strategic Direction" section for data from various sources, including the federal government, the Commonwealth of Pennsylvania, and the Software Industry Institute at CMU for impressive data about job creation in the Information Technology sector. We will repeat just some of that information here: Information and Communication Services is one of the eight industry clusters that the Commonwealth of Pennsylvania stresses in its report on Pennsylvania's Targeted Industry Clusters. According to the federal government (Occupational Outlook Handbook from the Federal Bureau of Labor Statistics) occupations intrinsically related to the offerings in the IT minor will provide tremendous job growth opportunities through 2012. The IT minor is about these occupations (e.g., Computer support specialists, network and computer systems administration, database administrators) in a fundamental way. The Targeted Industry

Clusters report from the Commonwealth of Pennsylvania shows that in Pennsylvania job opportunities in this cluster are stronger in the Philadelphia region (which WCU serves) than in any other part of the Commonwealth. This report stresses that the IT sector of the economy provides high income for employees with the requisite skills, the very skills that the minor is addressing. The data from this 2002 report (in terms of job volume) is probably a bit weaker than the reality in 2005.

3) Regional Market Demand for Program Completers Supported by Data and / or Professional Literature:

This issue was addressed in detail in the "Alignment with the State System Strategic Direction" section in some detail. We will add the note that part of the inspiration for the IT minor came from ideas from the Software Industry Institute at CMU, which provided much of the data for the Business 2.0 magazine report cited above. Richard Florida at the Software Industry Institute at CMU advocates the continued development and nurturing of "the creative class" in the United States in order to protect America's prosperity. These are the kinds of ideas that helped to inspire the Computer Science Department to develop this minor.

4) National Market Demand for Program Completers:

This issue was addressed in detail in the "Alignment with the State System Strategic Direction" section. In particular, data from the Federal Bureau of Labor Statistics and their Occupational Outlook Handbook were provided in that section. The proposed IT minor is STRONGLY tied in to four of the ten occupations that the Federal Bureau of Labor Statistics sees as the most powerful providers of new employment opportunities through the end of this decade and into the beginning of the next. These occupations were:

- Computer support specialists
- Network and computer systems administrators
- Network systems and data communication analysts
- Database administrators

5) Other State System Universities Who Offer the Program:

To our knowledge, West Chester University is the first university to propose a minor program in Information Technology.

6) Added Value:

IT programs are proliferating in academia across the US at the present time. The IT minor will attract a more diverse student body (than the existing Computer Science major). It will provide new and exciting challenges for faculty, including the probability of an eventual major in IT according to the ABET CAC guidelines. Students from many majors will be able to take advantage of this new minor to enhance their career opportunities.

ACADEMIC INTEGRITY: (Description of the proposed curriculum)

The IT minor is based upon specific standards stated in the CAC ABET accreditation guidelines for majors in Information Technology. In addition, one member of our department has worked quite closely with a national leader in IT education (Jim Leone, Chair of the Department of Information Technology at RIT) in gaining knowledge about this emerging field and how it differs from traditional Computer Science. With this kind of information, the WCU Department of Computer Science was able to design an IT minor that we believe has academic integrity in terms of the goals of IT as an emerging academic discipline. We have developed a highly detailed document (provided to the Administration at WCU) describing the courses in the minor and providing assessment guidelines for the IT minor. The assessment guidelines provided in that document are closely aligned with the relevant CAC ABET standards.

COORDINATION WITH OTHER PROGRAMS:

To our knowledge, there is no unnecessary duplication inherent in the proposed IT minor. If the minor is expanded to a full major, then cooperation with the MIS (Management Information Systems) instructors will be required for some of the courses (according to the ABET CAC guidelines). That is not necessary at this point in time. Preliminary discussions with faculty in other disciplines (including Chemistry and colleagues in the School of Education) indicate that the proposed minor should prove as successful or even more successful than our Web Applications minor, which has strengthened the technology backgrounds of students from a variety of majors.

ASSESSMENT AND ACCREDITATION:

The document that the Department of Computer Science presented to the Administration at West Chester University included assessment guidelines for the IT minor. These guidelines were specifically tied to the ABET CAC standards that were relevant in determining the courses that belong in the minor. These guidelines describe specific skills that students will obtain relating to network and systems administration, the creation of database applications, and the creation of Web applications. In addition, students will be expected to show a fundamental understanding of ethical issues in IT (especially privacy and intellectual property issues) and security issues in IT (especially the nature of computer crime and protective technologies).

RESOURCE SUFFICIENCY: The Department of Computer Science believes that we currently have sufficient resources to offer the IT minor to our students at WCU and no additional resources are needed at this time.

IMPACT ON EDUCATIONAL OPPORTUNITY:

The IT minor will attract a more diverse student body than the existing major in Computer Science. The fact that IT fundamentally has to do with human interaction (keeping systems running and making systems useful for human users) and less to do with theoretical considerations (as one finds in the core of Computer Science) means that we can expect to attract a more diverse group of students to this minor. One problem nationally with respect to Computer Science is that the number of female students majoring in Computer Science is very small. We expect that the new minor will attract more female students since the minor has more of a human-interaction perspective than traditional Computer Science.



Council of Trustees
West Chester University
West Chester, Pennsylvania 19383-1000

**Council of Trustees
Resolution 2005-10**

www.wcupa.edu

Proposed

RESOLUTION

COUNCIL OF TRUSTEES

WEST CHESTER UNIVERSITY

May, 2005

BE IT RESOLVED THAT THE COUNCIL OF TRUSTEES OF WEST CHESTER UNIVERSITY GRANTS AUTHORITY TO INSTITUTE THE FOLLOWING ACADEMIC PROGRAM/DEGREE

Bachelor of Science in Mathematics

APPROVED PENDING ACTION BY THE COUNCIL OF TRUSTEES


Dr. Madeleine Wing Adler, President

May 4, 2005
Date

APPROVED BY VOTE OF THE COUNCIL OF TRUSTEES


Mr. Thomas A. Fillippo, Chairperson
Council of Trustees

May 4, 2005
Date

Pennsylvania State System of Higher Education
Executive Summary of Degree Proposal

Bachelor of Science in Mathematics
West Chester University of Pennsylvania
Proposed Implementation date: Fall 2005

1. Appropriateness to Mission

The overarching purpose of the proposed Bachelor of Science degree program in Mathematics is to provide its graduates with a career-oriented bias upon entry into the job market. To this end, the program allows students to concentrate in one of five branches of applied mathematics: Actuarial Science, Statistics, Mathematics of Finance, Industrial Mathematics, and Computational Mathematics.

The initial impetus for developing the degree was provided by the University's strategic planning document *A Plan for Excellence* with its interests in marketability of graduates and industrial outreach programs. The degree is also in keeping with SHHE's recently published (July 2004) strategic plan Leading the Way, The Pennsylvania State System of higher Education; A Plan for Strategic Directions 20004-2009 with its emphasis on regional employment needs, career oriented curricula, and science and technology programs.

2. Need

As noted in the University's strategic plan *A Plan for Excellence*, there is a growing emphasis on "providing lifelong-learning, technical and applied skills essential to the graduates' success in the future." According to that plan "Southeastern Pennsylvania can anticipate a "69% growth in computer science and mathematics [related] jobs." These observations are in line, as described latter (page 4), with the Bureau of Labor Statistics' estimates of the needs of a workforce with more mathematical training.

The department has conducted a feasibility study for the B.S. degree. We have solicited feedback from alumni in the form of a survey. The purpose of the survey was two-fold. First, we wanted to get a sense of how the alumni felt about offering a B.S. degree. Second, we wanted to identify successful alumni, currently working in mathematical related fields, to read our proposal and offer suggestions and support. Results of the

study show an overwhelming support for the addition of a B.S. degree with many alumni saying they wished the program was in existence when they were in college. Over eighty-five percent of those responding were in favor of the addition of the program, less than nine percent were indifferent and only one person was opposed to the addition. Further evidence is included in Appendix D of the Proposal where we have included letters of support from various alumni, business, and industry partners and academics from institutes with similar programs.

3. Academic Integrity

The B.S. degree in Mathematics along with the five concentrations has been developed under the guidelines set forth by the Mathematical Association of America. The Association has published a curriculum guide titled *Undergraduate Programs and Courses in The Mathematical Sciences: CUPM Curriculum Guide 2004* which recommends a "curricular structure with several fixed components within which is considerable latitude in specific course choices. Combined with specialized curriculum concentrations...within the major, this structure provides flexibility and utility." As designed, the potential concentrations align succinctly with these suggestions.

To obtain a B.S. in Mathematics, a student must successfully complete the 120 credit hour program laid out in Section III and Appendix B of the Proposal. In addition, all students admitted to the program must meet university standards for admission.

3. Coordination with Other Programs

With the addition of a new set of required cognates, several Departments outside the Department of Mathematics will be affected. The departments most affected will be the Department of Economics and Finance, the Department of Physics and the Department of Computer Science Department. The Department Chairs of each of these departments, along with their respective Deans, have been notified of our intentions. The Departments of Physics and Computer Science report that no additional resources will be needed to accommodate our students. In addition, the Chairs are enthusiastic with regard to the proposed program and feel that a program such as ours will only help to strengthen their departments. The Dean of the College of Business and Public Affairs has also endorsed the program. Moreover, the Chair of the Economics and Finance Department has expressed his excitement for the new program and assures us that the Department can accommodate our projected student enrollments.

4. Periodic Assessment

The program will follow the standard assessment and evaluation procedures of the University. An assessment plan will be designed and the department will perform assessment activities each year. Using these results, we will strive to continuously improve the program and in addition, we will provide an annual assessment summary. Further details can be found in Section IV of the Proposal.

5. Resource Sufficiency

We foresee the need to add at most six courses to our current offerings. These courses would be cycled in such a way that no more than two additional courses would be offered each semester as compared to the current number of major program electives. Moreover, since there are sufficient seats available in most of our upper division courses, no additional staff would be required to implement the curriculum during the first five years. If the program should continue to grow at the anticipated rate, we may, after these five years, see the need to cycle the new courses at a faster rate, two additional courses each semester as compared to our current offerings. And at this time, the department may want to investigate hiring a new faculty member to help cover the additional offerings. Finally, as outlined in the budget of the full proposal of the Proposal, the resources required for library holdings can be absorbed by the existing departmental funds.

6. Impact on Educational Opportunity

The *CUPM Curriculum Guide 2004*, notes that the population of potential mathematics majors has changed drastically over the past 30 years. Many “are less interested in mathematics and lack confidence in their mathematical ability; [however] they may choose to major in mathematics because of its applicability in other disciplines or because it offers the promise of employment opportunities.” For this reason, as cited in a preliminary report by Gilbert Strang of MIT, “providing a flexible major or a variety of tracks within the major can position the department to meet the diverse needs of its students most effectively.”

Prepared by: Dr. Lisa E. Marano, Assistant Professor of Mathematics



**Council of Trustees
Resolution 2005-11**

Council of Trustees
West Chester University
West Chester, Pennsylvania 19383-1000

www.wcupa.edu

PROPOSED

RESOLUTION

COUNCIL OF TRUSTEES

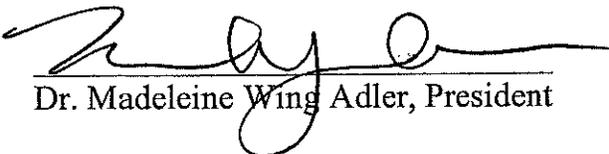
WEST CHESTER UNIVERSITY

May 4, 2005

BE IT RESOLVED THAT THE COUNCIL OF TRUSTEES OF
WEST CHESTER UNIVERSITY
DESIGNATES THE FOLLOWING
DISTINGUISHED FACULTY MEMBER AS AN AWARDEE
OF THE TRUSTEES ACHIEVEMENT AWARD.

Dr. Karin Volkwein-Caplan

APPROVED PENDING ACTION BY THE COUNCIL OF TRUSTEES


Dr. Madeleine Wing Adler, President

May 4, 2005
Date

APPROVED BY VOTE OF THE COUNCIL OF TRUSTEES


Mr. Thomas A. Fillippo, Chairperson
Council of Trustees

May 4, 2005
Date



614 W. SUPERIOR ST.
ALMA, MICHIGAN 48801-1599
TEL (517) 463-7111
FAX (517) 463-7277

April 8, 2005

Dear Members of the Academic Recognition Committee,

I have been asked to serve as an external consultant to review Dr. Karin Volkwein-Caplan's materials for the West Chester University Council of Trustees Achievement Award. I am pleased to report that my appraisal of her scholarship is very positive and I do indeed recommend that she receive the award.

Dr. Volkwein-Caplan's portfolio amply demonstrates the high regard in which her scholarly work is held within her home discipline(s). Her two books, two edited volumes, numerous book chapters and refereed journal articles, and an even greater number of refereed conference presentations are evidence of an active, engaged academic. The fact that she has also published several invited book chapters and made several invited conference presentations is further evidence of the trust that her peers place in her work. The frequency and consistency of Dr. Volkwein-Caplan's scholarly output since joining West Chester University in 1992 is quite remarkable. Finally, the letters of support from her colleagues at West Chester University and elsewhere in the cluster of academic disciplines that her work spans—kinesiology, sport science, sociology of sport, and health science—speak eloquently of the positive impact that her work has had both within the United States and elsewhere.

If my comments as an external reviewer can shed any additional light on the strength of Dr. Volkwein-Caplan's candidacy for the award, it is because my standing *outside* of kinesiology and sport science may serve as independent confirmation of the highly positive opinion of those within it. I am a philosopher who specializes in applied ethics. My involvement in philosophy of sport began with the publication of a paper in *Journal of the Philosophy of Sport (JPS)* in 1992. I joined the International Association for the Philosophy of Sport (IAPS) in 1996 and have attended most of its annual meetings since then. I served as president of IAPS 2001-2 and have been editor of *JPS* since 2002.

I have met Dr. Volkwein-Caplan at several IAPS meetings, attended sessions at which she presented papers, and served with her on the IAPS executive. Her intellectual passion has been evident in both her presentations and in the many informal conversations about philosophy of sport that occur at our conferences. She provided several invaluable years as IAPS liaison with ICSSPE, the umbrella organization for sport science societies, in which she held an elected position. IAPS, like ICSSPE, is a highly diverse, international organization, and Dr. Volkwein-Caplan's involvement in both has brought very positive attention to West Chester University on the international stage.

All of Dr. Volkwein-Caplan's work has significant philosophical implications. Her work on health, culture and fitness raises important metaphysical questions about the *nature* of health and physical activity. Her notion that we should understand fitness as

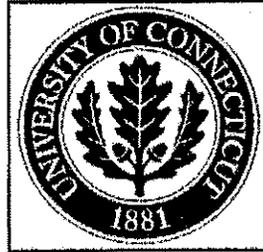
a function of a person's psychological wellbeing and not just of the physical state of her body has important implications for health care. In fact, it parallels the emphasis in osteopathy on a holistic approach to wellness.

Above all else, Dr. Volkwein-Caplan's work has important consequences for applied ethics. Indeed, both her 1998 and 2004 books articulate and defend normative positions on the value of mass participation in physical activity. The idea that engaging in sport and exercise in general benefits all people, and not just elite athletes, has enormous relevance for the way that we structure sport and physical education opportunities in K-12 education and even in college. This mirrors the thesis that philosopher Janice Moulton defends in her recent paper, "Why Everyone Defends a Sporting Chance: Education, Justice, and School Sports," in Jan Boxill's anthology *Sports Ethics* (Malden, MA: Blackwell Publishing, 2003). Dr. Volkwein-Caplan's work, especially her cross-cultural comparisons between Germany and the United States, provides invaluable empirical background to support this normative claim. Moreover, her own narrative statement eloquently advances precisely such an egalitarian thesis about our duty to provide access to sport and physical activity to all people.

Gender issues play a significant role in the philosophy of sport, and they have been prominent in several areas of Dr. Volkwein-Caplan's research program. For instance, the general issue of mass participation in sport becomes even more important in the case of girls and women, who, until the passage of Title IX, were largely excluded from the opportunities that were readily available to boys and men. Dr. Volkwein-Caplan's historical and sociological work has documented the negative effects this has had on women. In addition to her research in this area, in 1999 she was awarded a Committee for the Advancement of Social Equity grant to help bring to campus Mariah Burton Nelson, an excellent author and speaker on the enormous benefits—improved self-esteem, reduced likelihood of victimization, etc.—that accrue to women who participate in sport and physical activity. A great virtue of Dr. Volkwein-Caplan's scholarship is that her theoretical conclusions, in addition to being well supported by empirical evidence, promote social change that will bring tangible benefits to women, minorities and, more generally, people who for various reasons have been denied equal access to sport and physical activity.

The dark side of women's participation in sport has been sexual harassment of female athletes, often by male coaches. This topic has generated several papers in recent issues of *JPS*. Dr. Volkwein-Caplan has edited a volume (2002), published several papers and made several conference presentations on the issue. I can attest to the fact that this topic is still very much current, based on the reaction of the students in my fall semester philosophy of sport class, an extraordinary number of whom either had or knew someone who had experienced sexual harassment in sport. Her edited book (1999) and series of articles and presentations on discrimination against HIV+ athletes in sport demonstrates the same commitment to justice and fairness that underlies her work on women's issues.

As a philosopher, I value Dr. Volkwein-Caplan's work in two ways. First, the sociological and historical data that she brings to bear on such questions as mass participation in sport and physical activity and gender issues in sport provide invaluable background data for the moral analysis that applied ethicists perform. (This



April 14, 2005

From: Prof. A. Yiannakis
Dept. Of Kinesiology
University of Connecticut

To: Ms Rebecca Hook
Provost's Office
West Chester University
Westchester, PA 19383
Fax: 610-436-3406

To Whom It May Concern:

I am writing this letter of evaluation for Dr. Karin Volkwein-Caplan in regard to the University Council's Trustees' Achievement Award.

I have known Karin for over ten years. Most of our association has been of a professional nature although I have also had occasion to interact with her less formally at conferences and meetings. I have, therefore, had occasion to observe her under diverse conditions and I feel well qualified to speak to her scholarship.

Karin has put together an impressive package of material which, in my opinion, adequately documents her scholarly activities over the past fifteen

years. Her primary area of emphases centre around issues pertaining to the philosophy and sociology of sport. Her work has been primarily interdisciplinary. She has focused on a variety of issues pertaining to gender equity, discrimination and sexual harassment and on a variety of health issues, including fitness and AIDS. Her work in these areas has spawned three major publications (among many others), one on HIV in sport the second, an anthology focusing on issues of sexual harassment in sport and the third, an edited book on fitness as a cultural phenomenon.

Karin is a very ambitious and hard working person. She is determined and perseveres until the job is done. She is also very bright and her training, both in Germany and in the United States, has provided her with superior credentials in her fields of specialization. With this as a foundation Karin has been able to produce a significant amount of work in a relatively short period of time. She has had several articles published in leading journals, she has given countless presentations, she has obtained funding from external sources, and she has had chapters published in various books on HIV, body culture, fitness, and on various other topics in the philosophy and sociology of sport. She has also established herself as an authority on sport and sexual harassment and her line of research has been quoted and cited extensively in the literature. In fact, it would not be an exaggeration to suggest that Dr. Volkwein may be one of the leading scholars in the world in this area of study.

Her vita/package of material provide a very detailed background of her accomplishments, contributions and experience. The quantity of her productivity alone, is impressive. However, her work also reflects a theoretical sophistication and depth of substance that can only come from thoughtful reflection, experience, and intellectual maturity. Karin has certainly reached this stage. This is further evidenced by the fact that she has been invited, over the past few years, to submit papers for publication and presentation, and to serve as organizer and discussant at conferences. And, her leadership activities with AAHPERD are particularly noteworthy.

I am especially impressed, however, by her involvement in interdisciplinary work both in English and German, and her liaison with universities in Germany and the States. Her contributions are well recognized on both sides of the Atlantic, which reflects well on her as a scholar and helps promote West Chester University on a global scale.

Dr. Volkwein maintains an excellent balance between high level theory and application. She is superbly trained in critical theory and has presented and published several papers on such topics as Marcuse's conception of play and aesthetics, the postmodern movement in the United States, and critical theory and sport. More importantly, and significantly, she is able to communicate this material in a manner that is both clear and comprehensible. To be able to articulate complex thoughts and ideas in such a manner suggests to me that Karin possesses a good understanding of the essential concepts inherent in such theoretical perspectives. While in some circles it is considered a mark of superior scholarship to discuss such matters in a manner that only very few can understand, I am of the opinion that unless we are able to communicate our work clearly and effectively to our colleagues, our students, and to society, we run the risk of alienating ourselves and, ultimately, the field itself. In her work Dr. Volkwein presents complex ideas in a clear manner without sacrificing the intellectual integrity of the subject matter.

As well as being a strong researcher, Karin is also an excellent teacher. While many of us in major research universities tend to stress the importance of scholarship, often at the expense of good teaching, the political backlash of recent events at several universities may compel us to be more accountable in the classroom. Since Dr. Volkwein-Caplan is both a good researcher and teacher, this problem will not arise in her case.

Dr. Volkwein-Caplan also contributes in significant ways through her outreach activity and involvement in university governance. She has served as chair of a number of major committees both within and outside the department, as well as in international professional societies such as the Executive Council of the International Council of Physical Education and Sport, among others.

Dr. Volkwein-Caplan has become a leading figure in her field. She demonstrates an excellent balance of scholarship, teaching and outreach activity and is a fine ambassador for West Chester University. Her international teaching experience, her excellent training and background, her superior publications/presentations record, her interdisciplinary work with Cologne, Heidelberg and Marburg and her commitment and creative

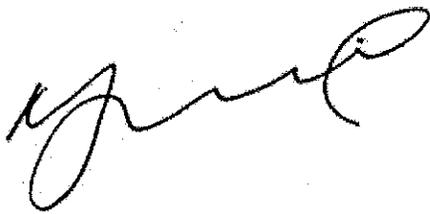
energy can only lead to greater achievements as she matures further and truly establishes herself as an international scholar of note.

In summary, one would be hard pressed to find many scholars today who have accomplished as much, especially of an interdisciplinary and international nature as Professor Volkwein-Caplan. She has produced 4 books, 13 book chapters, 27 refereed articles in prestigious journals, 22 funded grants, a score of invited international presentations and workshops and she has been a program/session organizer in at least a dozen conferences. She is a force to be reckoned with on both the national and international stage and a credit to West Chester.

Her contributions to her field, the university and her students are unquestionably meritorious and she is clearly an asset to West Chester University. I recommend her most strongly for the Trustees' Achievement Award.

If you have questions, or you would like to discuss my evaluation of Dr. Volkwein-Caplan further, please feel free to call me at 860-486-1117.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andrew Yiannakis', written in a cursive style.

Andrew Yiannakis, Ph.D.
Professor

fact alone illustrates the interdisciplinary nature of philosophy of sport, to which she has made a significant contribution.) Second, her willingness to advocate for justice and fairness in sport and physical education does a great service to her home discipline of kinesiology, by making her colleagues aware of the important moral dimensions of their field.

The new book on which she intends to work next year would further her work on gender issues by examining whether Title IX has led to an improvement in women's general standing in society, similar to the improvement for African Americans that followed the racial integration of sport. This is precisely the kind of innovative, socially conscious work for which I admire Dr. Volkwein-Caplan and that I would like to see rewarded by the Trustees' Achievement Award for Scholarship. I strongly recommend that her energetic and engaged work be recognized by this honor.

Sincerely,

Nicholas Dixon

Nicholas Dixon
Professor of Philosophy
Editor, *Journal of the Philosophy of Sport*