

# BUTLER AREA SCHOOL DISTRICT



**College Tech Prep over Two Decades of Success**

“College Prep For The  
Next Generation”



## Table of Contents

<u>Section</u>	<u>Page</u>
Letter to Students and Parents .....	2
Be Prepared For The NEW Job Market .....	4
What Is College Tech Prep? .....	5
What About College or Further Education?.....	5
Any College Connections or Credits?.....	6
What Does Articulation Mean For Me?.....	6
Articulation Agreements.....	8
Wondering About Careers?.....	10
Why Does A “Program Of Study” Matter? What Difference Could It Make?.....	10
How Do I Get Into College Tech Prep?.....	10
What Program Can I Take?.....	11
Program Descriptions and Course Sequences.....	12
Allied Health Technologies.....	13
Business Finance and Management.....	15
Child Development.....	17
Communication & Media Studies .....	19
Engineering-Related Technologies.....	22
Information Technologies.....	24
College Tech Prep Enrollment Form.....	27
Acknowledgments.....	29
Appendix – College Articulation Agreements.....	31
A) Butler County Community College.....	33
B) Erie Business Center.....	47
C) Indiana University of Pennsylvania.....	51
D) Penn State University, New Kensington Campus .....	63
E) Pittsburgh Technical College.....	73
F) Point Park University.....	77
G) The Art Institute of Pittsburgh.....	85

### **Title IX/Section 504 Statement**

Butler Area School District is an equal opportunity educational institution and will not discriminate on the basis of race, color, national origin, sex, age, or handicap in its activities, programs, or employment practices as required by Title VI, Title IX, and Section 504.

For information regarding civil rights or grievance procedures, contact Dr. Brian White Title IX Coordinator, or Mr. Aaron Royhab, Section 504 Coordinator, at 110 Campus Lane, Butler, PA 16001, (724) 287-8721. For information regarding services, activities, and facilities that are accessible to and usable by handicapped persons, contact Mr. Aaron Royhab at (724) 287-8721.

### **English As A Second Language (ELL)**

English Language Learners (ELL's) will receive instruction in the same curriculum areas as the district's English speaking students. Equity in providing for these students' successful achievement of the standards and graduation requirements will be addressed by the regular classroom teachers and/or the ELL teacher. The amount and type of ELL instruction provided will depend upon the student's level of language development and proficiency as determined by an appropriate English Language Proficiency assessment. Instruction will take place as a "pull out" activity or in the mainstream classroom with supportive services.



**BUTLER AREA SCHOOL DISTRICT**  
**College Tech Prep Coordinator**  
**120 Campus Lane, Butler, PA 16001, 724-214-3208**  
**COLLEGE TECH PREP PROGRAM**

Dear Students and Parents;

Anthony J. D'Angelo, a man who has sparked a revolution in higher education once said, "Become a student of change. It is the only thing that will remain constant." When the Butler Area School District initiated its College Tech Prep Program over twenty years ago, a decision was made to prepare students for the technology and workplace of the future.

College Tech Prep is a nationally recognized program designed to combine a high school program with at least two years of post-secondary education, while most continue on for a bachelor's degree. The curriculum not only encompasses a core of academics that parallels a traditional college-prep program, but also includes the skills and technology necessary to be successful in the challenges of the current day and future. Information is presented in such a manner that students understand the meaningful and realistic applications of knowledge and skills in various career or occupational settings.

Through College Tech Prep, our students are provided with a vehicle to accomplish their career goals. Please read through our handbook and look over our six programs. Consider becoming one of the four hundred plus students currently enrolled in our program, and one of the thousands of CTP graduates.

Sincerely,

Shannon McGraw  
College Tech Prep Coordinator





## College Tech Prep Prepares You for the Job Requirements of the Future

### *Be Prepared for the NEW Job Market:*

While no one knows what the future will bring, we do now what it will take to succeed – strong academic, technical, and employable skills, including **the ability to communicate effectively and work in teams.**

An increasing number of students today graduate from high school and head off to a four-year college with no specific occupational goals in mind. Lacking direction and appropriate preparation, many of them will not graduate. Of those who do complete their programs, many will graduate with a degree only to find that they have incurred high college-loan debts, and are still unprepared for the labor market they will be entering. A significant number of college graduates are returning to post-secondary institutions to pick up the technical skills needed. College Tech Prep prepares students for today's workforce without this unnecessary expenditure of time, money, and effort. College Tech Prep will prepare students for the challenges they will encounter in "the New Workplace" that will be their future!

#### **Elements of the New Workplace**

*[Mid-Atlantic Guide to Information on Careers (MAGIC)]*

Flexible  
Changing, little security  
Employees responsible for themselves  
Variety of incentives  
Self-employment  
Global economy  
Multiethnic, female influence  
Small employers/units  
Knowledge intensive  
Workers as human resources  
Participatory  
Lifelong learning  
Many duties, cross training common  
Focus on customer  
Value-driven

#### **Elements of the Old Work Place**

*[Mid-Atlantic Guide to Information on Careers]*

Structured  
Stable, secure  
Employer will take care of employees  
Financial incentives  
Work for others  
Local or national economy  
White, male influence  
Large employers  
Labor intensive  
Workers as instruments  
Hierarchical  
Education is completed  
Clear definition of duties  
Focus on product  
Dollar-driven

According to the Pennsylvania Department of Education, "by 2030, the U.S. will need to add 25 million skilled workers to the labor force to sustain current levels of economic growth." These workers will need to have advanced education in mathematics and written/verbal communication as well as in technical subject areas. "Economic projections point to a need for approximately 1 million more STEM professionals than the U.S. will produce at the current rate over the next decade if the country is to retain its historical preeminence in science and technology. –President's Council of Advisors on Science and Technology.

According to the Pennsylvania Department of Education, Bureau of Career and Technical Education, some of the high skill, high wage possibilities in technical fields that will be the opportunities of tomorrow are:

Advanced Manufacturing	Meme Agent
Big Data Doctor	Microbial Balancer
Biotechnology	Nano medic
Bot Lobbyist	Nanotechnology
Branding Manager	Privacy Consultant
Corporate Public Affairs Specialist	Productivity Counselor
Crowd Fundraising Specialist	Security Architect
Cyber Security Specialist	Security Engineer
Fiber Optics	Social Media Specialist
Future Currency Speculator	Special Events Coordinator
Industrial Robotics	Supply Chain Management
Media Planner	Vulnerability Assessor

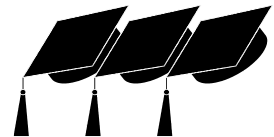
### ***What is College Tech Prep?***

College Tech Prep, short for College and Technical Preparatory, does not mean preparation for Vocational/Technical School, but preparation for careers in today's age of technology. College Tech Prep is a rigorous course of study that gives students a solid background of academics and technology to prepare them for the career challenges of the future. The programs are planned and sequential, building the skills necessary for today's technical job market.

College Tech Prep programs have been implemented nationwide. Students are encouraged, while they are in high school, to examine careers, select a strand, and enter a plan of study that will lead to that career. Course work is presented in such a manner that students understand the meaningful and realistic applications of knowledge and skills in various career or occupational settings. This means that information is presented in ways that lead clearly to connections between ideas so that more effective learning can occur.

Courses in mathematics, science, and English are combined with technical courses centering around the area of interest the student has selected. Technical preparation may be built around career clusters at the high school level, followed by courses at the post-secondary level that are more specific to the technology required for the student's chosen field.

### ***What About College or Further Education?***



College Tech Prep is designed to be an educational process that begins in high school and is completed after at least two years of college or technical education. Butler Area School District's College Tech Prep programs, 9-12<sup>th</sup> therefore, provide students with a sequence of studies throughout a minimum of two years of high school, with the expectation that the student will complete another two years of post-secondary education. Students who complete the College Tech Prep Program and earn a two-year post-secondary degree will be technically and academically prepared to enter into a profitable position in the workforce, or they may choose to continue their education toward a bachelor degree.

### ***Any College Connections Or Credits?***

The College Tech Prep Program has been developed in cooperation with local colleges and universities such as Butler County Community College, Erie Business Center, Indiana University of Pennsylvania, Penn State University, Pittsburgh Technical College, Point Park University, and The Art Institute of Pittsburgh. Through articulation agreements with these institutions, completion of the Butler Area School District's College Tech Prep Program guarantees a student's acceptance into their programs once all requirements are met, and/or credit for course work completed in high school. College Tech Prep students may, however, attend any post-secondary institution of their choice in the same manner as any other Butler Area School District graduate who meets the criteria of that institution.

A summary of the existing articulation agreements between post-secondary institutions and the College Tech Prep Programs may be found in the "Appendix" of this handbook.

### ***What Does Articulation Mean For Me?***

Articulation literally means a "joining." Articulation agreements between a high school and a post-secondary institution indicate a joining together of curricula to provide a continuous educational flow from one level to the next.

Butler Area School District has articulation agreements with local colleges for all of the College Tech Prep Programs. This means guaranteed acceptance into a participating post-secondary institution once all requirements are met and/or advanced college placement for high school students who have already mastered the skills, which are taught in introductory courses at the college level.



- Articulation eliminates unnecessary repetition of courses and training.
- Articulation can give you a head start on the courses required for college graduation.
- Articulation through participation in a College Tech Prep Program may enable you to take more advanced courses and to gain higher-level skills in post-secondary degree programs.

To articulate, you must:

- Complete all courses required in your College Tech Prep Program.
- Maintain the grade point average mandated by the participating college.
- Fulfill any other criteria required as stated in the agreement with the participating colleges.





**The College Tech Prep Program  
BUTLER AREA SCHOOL DISTRICT  
Articulation Agreements**

<b>Institution</b>	<b>CTP Strand</b>
The Art Institute of Pittsburgh 420 Boulevard of the Allies Pittsburgh, PA 15219 (412) 263-6600	Communications & Media Studies Engineering Related Technologies Information Technologies
Butler County Community College P.O. Box 1203 Butler, PA 16003-1203 (724) 287-8711	Allied Health Technologies Business Finance and Management Child Development Communications & Media Studies Engineering Related Technologies Information Technologies
Erie Business Center 246 West Ninth Street Erie, PA 16501-1392 (814) 456-7504	Business Finance and Management Information Technologies
Indiana University of Pennsylvania Northpointe Campus and Main Campus Indiana, PA 15705-1087 (724) 357-2100	Business Finance and Management Engineering Related Technologies Information Technologies
Penn State University New Kensington 3550 7th Street Road, RT 780 New Kensington, PA 15068-1798 (724) 334-5466	Allied Health Business Finance and Management Engineering Related Technologies
Pittsburgh Technical College 1111 McKee Road Oakdale, PA 15071 1-800-784-9675	Allied Health Technologies Business Finance and Management Communications & Media Studies Engineering Related Technologies Information Technologies
Point Park University 201 Wood Street Pittsburgh, PA 15222-1984 (412) 391-4100	Allied Health Technologies Business Finance and Management Child Development Communications & Media Studies Engineering Related Technologies

Butler Area School District programs were developed in cooperation with and/or have articulation agreements with the following institutions. Please see the Appendix for specific articulation criteria for each of the colleges/universities listed.

- Allied Health Technologies. Butler County Community College\* or any campus of Penn State University\*\* offering the Health-Related College Tech Prep Programs. Credits may be earned at Point Park University and if criteria are met.
- Business Finance and Management. Butler County Community College\*, Penn State University\*\*, Erie Business Center, or Indiana University of Pennsylvania.\*\*\* Credit may be earned and/or courses waived at Point Park University, Butler County Community College, and Pittsburgh Technical College if criteria are met.

Upon completion of an Associate of Arts Degree in Business at Indiana University of Pennsylvania, students may transfer all credits to pursue a baccalaureate degree in IUP's Eberly College of Business.\*\*\*

All credits earned in Penn State University's\*\* associate degree programs will transfer to Penn State's baccalaureate degree programs.

- Child Development Program. Butler County Community College\*. If criteria are met, credits can be earned at Point Park University.
- Communication and Media Studies. Credits may be earned at Butler County Community College\*, Point Park University, and The Art Institute of Pittsburgh if criteria are met.
- Engineering-Related Technologies. Associate degree programs at any campus of Penn State University\*\* offering the Engineering-Related Technology Program. Credits may be earned and/or courses waived at Art Institute, Butler County Community College, Indiana University of Pennsylvania Northpointe Campus, Pittsburgh Technical College and Point Park University if criteria are met.
- Information Technologies. Associate degree programs at Art Institute of Pittsburgh, Butler County Community College, Erie Business Center, and Indiana University of Pennsylvania.

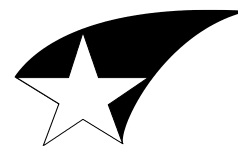
For specific details of an articulation agreement pertaining to an individual College Tech Prep program, please see the Appendix of this manual or call Dr. Brian Slamecka, Assistant Superintendent 7-12 (724-214-3106) or Shannon McGraw, College Tech Prep Coordinator (724-214-3208).

- \* = A listing of colleges and universities which have accepted Butler County Community College transfer students can be found in the Appendix of this handbook.
- \*\* = A chart showing the associate degree offerings at all Penn State campuses can be found in the Appendix of this handbook.
- \*\*\* = Students completing an Associate of Arts in Business at Indiana University of Pennsylvania may transfer all credits to any of the programs found in the Appendix of the handbook.

## ***Wondering About Careers?***

Career exploration will be pursued in a logical progression in grades 9-12. A variety of experiences will be employed including computer activities, classroom speakers, field trips to affiliated colleges and universities, on-site visits to appropriate businesses and industries, and job shadowing.

## ***Why Does A “Program Of Study” Matter? What Difference Could It Make?***



A report published through Duquesne University and the Pennsylvania Economy League states:

**Programs of study designed around career pathways can provide a student with a sense of direction and empowerment, in that the student takes a concrete, deliberate step (by selecting certain courses) in order to achieve a goal. A student that selects a program of study in high school as part of a deliberate decision will be more likely to be committed to the work that results from his/her decision.**

Along these same lines, Penn State researcher Ken Gray stresses the need for students to obtain a tentative career focus early so that they will commit more strongly to the preparation and work necessary to succeed. **Gray identifies lack of commitment associated with a clear goal as one of the four main reasons why students drop out of college.** Butler High School’s College Tech Prep Programs can help give students a focus and opportunity to explore career options.

## ***How Do I Get Into College Tech Prep?***

Students must have parent permission, along with teacher and counselor recommendation, to enroll in the College Tech Prep Program. Students must score proficient of the PSSA, successful completion of Pre-Algebra and must maintain at least a “C” average in his/her academic subjects. All students interested in College Tech Prep should carefully look over the information on pages 12-25 of this handbook regarding course sequence. **Academic strengths should be considered when selecting interest areas.** **Students with an interest in the Allied Health or Engineering professions should be aware that strengths in science and mathematics are especially beneficial for these programs.** Readiness for Algebra I by 9<sup>th</sup> grade is a minimum requirement in academics for all programs. Students may enroll in the College Tech Prep Programs when they schedule their classes for grades 9, 10, or 11.

Once enrolled in the program, students are expected to maintain a “C” average in all classes. Academics will be monitored, and students are encouraged to maintain effective communication with their teachers and attend tutoring sessions when offered. College Tech Prep students who do not maintain a “C” average will be placed on academic probation for the next school year until their grades improve, or they may be removed from the program. College Tech Prep students are also expected to conduct themselves in a manner conducive to a good educational environment. Students who repeatedly violate school rules may jeopardize their participation in the program.

### ***What Program Can I Take?***

Any Butler Area School District student enrolled in the College Tech Prep Program may choose to be in one of the following:

Allied Health Technologies

Business Finance and Management

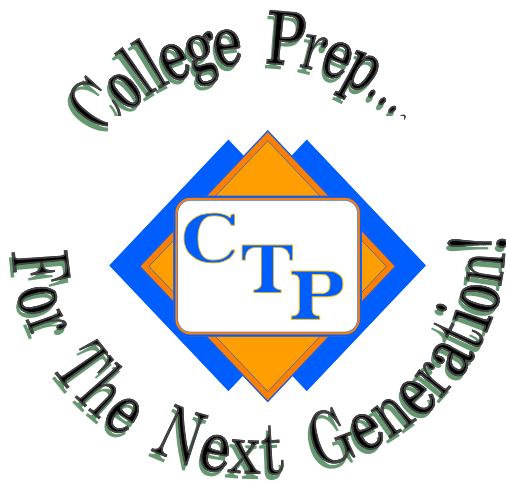
Child Development

Communication and Media Studies

Engineering-Related Technologies

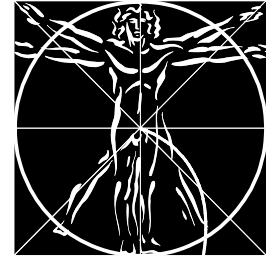
Information Technologies

College Tech Prep programs will prepare students for a two- or four-year degree program. **In addition to the programs outlined on the following pages, some colleges/universities do require or highly recommend at least two years of a world language.**



# *Program Descriptions and Course Sequences*

## ***Allied Health Technologies:***



Are you . . .

- Detail oriented? Flexible? Responsible? Patient?
- Able to work under pressure? Think independently?
- Able to make decisions that can be checked and measured?
- A good communicator (both orally and in writing)?
- Able to work independently and on a team?
- Able to inspire trust and confidence?

Do you . . .

- Enjoy work of a scientific and technical nature?
- Like using computers for record keeping?
- Work well with instructions that use words, numbers, diagrams, and chemical formulas?
- Find satisfaction in working with and helping people?

The Allied Health Technologies Program is designed to give students a foundation of academic courses with a particular focus on developing a strong background in the areas of math and science. The curriculum also reflects the use of computers and technology in today's health-related careers.

Some possible occupations would be:

Athletic Trainer	Nuclear Medicine Technologist
Audiologist	Nutritionist
Audiometric Technician	Occupational Therapist
Bioinformatics Specialist	Occupational Therapist Assistant
Biomedical Technologist	Ophthalmic Medical Assistant
Cardiovascular Technologist or Technician	Operating Room Technician
Chemistry Technologist	Orthodontic Technician
Chief Medical Technologist	Prosthetist/Orthotist/Profusionist
Cytotechnologist	Physical Therapist
Dental Hygienist	Physical Therapy Assistant
Dietitian	Public Health Specialist
Diagnostic Medical Sonographers	Radiation Therapy Technician
Dialysis Technician	Radiologist
EEG Technologist	Radiology Technician/Technologist
EKG Technician	Registered Nurse
Emergency Medical Technician	Respiratory Therapist/Technician
Forensic Scientist Technician	Speech-Language Pathologist
Geneticist	Supervisory Medical Technologist
Geriatric Care Manager	Surgeon's Assistant
Health Care Administrator	Surgical Technician/Technologist
Hospital Administrator	Tissue Technologist
Hospital Computer Operator	Toxicologist
Medical Lab Technician	Ultrasound Technologist
Medical Researcher	Veterinarian Assistant
Medical Supplies Salesperson	Veterinary Technician/Technologist
Microbiologist	
Microbiology Technologist	

# **ALLIED HEALTH TECHNOLOGIES PROGRAM SCOPE AND SEQUENCE**

**Students with an interest in the Allied Health professions should be aware that strengths in science and mathematics are especially beneficial for these programs.**

Subject	Grade 9	Grade 10	Grade 11	Grade 12
MATH	Algebra I or Any higher math	Geometry or Any higher math	Algebra II or Any higher math	Algebra III or Any higher math
ENGLISH	Academic or Honors English 9	Academic or Honors English 10	Academic or Honors English 11	Academic or Honors English 12
SCIENCE	Academic Biology or Any higher Science	Academic Chemistry or Any higher Science	Academic Physics or Any higher Science	Any Science
SOCIAL STUDIES	Academic or Honors World History to 1450	Academic or Honors World History 1450-Present	Modern American History, Academic (18 wks.) American Government, Academic (18 wks.)	Economics, Academic (18 wks.)
OTHER	Physical Education (18 wks.)	Physical Education (18 wks.) Personal Health*	Physical Education (18 wks.) Personal Health*	Physical Education (18 wks.)
TECHNICAL PROGRAM <i>(Required)</i>	Computer Applications I (18 wks) Computer Applications II (18 wks)	Forensic Science (18 wks)	Health Careers (18 wks)	Anatomy and Physiology (36 wks.) Molecular Biology (18 wks)
Recommended Electives  <i>(Not Required)</i>	CPR/First Aid Family & Prenatal Development Infant & Toddler Development		CPR/First Aid Early Childhood Adolescent Development Psychology Sociology	
* = Students take Personal Health in Grades 9-12.				



## ***Business Finance and Management:***

Are you . . .

- Decisive? Organized? Persuasive? Ambitious?
- Assertive, especially in getting information?
- Able to follow rules of ethics?
- Able to communicate orally and in writing?
- Able to work alone without direct supervision?

Do you enjoy . . .

- Meeting and working with people?
- Solving problems that use data or statistics?
- Working with computers?
- Managing and planning projects and group work?
- Creating new ways of presenting information?



The Butler Area School District's Business Finance and Management Program trains students in the critical thinking and problem-solving skills they need to enter today's business world. A broad-based foundation of College Tech Prep Academic and Business courses, as well as computer technology leads to opportunities to concentrate in the areas of Management and Finance.

Some possible occupations would be:

- |                                      |                             |
|--------------------------------------|-----------------------------|
| Accountant                           | Payroll Manager             |
| Analyst/Consultant                   | Paralegal/Legal Assistant   |
| Adjuster, Investigator, Collector    | Project Management          |
| Administrative Services Manager      | Public Relations Specialist |
| Advertising Manager                  | Purchaser and Buyer         |
| Auditor                              | Retail Manager              |
| Budget Analyst                       | Sales Representative        |
| Business Teacher                     | Statistics                  |
| Claim Adjuster/Examiner              | Marketing Research Analyst  |
| Clerical Supervisor/Manager          | Production Management       |
| Controller                           | Real Estate                 |
| Customer Service Representative      | Risk Manager                |
| Entrepreneur                         | Sales Promotion Specialist  |
| Financial Analyst/Planner            | Supply Chain Management     |
| Financial General Manager            | Underwriter                 |
| Government                           |                             |
| Healthcare Management                |                             |
| Human Resource Management            |                             |
| Industrial Manager                   |                             |
| Insurance Agent                      |                             |
| International Business/Banking       |                             |
| Labor Relations Specialist           |                             |
| Loan Officer/Counselor               |                             |
| Management Analyst/Consultant        |                             |
| Manager, Customer Technical Services |                             |
| Marketing Manager                    |                             |
| Market Research Analyst              |                             |

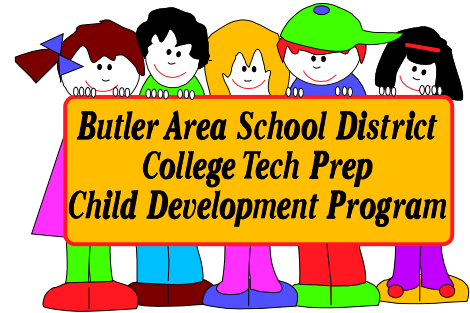
**BUSINESS FINANCE AND MANAGEMENT PROGRAM  
SCOPE AND SEQUENCE**

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
MATH	Algebra I or Any higher math	Geometry or Any higher math	Algebra II or Any higher math	Algebra III or Any higher math
ENGLISH	Academic or Honors English 9	Academic or Honors English 10	Academic or Honors English 11	Academic or Honors English 12
SCIENCE	Academic Biology or Any higher Science	Academic Chemistry or Any higher Science	Academic Physics or Any higher Science	Any Science
SOCIAL STUDIES	Academic or Honors World History to 1450	Academic or Honors World History 1450-Present,	Modern American History, Academic (18 wks.) American, Government, Academic (18 wks.)	Economics, Academic (18 wks.)
OTHER	Physical Education (18 wks.)	Physical Education (18 wks.) Personal Health*	Physical Education (18 wks.) Personal Health*	Physical Education (18 wks.)
Technical Program – Business Management and Finance				
Required Technical Program	Intro. to Business	Computer Applications I (18 wks.) Computer Applications II (18 wks.)	Accounting I	Choose One Option: Accounting II or Business/Marketing
Recommended Electives	Introduction to Programming		Accounting II Business Multimedia Communications Business Law Business Management/Marketing Personal Finance	
		Web Publishing		
* = Students take Personal Health in Grades 9-12.				

## ***Child Development Program:***

Are you . . .

Caring? A nurturer?  
Organized? Flexible?  
Good at communication skills?  
Patient? Creative?  
A good problem solver?  
Alert to potential hazards/dangers?  
Enthusiastic? Mature?



Do you enjoy . . .

Working with young children?  
Planning and leading the activities of others?  
Helping others acquire knowledge and skills?  
Making decisions?  
Developing and using play skills?  
Music? Art? Drama?

The Child Development Program gives students an opportunity to pursue an interest in early childhood education or other areas of study pertaining to children. Through a logical and progressively more in-depth study of the growth and development of children, students acquire a training that gives them an excellent background for continuing their education in an associate degree or baccalaureate degree program. A nine-week active participation experience in an early childcare setting gives students real experience in planning for and conducting interactions with young children.

Some possible occupations would:

Art Therapist  
Attendant, Children's Institution  
Camp Director  
Child Care Worker  
Child Psychologist  
Children's Book Author  
Children's Photographer  
Computer Software Designer (Child)  
Day Care Worker  
Day Care Supervisor/Owner  
Early Childhood Educator  
Elementary Education Teacher  
Elementary Guidance Counselor  
Family/Consumer Science Teacher  
Family Home Day Care  
Family Service Coordinator  
Head Start Teacher  
Juvenile Justice Attorney  
Librarian

Mental Health Professional  
Nanny  
Pediatric Nurse  
Preschool Teacher/Director  
Principal  
Reading Specialist  
School Social Worker  
Secondary Education Teacher  
Social/Welfare Worker  
Special Education Teacher  
Speech Pathologist

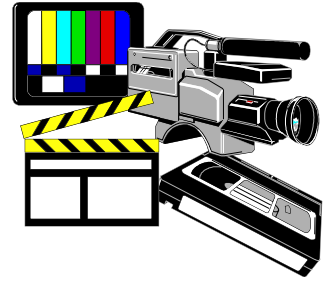
**CHILD DEVELOPMENT PROGRAM  
PROGRAM SCOPE AND SEQUENCE**

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
MATH	Algebra I or Any higher math	Geometry or Any higher math	Algebra II or Any higher math	Algebra III or Any higher math
ENGLISH	Academic or Honors English 9	Academic or Honors English 10	Academic or Honors English 11	Academic or Honors English 12
SCIENCE	Academic Biology or Any higher Science	Academic Chemistry or Any higher Science	Academic Physics or Any higher Science	Any Science
SOCIAL STUDIES	Academic or Honors World History to 1450	Academic or Honors History 1450-Present	Modern American History, Academic (18 wks.) American Government, Academic (18 wks.)	Economics, Academic (18 wks.)
OTHER	Physical Education (18 wks.)	Physical Education (18 wks.) Personal Health*	Physical Education (18 wks.) Personal Health*	Physical Education (18 wks.)
Child Development Program <i>(Required)</i>	Family & Prenatal Development (18 wks.)	Infant & Toddler Development (18 wks.)	Early Childhood (18 wks.) <b>and/or</b> Adolescent Development (18 wks.) <b>and</b> Field Experience Development	
Recommended Electives	CPR/First Aid Music Art Lifeguarding (Grade 10 only) Computer Applications I/II		Computer Applications I CPR/First Aid Lifeguarding Art Music Psychology Sociology	
* = Students take Personal Health in Grades 9-12.				

## ***Communication & Media Studies:***

Are you . . .

- Able to express yourself? Creative?
- Willing to work accurately and on schedule?
- Independent, yet able to be a team player?
- Able to use technology, journalism, and electronic communication?



Do you . . .

- Like to share ideas and information with others?
- Like working alone and with others?
- Enjoy speaking? Writing?
- Like solving problems? Work well under pressure?

The Communication and Media Studies Program introduces the student to many aspects of careers in Communications, including TV production, radio, public relations, and journalism. Emphasis is placed on skills that will provide a strong foundation for any of these areas as well as related fields such as advertising, business, and technological industries.

Some possible occupations would be:

Advertising Manager  
Advertising Sales  
Anchor/Reporter  
Announcer  
Audio Technician  
Assignment Editor  
Broadcast Journalist  
Camera Operator  
Classified Ad Representative  
Commentator  
Communications Technician  
Community Relations  
Control Technician  
Copy Writer  
Corporate Public Affairs Specialist  
Director of Education/Training  
Editor  
Electronic Publishing  
Electronics Communications  
Engineer, Studio Operations  
Market Researcher  
Marketing Specialist  
Media Interviewer  
Media Planner  
Media Production Specialist  
Media Relations Manager

News Analyst  
News Director  
News Photographer/Editor  
News Service Researcher  
News Writer  
Post Production Editor  
Press Agent  
Producer  
Program Director  
Public Relations Specialist  
Publicity Manager  
Publishing  
Radio Technician  
Sales Manager  
Script Writer  
Social Media Specialist  
Sound Engineering Technician  
Special Events Coordinator  
Sportscaster  
Station Director  
Talk Show Host  
Technical Filming/Video Taping  
Technical Writer  
TV Technician  
Video Engineer

**COMMUNICATION & MEDIA STUDIES PROGRAM  
SCOPE AND SEQUENCE**

Subject	Grade 9	Grade 10	Grade 11	Grade 12
MATH	Algebra I or Any higher math	Geometry or Any higher math	Algebra II or Any higher math	Algebra III or Any higher math
ENGLISH	Academic or Honors English 9	Academic or Honors English 10	Academic or Honors English 11	Academic or Honors English 12
SCIENCE	Academic Biology or Any higher Science	Academic Chemistry or Any higher Science	Academic Physics or Any higher Science	Any Science
SOCIAL STUDIES	Academic or Honors World History to 1450	Academic or Honors World History 1450-Present	Modern American History (18 wks.) American Government, Academic (18 wks.)	Economics, Academic (18 wks.)
OTHER	Physical Education (18 wks.)	Physical Education (18 wks.) Personal Health*	Physical Education (18 wks.) Personal Health*	Physical Education (18 wks.)
Strand 1 Technical Program – Journalism & Public Relations				
TECHNICAL PROGRAM (Required)	Introduction to Media Communications, Journalism I, Journalism II,	Journalism III		
Recommended Electives  (Not Required)	Intro to Video Production Computer Applications I/II Photography and Graphic Arts		TV/Video Production, Part I TV/Video Production, Part II Advanced TV Radio Production Computer Applications I	
		Web Publishing		
Strand 2 Technical Program – Broadcast Communications				
TECHNICAL PROGRAM (Required)	Intro to Media Communications (18 wks)  Intro to Video Production (18 wks)	Television Production I (18 wks) Television Production II (18 wks) Radio Production (18 wks) Advanced Television Production (18 wks)		
Recommended Electives (Not Required)	Photography and Graphic Arts, Computer Applications I/II,		Business Multimedia Communications, Computer Applications I,	
		Web Publishing		
* = Students take Personal Health in Grades 9-12				

## ***Engineering-Related Technologies:***

Are you . . .

- Able to follow detailed directions?
- Good in math and science?
- Able to communicate and get along with others?
- Able to work accurately, precisely, and on schedule?
- Able to picture objects in three dimensions?



Do you enjoy . . .

- Using tools and equipment? Building things?
- Both mental and physical activities?
- Solving problems? Making decisions?
- Figuring out how things work?

Engineering-related technologists organize people, materials, and equipment to solve technical problems, often working as part of a team with engineers and technicians. Engineering technicians assist engineers in planning and designing, or may help contractors in scheduling activities and inspecting work. The Engineering-Related Technologies Program at Butler Area School District gives students a foundation in College Tech Prep Academic and preparation in at least one engineering-related technology field with program options in Biomedical Equipment Technology, Electrical and Mechanical Engineering Technology, and Telecommunications Technology.

Some possible occupations would be:

Advanced Manufacturing	Industrial Engineering Technician
Aerospace Engineer	Instrumentation Technician
Associate Engineer	Laser Technician
Biomedical Engineer	Materials Science
Biotechnologies Engineer	Mechanical Design Engineer
Biotechnologies Technician	Mechanical Eng. Technologist
Calibration/Instrument Technician	Mechanical Technician
Chemical Engineer Technician	Nano Technology Engineer
Chemical Lab Technician	Nuclear Engineer
Chemistry Technologist	Optomechanical Technician
Civil Engineer	Petroleum Engineer
Civil Engineer Technician	Process Engineer
Computer-Aided Design Technician	Product Designer
Design Engineer	Production Manager
Designer Draftsman	Production Planner
Electrical Engineer	Quality Assurance Engineer
Electrical Technician/Technologist	Quality Control Technician
Electronics Engineer	Research and Development
Electronics Technician	Robotics Engineer
Engineering Technician	Sales Engineer
Environmental Engineer	Structural Engineer
Facilities Planner	System Engineer
Field Technician	Technical Representative
First Line Supervisor	Test Technician
Geotechnical Engineer	
Heat Transfer Technician	

# ENGINEERING-RELATED TECHNOLOGIES PROGRAM SCOPE AND SEQUENCE

**Students with an interest in the Engineering professions should be aware that strengths in science and mathematics are especially beneficial for these programs.**

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
MATH	Algebra I or Any higher math	Geometry or Any higher math	Algebra II or Any higher math	Algebra III or Any higher math
ENGLISH	Academic or Honors English 9	Academic or Honors English 10	Academic or Honors English 11	Academic or Honors English 12
SCIENCE	Academic Biology or Any higher Science	Academic Chemistry or Any higher Science	Academic Physics or Any higher Science	Any Science
SOCIAL STUDIES	Academic or Honors World History to 1450	Academic or Honors World History 1450-Present	Modern American History, Academic (18 wks.) American Government, Academic. (18 wks.)	Economics, Academic (18 wks.)
OTHER	Physical Education (18 wks.)	Physical Education (18 wks.) Personal Health*	Physical Education (18 wks.) Personal Health*	Physical Education (18 wks.)
Technical Program ( <i>Required</i> )	CAD 1	CAD II	Computer-Aided Architecture or Computer-Aided Engineering	Computer-Aided Architecture, Advance Architecture, Computer-Aided Engineering, Advanced Engineering, or Applied Engineering and Manufacturing
**IUP Northpointe Electro Optics Options	Algebra II or any higher math, Physics or any higher science			
Recommended Electives  <i>Select minimum of two courses</i>	Computer Applications I & II, Design and Manufacturing, Metalworking I Technology Design & Application, Transportation Technology	Computer Applications I, Advanced Architecture, Advanced Engineering, Applied Engineering and Manufacturing		
* = Student take Personal health in either 9-12 <sup>th</sup> grade.				
** = Refer to the CTP handbook for the complete IUP Northpointe Electro-Optics Articulation Agreement				



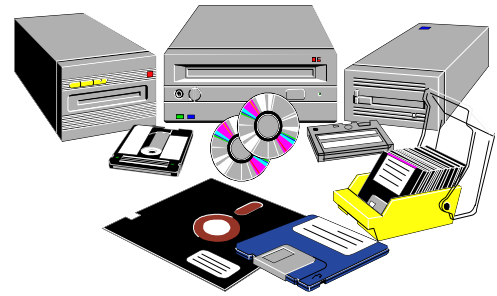
## ***Information Technologies:***

Are you . . .

- Logical?
- Creative in approaches to problem solving?
- Organized?
- Analytical?
- Able to document work effectively?

Do you like to . . .

- Work with computers?
- Deal with customer issues?
- Use communication skills orally and in writing?
- Research and gather information?
- Evaluate requirements and design solutions?
- Present information?



The College Tech Prep Information Technologies Program provides a strong academic foundation as well as a solid background in computers and technical skills. Students pursuing careers in this field must be able to adjust to the ever-changing needs of the future. The broad base of course work in this program will enable students to specialize in post-secondary studies. Problem solving skills are stressed as students work through exercises in preparation for computer systems and computer programming.

Some possible occupations would be:

Communications Analyst	Network Technician
Cryptographer	Penetration Tester
Data Analyst	Product Support Engineer
Data Systems Designer	Program Manager
Data Systems Manager	Programmer
Database Administrator	Sales Support Technician
Database Security Expert	Security Analyst
Decision Support Services	Security Architect
Desktop Publisher	Security Engineer
Document Specialist	Security Software Developer
Forensics Expert	Software Applications Specialist
Incident Responder	Systems Analyst
Information Systems Operator	Systems Analyst/Architect
Information Systems Planner	Technical Account Manager
Information Technology Engineer	Technical Support Specialist
Instructional Designer	Technical Writer
Media Specialist	User Interface User Experience
Multimedia Developer	Virtual Reality Specialist
Network Administrator	Vulnerability Assessor
Network Manager	

# INFORMATION TECHNOLOGIES PROGRAM SCOPE AND SEQUENCE

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
MATH	Algebra I or Any higher math	Geometry or Any higher math	Algebra II or Any higher math	Algebra III or Any higher math
ENGLISH	Academic or Honors English 9	Academic or Honors English 10	Academic or Honors English 11	Academic or Honors English 12
SCIENCE	Academic Biology or Any higher Science	Academic Chemistry or Any higher Science	Academic Physics or Any higher Science	Any Science
SOCIAL STUDIES	Academic or Honors World History to 1450	Academic or Honors World History 1450-Present	Modern American History, Academic (18 wks.) American Government, Academic. (18 wks.)	Economics, Academic (18 wks.)
OTHER	Physical Education (18 wks.)	Physical Education (18 wks.) Personal Health*	Physical Education (18 wks.) Personal Health*	Physical Education (18 wks.)
Strand 1 Technical Program – Information Technology Programming Strand				
Required Technical Program	Computer Applications I Introduction to Programming		Introduction to C++ Programming Intermediate C++ Programming Introduction to JAVA Programming Intermediate JAVA Programming	
Recommended Electives	Computer Applications II		Business Multimedia Communications	
		Web Publishing		
Strand 2 Technical Program – Information Technology Systems Strand				
Required Technical Program	Computer Applications I Computer Applications II		Business Multimedia Communications	
		Web Publishing		
Recommended Electives	Introduction to Programming		Introduction to JAVA Programming Intermediate JAVA Programming Introduction to C++ Programming Intermediate C++ Programming	
* = Students take Personal Health in either 9-12 <sup>th</sup> grade.				



## BUTLER AREA SCHOOL DISTRICT COLLEGE TECH PREP ENROLLMENT FORM

The Butler Area School District College Tech Prep Program will prepare students for occupations in the areas of: allied health technologies, business finance and management, child development, communication and media studies, engineering-related technologies, and information technologies. Students must have parent's permission, along with teacher and counselor recommendation, to enroll in the College Tech Prep Program. Eligibility requirements for students include the following:

1. They must score proficient on the PSSA.
2. Must have a "C" average in core academic subjects to qualify for admission to the program.
3. Good attendance and discipline records.
4. Parent permission along with teacher and counselor recommendations.

Once enrolled, students are expected to maintain at least a 2.0 grade point average in all of their courses. Students who do not maintain a 2.0 grade point average will be placed on academic probation for one year. Students who do not improve their grades to a 2.0 grade point average during the probation year will be removed from the program. College Tech Prep students are also expected to conduct themselves in a manner conducive to a good educational environment. Students who repeatedly violate school rules may jeopardize their participation in the program. Upon successful completion of the program, students will have several opportunities available to them, such as: entry into an Associate Degree, Technical School, or four-year college program. They may also choose to pursue an entry-level job. Students will be permitted to change their career strand.

**COLLEGE TECH PREP ENROLLMENT CONSENT:** By signing below, I (parent/guardian) consent to the enrollment of my son/daughter in the Butler Area School District College Tech Prep Program as follows:

**PERSONAL INFORMATION:**

(Please type or print legibly in ink)

Student's First Name	Student's M.I.	Student's Last Name	
Street	City	State – Zip	Telephone
Career Objective	Career Cluster (select one) <input type="checkbox"/> Allied Health <input type="checkbox"/> Business <input type="checkbox"/> Child Development <input type="checkbox"/> Communication <input type="checkbox"/> Engineering-Related <input type="checkbox"/> Information		
Student's Signature	Current Grade		Date
Parent/Guardian's Signature		Relationship	Date

**Please return completed form to:**

Intermediate High School Guidance Office  
Mrs. Shannon McGraw, College Tech Prep Coordinator



## ***ACKNOWLEDGMENTS***

- BMC Durfee High School College Tech Prep Handbook, BMC Durfee High School of Fall River, Fall River, MA
- <http://pa.cx.bridges.com> website
- Butler Area School District Curriculum Guide
- Butler County Community College
- The Career Connection for Technical Education, Fred A. Rowe, Ed. D., JIST Works, Inc., 1994.
- Career Development Center, SUNY, Buffalo State University, (website)  
[www.buffalostate.edu/offices/cdc/](http://www.buffalostate.edu/offices/cdc/)
- Career Exploration on the Internet, Elizabeth H. Oakes, Ed., Library of Congress, Cataloging-in-Publication Data, Ferguson Publishing Company, 1998
- *Career World*, a Publication of the Weekly Reader Corporation
- Center for Competitive Workforce Development at the Institute for Economic Transformation at the John F. Donahue School of Business at Duquesne University, and Workforce Connections, Pennsylvania Economy League
- “Choices” Career software, Careerware, Inc.
- Chronicle Occupational Briefs, Chronicle Guidance Publications, Inc., 66 Aurora Street, Moravia NY 13118
- Contextual Teaching Works!, Dale Parnell, CCI Publishing, 2000
- COPS II Interest Inventory
- The Enhanced Occupational Outlook Handbook, 2<sup>nd</sup> Edition, JIST Works, Inc. 1998
- Erie Business Center
- Exploring Tech Careers, Elizabeth Oakes, Project Editor; Andrew Morkes and Carol Yehling, Editors; Ferguson Publishing Company, 1998
- Indiana University of Pennsylvania
- Joseph Case High School and Bristol College Tech Prep Consortium College Tech Prep Handbook, Joseph Case High School, Swansea MA
- Mid-Atlantic Guide To Information On Careers
- Other Ways to Win, Kenneth C. Gray, Edwin L. Herr, Corwin Press, Inc., 1995
- Penn State University, New Kensington Campus

- Pennsylvania Department of Education, Bureau of Career and Technical Education, Systems Delivery Division
- Pennsylvania Department of Labor and Industry
- Pittsburgh Technical Institute
- Point Park University
- Robert Morris University
- Slippery Rock University
- Tech Prep, The Next Generation. Dan M. Hull and Julie Grevelle, Center for Occupational Research and Development, Inc., 1998
- The Art Institute of Pittsburgh
- U.S. Bureau of Labor Statistics

# APPENDIX



## COLLEGE ARTICULATION AGREEMENTS

- A. Butler County Community College (*Pg. 33*)
- B. Erie Business Center (*Pg. 47*)
- C. Indiana University of Pennsylvania (*Pg. 51*)
- D. Penn State University, New Kensington Campus (*Pg. 63*)
- E. Pittsburgh Technical College (*Pg. 73*)
- F. Point Park University (*Pg. 77*)
- G. The Art Institute of Pittsburgh (*Pg. 85*)





# Butler County Community College





## Articulation Agreement

Butler County Community College (BC3) and Butler Senior High School have entered into an articulation agreement to provide secondary school students with an opportunity to receive BC3 credit for the following programs and/or courses.


<u>Secondary School Course(s)</u>	<u>BC3 Course(s)</u>	<u>Credits Earned</u>
Accounting 1 and 2	ACCT 110: Survey of Accounting	3

### General Agreement Terms/Policies:

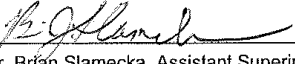
- Students wishing to receive BC3 credit under the terms of this agreement must meet the College's requirements for admission, plus any specific program requirements, if applicable.
- Secondary school students must earn the grade of A or B to be eligible to apply for and receive BC3 credit.
- Students will receive credit on their BC3 transcripts **after** successful completion of 12 college-level credits at BC3.
- Students must apply to receive the BC3 credits within two years after graduation from the secondary institution. Each student must contact the Office of Records and Registration to apply for articulated credits.
- Articulated credits will appear with a "P" on the official BC3 transcript.
- This agreement will be in effect for a period of two years from the date the agreement was signed.
- Should the secondary school's applicable programs and /or courses change prior to the expiration of the agreement, it is the responsibility of the secondary school to notify BC3 of these changes. BC3 will then evaluate the changes to determine if credit can still be awarded.
- This agreement is solely between the secondary school and BC3. BC3 cannot guarantee that articulated credits will transfer to other post-secondary colleges and universities.

**Program-Specific Terms/Policies:**

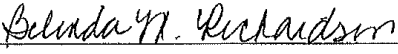
**Required Signatures:**

  
\_\_\_\_\_  
Dr. Brian White, Superintendent  
Secondary School Representative

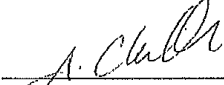
1/8/19  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Dr. Brian Slamecka, Assistant Superintendent  
Secondary School Representative

1/8/19  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Dr. Belinda Richardson, VP for Academic Affairs

12/17/18  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Dr. Christian Ola, Dean of Business

12/17/18  
\_\_\_\_\_  
Date

## ARTICULATION AGREEMENT

In order to provide secondary school students with a continuum of education without unnecessary duplication of instruction and delay in attaining educational/career objectives, **Butler County Community College** and **Butler Senior High School** have entered into this articulation agreement for the Early Childhood Education Program:

<b><u>Secondary School Course</u></b>	<b><u>BCCC</u></b>	<b><u>Credits</u></b>
Childhood Development I-II-III-IV	EDUC 102 Observation/Guidance	3
	EDUC 103 Children's Physical Growth	3

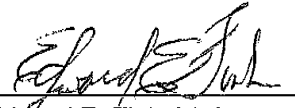
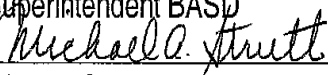
Before advanced credit can be awarded, the following conditions must be fulfilled:

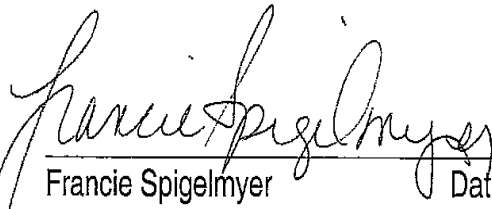
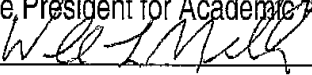
### **General**

1. Applicants for advanced credit must meet the College's requirements for admission, plus any specific program requirements, if applicable.
2. Application for advanced credit by articulation must be made within two years after coursework at the secondary institution has been completed.
3. Applicants will receive advanced credit on their transcripts after successful completion of 12 college credits at Butler County Community College and within two and one-half years after graduation from the secondary institution.
4. This agreement will be in effect until either of the two parties wish to revisit the terms of the agreement.

### Specifics

1. Students must have successfully completed high school courses with an A or B grade.
2. No grade appears on the transcript; however, course and credits are granted.
3. Each student must contact the Registrar's office at Butler County Community College to apply for advanced credit.

 5-30-08  
\_\_\_\_\_  
Edward E. Fink, Ph.D. Date  
Superintendent BASD  
 5/30/08  
\_\_\_\_\_  
Michael Strutt, Ph.D. Date  
Assistant Superintendent

 5-9-08  
\_\_\_\_\_  
Francie Spigelmyer Date  
Vice President for Academic Affairs  
 5-9-08  
\_\_\_\_\_  
William Miller Date  
Dean for Humanities/  
Social Sciences

## ARTICULATION AGREEMENT

In order to provide secondary school students with a continuum of education without unnecessary duplication of instruction and delay in attaining educational/career objectives, **Butler County Community College** and **Butler Senior High School** have entered into this articulation agreement for the Elementary Education Program:

<b><u>Secondary School Course</u></b>	<b><u>BCCC</u></b>	<b><u>Credits</u></b>
Childhood Development I-II-III-IV	EDUC 102 Observation/Guidance	3

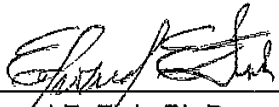
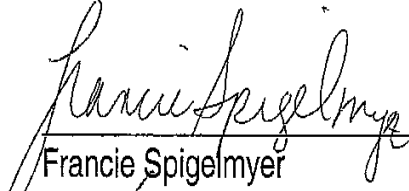
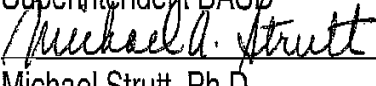
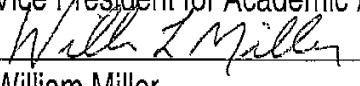
Before advanced credit can be awarded, the following conditions must be fulfilled:

### **General**

1. Applicants for advanced credit must meet the College's requirements for admission, plus any specific program requirements, if applicable.
2. Application for advanced credit by articulation must be made within two years after coursework at the secondary institution has been completed.
3. Applicants will receive advanced credit on their transcripts after successful completion of 12 college credits at Butler County Community College and within two and one-half years after graduation from the secondary institution.
4. This agreement will be in effect until either of the two parties wish to revisit the terms of the agreement.

## Specifics

1. Students must have successfully completed high school courses with an A or B grade.
2. No grade appears on the transcript; however, course and credits are granted.
3. Each student must contact the Registrar's office at Butler County Community College to apply for advanced credit.

	5-30-08		5-9-08
Edward E. Fink, Ph.D.	Date	Francie Spigelmyer	Date
Superintendent BASD		Vice President for Academic Affairs	
	5/30/08		5-9-08
Michael Strutt, Ph.D.	Date	William Miller	Date
Assistant Superintendent		Dean for Humanities/ Social Sciences	





## Articulation Agreement

Butler County Community College (BC3) and Butler Area High School have entered into an articulation agreement to provide secondary school students with an opportunity to receive BC3 credit for the following programs and/or courses.

Secondary School Course(s)	BC3 Course(s)	Credits Earned
Technical Drafting I Technical Drafting II CAD Engineering Architectural Drafting and Design	Technical Drawing w/AutoCAD (DRFT 120)	4

### General Agreement Terms/Policies:

- Students wishing to receive BC3 credit under the terms of this agreement must meet the College's requirements for admission, plus any specific program requirements, if applicable.
- Secondary school students must earn the grade of "B" or higher in each of the four courses to be eligible to apply for and receive BC3 credit.
- Students will receive credit on their BC3 transcripts after successful completion of 12 college credits at Butler County Community College.
- Students must apply to receive the BC3 credits within two years after graduation from the secondary institution. Each student must contact the Registrar's office at Butler County Community College to apply for articulated credits
- Articulated credits will appear as a "P" grade on the BC3 transcript.
- This agreement will be in effect for a period of two years from the date the agreement was signed.
- Should the secondary school's applicable programs and /or courses change prior to the expiration of the agreement, it is the responsibility of the secondary school to notify BC3 of these changes. BC3 will then evaluate the changes to determine if credit can still be awarded.
- This agreement is solely between the secondary school and BC3. BC3 cannot guarantee that articulated credits will transfer to other post-secondary institutions.

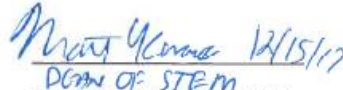
**Program-Specific Terms/Policies:**

All four Butler Area High School drafting courses must be taken with a grade of "B" or higher to receive credit for Technical Graphics w/AutoCAD (DRFT 120).

**Required Signatures:**

  
Assistant Superintendent      Date

  
Superintendent      Date

  
BC3 Representative      Date

  
BC3 Representative      Date

## **ARTICULATION AGREEMENT**

In order to provide secondary school students with a continuum of education without unnecessary duplication of instruction and delay in attaining educational/career objectives, **Butler County Community College** and **Butler High School** have entered into this articulation agreement for the following program(s) and/or courses:

<b><u>SECONDARY SCHOOL COURSES</u></b>	<b><u>BC3 COURSE</u></b>	<b><u>CREDITS</u></b>
[Biology, Chemistry, Honors Anatomy and Physiology], or [Chemistry, CTP Biology/Chemistry, CTP Anatomy & Physiology]	Basic Human Structures	3
Computer Applications I, Computer Applications II, Microsoft Word, Microsoft Excel, and Microsoft PowerPoint/Outlook	Introduction to Microcomputing	3
Introduction to JAVA Programming, Introduction to C++ Programming, Intermediate C++ Programming	Programming in C++	4
Introduction to Business, Business Law, Business Marketing/Management	Introduction to Business	3

Before advanced credit can be awarded, the following conditions must be fulfilled:

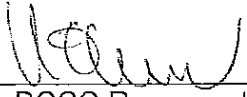
### **GENERAL**

1. Applicants for advanced credit must meet the College's requirements for admission, plus any specific program requirements, if applicable.
2. Application for advanced credit by articulation must be made within two years after coursework at the secondary institution has been completed.
3. An applicant will receive advanced credit on his/her transcript after successful completion of twelve credits at Butler County Community College.
4. Butler High School will notify the College of any modification in the articulated programs(s) and/or courses during the term of the agreement, to include course content and/or change of instructor.
5. This agreement will be in effect until either of the two parties wish to revisit the terms of this agreement.

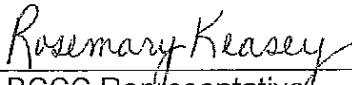
# SPECIFICS

1. Students who desire advanced credit for Basic Human Structures must have attained a minimum grade of "B" in the **each** of the BHS courses in **one** of the following sets of courses: [Biology, Chemistry, and Honors Anatomy and Physiology] or [Chemistry, CTP Biology/Chemistry, and CTP Anatomy & Physiology].
2. Students who desire advanced credit for Introduction to Microcomputing must have attained a minimum grade of "B" in **each** of the BHS courses Computer Applications I, Computer Applications II, Microsoft Word, Microsoft Excel, and Microsoft PowerPoint/Outlook.
3. Students who desire advanced credit for Programming in C++ must have attained a minimum grade of "B" in **each** of the BHS courses Introduction to JAVA Programming, Introduction to C++ Programming, and Intermediate C++ Programming.
4. Students who desire advanced credit for Introduction to Business must have attained a minimum grade of "B" in **each** of the BHS courses Introduction to Business, Business Law, and Business Marketing/Management.
5. Students who do not enroll at BC3 within twelve months of graduation from Butler High School must successfully pass the Proficiency Exam in the appropriate course(s) in order to receive advanced credit, regardless of the grade received from Butler High School.
6. No letter grade will appear on the student's transcript for advanced credit courses; however, the course(s) and credits will be granted.
7. Each student must contact the Office of Records and Registration at Butler County Community College to apply for advanced credit.

  
 Secondary School Representative \_\_\_\_\_ Date \_\_\_\_\_

 3-20-06  
 BCCC Representative \_\_\_\_\_ Date \_\_\_\_\_

 4-20-06  
 Secondary School Representative \_\_\_\_\_ Date \_\_\_\_\_

 3-22-06  
 BCCC Representative \_\_\_\_\_ Date \_\_\_\_\_

## ARTICULATION AGREEMENT

In order to provide secondary school students with a continuum of education without unnecessary duplication of instruction and delay in attaining educational/career objectives, **Butler County Community College** and **Butler Senior High School** have entered into this articulation agreement for the following program(s) and/or courses:

<u>SECONDARY SCHOOL COURSES</u>	<u>BC3 COURSE</u>	<u>CREDIT</u>
Algebra I and Algebra II (new names/same content & delivery 12/11/13)		
CTP Algebra I and CTP Algebra II (and score in the math 102 range or higher on the BC3 math placement test)	Math 101, College Algebra, Math 117, Technical Math I	3
Pre Calculus Part I and Pre Calculus Part II or Honors Pre Calculus (and score in the math 102 range or higher on the BC3 math placement test)	Math 102, Trigonometry and Functions, Math 118, Technical Math II	3
Honors Chemistry	Chem 112, Descriptive Chemistry	4
CTP Physics	Phys 112, Descriptive Physics	4


Before advanced credit can be awarded, the following conditions must be fulfilled:

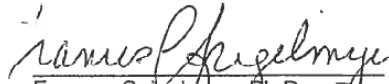
### General

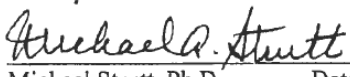
1. Applicants for advanced credit must meet the College's requirements for admission, plus any specific program requirements, if applicable.
2. Application for advanced credit by articulation must be made within two years after coursework at the secondary institution has been completed.
3. Applicants will receive advanced credit on their transcripts after successful completion of 12 college credits at Butler County Community College and within two and one-half years after graduation from the secondary institution.
4. This agreement will be in effect until either of the two parties wish to revisit the terms of the agreement.

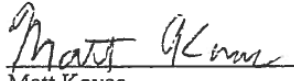
### Specifics

1. Students must have successfully completed high school courses with an A or B grade.
2. No Grade appears on the transcript; however, course and credits are granted.
3. Each student must contact the Registrar's office at Butler County Community College to apply for advanced credit.

  
Edward E. Fink, Ph.D. Date  
Superintendent

 5-23-12  
Frances Spigelrover, Ph.D. Date  
Vice President of Academic Affairs

 5/21/12  
Michael Strutt, Ph.D. Date  
Assistant Superintendent

 5/23/12  
Matt Kovac Date  
Interim Dean

# Erie Business Center







**Articulation Agreement  
between  
Erie Business Center  
And  
Butler Area School District**

Erie Business Center (EBC) and Butler Area School District do hereby enter into the following general articulation agreement to provide students with the opportunity to earn advanced placement credit toward completion of Associate in Specialized Business (ASB) degree programs at Erie Business Center according to the provisions described herein.

The undersigned educational institutions agree to cooperate in establishing course objectives, requirements, and standards for secondary courses identified within this agreement to ensure that equivalent competencies are achieved. Erie Business Center will be solely responsible for establishing requirements necessary to complete its academic programs.

Erie Business Center agrees to provide and process applications for advanced placement in a timely manner. To be eligible for advanced placement credit, a student must meet all admission requirements in effect at the time of application and be enrolled in an Erie Business Center program within one year after graduation from Butler Area School District.

<b>Erie Business Center Course No. &amp; Title</b>	<b>Butler Area School District Course No. &amp; Title</b>	<b>Credits</b>
AC110 Accounting I	Accounting II	3
BA110 Introduction to Business	Introduction to Business	3
BA130 Economics	Honors Economics	3
CS112 Word Processing I	Microsoft Word	3
CS135 Web Page Design I	Business Computer Systems & Multimedia Tech.	3
CS140 C++ Programming I	Intermediate C++ Programming	3
LA210 Oral Communications	Speech/Interpretation/Debate	3
MA106 Math I	Business Mathematics	0
MA110 Business Mathematics	Business Mathematics	3
MA140 Algebra	Technical Algebra II or Algebra II	3
MA240 Statistics	Advanced Placement Statistics	3

Erie Business Center will award academic credit upon successful completion of the first semester at EBC to students who have demonstrated mastery of agreed upon competencies by completing high school courses identified above with a grade of B or better. Furthermore, the following guidelines shall be observed:

- Credits awarded as a result of this agreement will appear as transfer credits on the student's official transcript. They will count toward completion of the EBC program but will not be used to calculate the student's grade point average.
- Students will not be charged tuition or fees for the advanced placement credits earned as a result

Revised 12/01

of this agreement.

- Prior to receiving credits for Keyboarding, students enrolling in Secretarial, Transcription, Paralegal, and Medical Assistant ASB degree programs will be required to demonstrate their ability to type at least 40 w.p.m. accurately through a five-minute timed writing.

In support of this agreement, Erie Business Center agrees to provide counseling on course of study, career options, and placement statistics. Butler Area School District agrees to explain to participating students and/or allow EBC representatives to explain the advantages and provisions contained in this agreement.

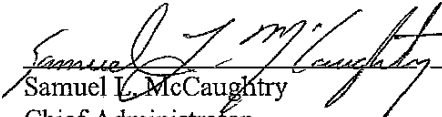
Erie Business Center and Butler Area School District will review periodically the provisions contained in and articulated competencies attached to this articulation agreement.

Erie Business Center and Butler Area School District will alter the competencies and/or provisions of this agreement only upon mutual written consent. It is understood that any revisions will not adversely affect students already covered under the provisions of the existing agreement.


Either party may terminate this agreement upon six months written notification to the other party. Students in progress will be permitted to complete the program should such termination of agreement occur.

**ERIE BUSINESS CENTER**

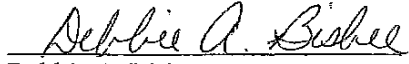
**BUTLER AREA SCHOOL DISTRICT**

  
Samuel L. McCaughtry  
Chief Administrator

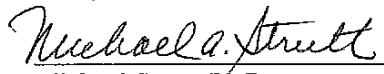
Date

  
Edward E. Fink, Ph.D.  
Superintendent

Date

  
Debbie A. Bisbee  
Director of Academics

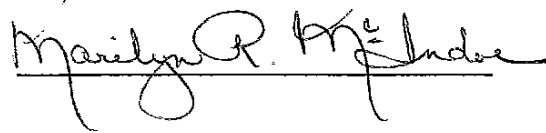
Date

  
Michael Strutt, Ph.D.  
Assistant Superintendent

Date

**Witness:**





Revised 12/01

# Indiana University of Pennsylvania





**INDIANA UNIVERSITY OF PENNSYLVANIA  
EBERLY SCHOOL OF BUSINESS AND INFORMATION TECHNOLOGY**

College Tech Prep students completing an Associate of Arts in Business at Indiana University of PA can transfer all credits to any of the following programs:

**Department of Accounting**

Bachelor of Science of Business majoring in Accounting

**Department of Finance and Legal Studies**

Bachelor of Science in Business majoring in Finance

Bachelor of Science in Business majoring in Business/Pre-Law

**Department of Management**

Bachelor of Science in Business majoring in Management

Bachelor of Science in Business majoring in Human Resources Management

Bachelor of Science in Business majoring in International Business

**Department of Management Information Systems and  
Decision Sciences**

Bachelor of Science in Business majoring in Management Information Systems

**Department of Marketing**

Bachelor of Science in Business majoring in Marketing

**Department of Technology Support and Training**

Bachelor of Science in Business majoring in Technology Support

Bachelor of Science in Education majoring in Business Education

# INDIANA UNIVERSITY OF PENNSYLVANIA

## Tech Prep Articulation Agreement

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Butler Area School District  
Secondary Institution

### **Introduction:**

Tech Prep is a cooperative, 2 + 2 (2 years secondary, 2 years post secondary), competency-based curricular program resulting in an associate degree or certificate. An articulation agreement defines the relationship between the secondary and post secondary institutions once the curricular and other components are in place and a complete program is open to student enrollment. The articulation agreement specifies clearly the responsibilities of the secondary and post secondary institutions.

### **Targeted Population:**

The Tech Prep curriculum sequence will be promoted in the secondary institution among all students, which includes specifically the middle 50-60%. In this context, Indiana University of Pennsylvania agrees to furnish marketing materials. IUP representatives will meet when requested and when feasible with interested students, teachers, guidance counselors, administrators, parents, and members of the school board to promote the Tech Prep program at the secondary institution.

### **Career Development:**

IUP will collaborate with secondary school staff to provide additional career development activities for identified Tech Prep students. These activities may include school to work experiences and worksite learning. At the post secondary level, Tech Prep students will be expected to participate in specific workshops offered by Career Services to facilitate development of resumes, interviewing skills, portfolios of work experience and other services designed to enhance placement in the workforce within the discipline of academic and technical study.

**Tech Prep Student Identification:**

Students at the secondary level will be encouraged to select the Tech Prep course of study as early as the freshman year, although enrollment can occur as late as the junior year if the student demonstrates the requisite competencies. The secondary institution, working with IUP, will identify students who have selected the Tech Prep program.

**Expected Program Outcomes:**

IUP, working collaboratively with secondary faculty, guidance counselors, and administrators and appropriate representatives of business and industry, will maintain mutually approved scope and sequence instructional models for the various Tech Prep Programs with specific competencies. These competencies will be reviewed and approved by the appropriate technical advisory groups on an annual basis. Recommended changes will be shared with all appropriate individuals.

**Admission to Indiana University of Pennsylvania:**

High school students who will be covered through this agreement must:

- (1) Complete a Tech Prep program that was developed in conjunction with IUP.
- (2) Complete an application for admission to Indiana University of Pennsylvania, within one year after high school graduation, for the program specific to the secondary Tech Prep cluster.
- (3) Take the Scholastic Aptitude Test (SAT) and direct the scores to Indiana University of Pennsylvania.
- (4) Complete all application materials in accordance with specified deadlines.

Consortium staff will provide specially coded IUP Tech Prep applications to the secondary institution. The application fee will be waived for Tech Prep students submitting the coded applications. High school students who adhere to the above mentioned procedures will be guaranteed admission to the program specific to their secondary Tech Prep preparation.

**Additional Assistance to Tech Prep Students:**

Diagnostic Testing - All students admitted to Indiana University of Pennsylvania must be tested diagnostically in the areas of mathematics, writing, and reading to determine appropriate course placement. Tech Prep students can request diagnostic testing in the junior or senior year. If diagnostic testing reveals deficiencies: (1) program competencies may need to be reassessed, (2) students can take appropriate courses at the secondary level or upgrade skills through access to laboratory supports at Indiana University of Pennsylvania, e.g. use of tutorial assistance, software, videotapes; these services of the University will be available at no cost to the student.

## Student Placement Options:

### Associate of Arts in Business:


Identified Tech Prep students who enroll at IUP in accordance with the procedure previously defined will be provided two placement options:

1. Upon successful demonstration of defined competencies, students will be permitted to exempt selected courses and replace those courses with advisor approved advanced level courses. See attachment A. Upon graduation, students choosing this option will receive a Tech Prep advanced skill certificate in addition to their associate of arts degree.
2. Upon successful demonstration of defined competencies, students can elect to have credits posted for identified courses, thereby completing the associate degree in a shorter time period. Credits earned through competency demonstration will be posted to a student's transcript upon successful completion of his/her first semester's enrollment.

### Termination of the Articulation Agreement:

The articulation agreement, as specific above and in referenced supportive documents, is binding. Termination of the articulation agreement can be initiated by either party and becomes effective the end of the academic year in which written notice to terminate is received. All obligations to students who are at that time enrolled in the Tech Prep program at either the secondary or post secondary level must be honored.

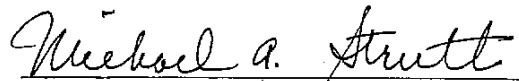
This articulation agreement is entered into this 12<sup>th</sup> day of September 2000.



Dr. Mark Staszkievicz, Provost  
Indiana University of Pennsylvania



Dr. Edward Fink Jr., Superintendent  
Butler Area School District



Dr. Michael Strutt, Assistant Superintendent  
Butler Area School District



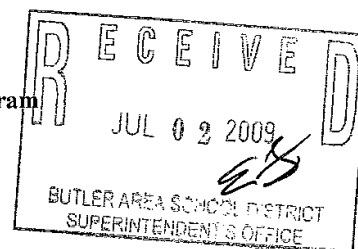
**Computer and Office Information Systems  
Tech Prep Associate of Arts Degree**

<b>First Semester</b>	<b>Credits</b>
College Writing	4
*Foundations of Business Mathematics	3
or	
Calculus I for Business, Natural, and Social Sciences	4
*Microbased Computer Literacy	3
Principles of Accounting I	3
History: The Modern Era	3
	16-17
 <b>Second Semester</b>	
Introduction to Business	3
Principles of Accounting II	3
Foundations of MIS	3
Advanced Software Applications	3
Philosophy or Religious Studies Elective	3
	15
 <b>Third Semester</b>	
General Psychology	3
Principles of Economics II	3
*Electronic Office Procedures	3
Non-Western Culture Elective	3
Internet & Multimedia	3
	15
 <b>Fourth Semester</b>	
Business Technical Writing	3
Fine Arts Elective	3
Advisor Approved Elective	3
Free Elective	3
Free Elective	3
	15
 <b>Total Credits for the IUP Tech Prep Associate of Arts Degree in Business</b>	 <b>61-62</b>

*\*Tech Prep students can replace this course with an advanced level/advisor-approved substitution or have credits posted after specified competencies have been met.*

## TECHNOLOGY PREPARATION ARTICULATION AGREEMENT

for  
Electro-Optics  
between  
Butler Area School District College Tech-Pre Program  
and  
Indiana University of Pennsylvania



### **Introduction:**

The 2+2+2 (2 years secondary + 2 years post secondary-associate's degree + 2 years post secondary-bachelor's degree) Pennsylvania Integrated Workforce Leadership Program is a competency-based, curricular, technology-preparation program in which students can earn a certificate in Electro-Optics, an associate's degree in Electro-Optics, or a bachelor's degree in Applied Physics with a track in Electro-Optics (EO). The program offers the versatility of multiple entrance and exit points. After completion of each educational level, students can exit the program with various skill levels. Indiana University of Pennsylvania (IUP) serves as both the associate's degree and bachelor's degree granting institution. The articulation agreement defines the relationship between the secondary and post-secondary institutions. The agreement specifies clearly the responsibilities of the secondary and post-secondary institutions.

### **Targeted Population:**

The target population includes the students enrolled in the College Tech Prep Program at the Butler Area High School. The College Tech Program originated at the Butler Area High School in 1997. Seventy-two students participated the first year. It has continued to grow in enrollments throughout the past twelve years, and currently over 600 of the 2600 students enrolled at the Butler Area High School are in the College Tech Prep Program. The Tech Prep curriculum sequence will be promoted by the College Tech Prep Coordinator and will be included in the BASD Handbook for College Tech Prep Students and Parents.

BASD provides a variety of activities to inform potential students about the programs offered at the school as well as promote career awareness. During the fall semester, BASD holds a college fair and the 2+2+2 program is promoted at this event. Representatives from BASD also conduct classroom presentations and attend various career and informational events offered at the cooperating schools. The school's administrators, instructors, and staff also meet with interested students in Electro-Optics, math and science teachers, guidance counselors, parents, and members of the school board to promote the 2+2+2 EO program at the secondary institution. Promotional materials are provided by IUP.

At the post-secondary level, IUP provides recruitment and informational activities to students, parents, and teachers. IUP provides field trips to the IUP Northpointe Regional Campus for junior high school and senior high school science and math classes. The Electro-Optics Science Experience, which is conducted in Northpointe's state-of-the-art Electro-Optics labs, is designed to introduce students to careers in science. During this field trip, students have the opportunity to participate in hands-on laboratory experiments involving such technology as: lasers, night vision, and spectrometers. In addition, the university schedules parent information sessions to increase awareness of the career and educational opportunities offered through the 2+2+2 Electro-Optics program. Electro-Optics workshops for science teachers and guidance counselors are also offered throughout the year, which provides information that can be taken back to their classrooms and schools.

**Career Development:**

IUP staff and administration and the BASD staff will work with local and national EO companies and with the Penn State Electro-Optics Center (EOC) to identify summer work experiences and job shadowing opportunities for students at all stages of the pipeline. BASD and IUP personnel will make information about career and technical program options available to any interested students. Students entering the first stage of the EO pipeline will also be strongly encouraged to participate in a one-week summer Electro-Optics camp held annually at IUP Northpointe Regional Campus.

**Tech Prep Electro-Optics Student Identification:**

Students are admitted to the program based upon a comprehensive review of their overall academic success and recommendations from their teachers and counselors. The students 8<sup>th</sup> grade PSSA score may also be submitted as further evidence of achievement. IUP and BASD personnel work with local guidance counselors and science teachers to identify 9<sup>th</sup> and 10<sup>th</sup> grade students who are potential candidates for the program based on their interest and the likelihood of them meeting the expected entrance requirements before 11<sup>th</sup> grade. Interested students in these grades will also be strongly encouraged to apply for the Electro-Optics Summer Camp held in June. Students who are interested in the program, but who are not likely to meet the entrance requirements by the start of 11<sup>th</sup> grade, will be advised to take advantage of remediation opportunities. They may enter the pipeline when they are able to meet the entrance requirement.

**Expected Program Outcomes:**

The 2+2+2 EO partnership program is expected to increase both student enrollments and students academic preparedness at both the secondary and post-secondary institutions. The multiple-pathway pipeline design should also reduce student attrition levels at the post-secondary institution. The result will be more qualified Electro-Optical technicians and engineers for the growing Western Pennsylvania Electro-Optics industry. To accomplish this, IUP's staff will work closely with the staff at BASD to maintain mutually approved and developed curriculum materials in conjunction with the specific competencies which must be demonstrated by students before moving on to the next level. Required competencies will be reviewed by the EO Industrial Advisory Board and approved on an annual basis. Updates to the curriculum and/or competency requirements will be disseminated to school district administrators, guidance counselors, and science teachers, as well as to local EO companies.

**Admission to the IUP Electro-Optics Program:**

High-school students who will be covered by this agreement must:

1. Be given the opportunity to transfer a minimum of 15 credits toward the Associate's Degree in Electro-Optics, as specified by the Pennsylvania Department of Community and Economic Development (DCED) 2+2+2 grant terms. These courses are to include: four Electro-Optics courses along with one Advanced Placement (AP) Equivalency course with appropriate exam score. The Electro-Optics courses and information are as follows:

**Butler Area School District****Secondary School Course****IUP Northpointe****Credits**

CTP Algebra II and CTP Physics I and II	PHYS 100 - Prelude to Physics	3
Electronics	EOPT 125 - Intro to Electronics-Analog Circuits	4
Digital Electronics	EOPT 126 - Electronics II-Digital Circuits	3
Geometric Optics	EOPT 110 - Geometric Optics	3

(EOPT 126 is a new course that is currently going through the University-Wide Undergraduate Curriculum Committee approval process, and it will be listed as PHYS 481 - Special Topics in Physics until the approval process is completed. Changes to the curriculum have been made since the inception of the program with Lenape in an effort to align the program with the capabilities of the individual schools. However, each articulation agreement will assure seamless articulation from the secondary schools into IUP's program.)

Students must receive at least a "C" in each EO course in order to receive college credits. Students must successfully complete each AP course and score at least a "3" on the AP exam in order to receive IUP credits. In accordance with standard university practice, credits only, not grades, will be recorded on the IUP academic record.

2. Complete an application for admission to Indiana University of Pennsylvania in accordance with specified deadlines indicating Electro-Optics as the selected major.
3. Successfully complete the mathematics placement exam administered to all incoming IUP-EO students.

High-school students who adhere to the above procedures will be guaranteed admission to the program, provided that they also meet basic IUP entrance requirements.

**Additional Assistance to Tech Prep Students in the EO Pipeline:**

1. Guarantee of competency: The 2+2+2 program must offer a guarantee or warranty for the graduates at each educational level. The guarantee provides for the retraining of individuals who become employed or who enroll in the next sequence of education, in the event of employer or institutional dissatisfaction within the first 90 days. This guarantee will be used to assure the academic and technical competencies of individuals who complete each stage of the program. Under DCED guidelines, this warrantee shall provide for:
  - a. Up to 15 credits of instruction, or its equivalent at the secondary level, for graduates who must be re-trained in certain courses. Post-secondary instruction must occur at that academic level and/or attainment of a related skill certificate. This instruction could take the form of the student 'auditing' the course.
  - b. Free tuition for the re-training credits.
  - c. A 90-day evaluation period, during which time the employer or educational institution can determine the capabilities of the graduate.
2. Mathematics, Reading, and English Remediation: Students who do not meet mathematics requirements will be able to access the PLATO on-line mathematics sequence and will also be referred to the appropriate math course at either IUP or BASD. If the student is admitted to the 2+2+2 program and does not score "Proficient" or "Advanced" on the PSSA math, reading, and English sections as an 11<sup>th</sup> grader, the secondary school will provide remediation to that student in the 12<sup>th</sup> grade. It is expected that the additional tutoring (PLATO, teacher-student, alternate method in place at the school) will result in the student achieving the "Proficient" or "Advanced" on the re-take.
3. Student Advising: IUP and BASD faculty members will provide academic advisement and guidance to students and guidance counselors to ensure all the required coursework is taken in proper sequence.

**Student Placement Options:**

Identified EO pipeline students who enroll at IUP in accordance with the previously defined procedure will be provided with the following placement options:

1. Upon successful completion of the defined competencies, students can elect to have credits posted for identified courses; thereby, completing the associate's degree in a shorter time period. Credits earned through competency demonstration will be posted to a student's academic record upon successful completion of his/her first semester's enrollment.
2. Students may elect to exit the pipeline after the first 2-year stage (secondary school) and receive a certificate of basic competency from BASD if he/she has successfully met competency requirements for that stage.
3. The awarding of credits included in this agreement may only be applied at IUP to the Associate in Applied Science in Electro-Optics or Associate in Science in Electro-Optics degree programs. The credits earned in this agreement may not be accepted or applicable to other degree programs at IUP. Also, IUP does not guarantee that the credits earned under this agreement will be transferable to other universities and colleges.
4. In order to receive credits for these courses at IUP and have them posted on the university academic record, the student must apply and be admitted to IUP, must have received a "C" or above on these courses, and must complete one semester at IUP.
5. To ensure that students entering the associate degree program schedule courses that articulate into the baccalaureate degree, the student must contact an academic advisor in the Department of Physics to assist him/her in making the most advantageous course selections. This structure provides the required seamless articulation process.

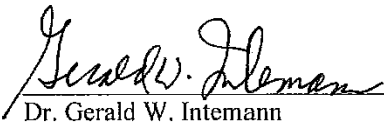
**Mutual Terms and Conditions:**

1. *Term of Agreement.* The term of the Agreement shall be two (2) years from the date of execution. This Agreement may not exceed a period of five (5) years.
2. *Termination of Articulation Agreement.* The articulation agreement, as specified above and referenced in supportive documents, is binding. Termination of the articulation agreement can be initiated by either party and becomes effective at the end of the academic year in which written notice to terminate is received. All obligations to students who are enrolled in the 2+2+2 pipeline at either the secondary or post-secondary level must be honored. IUP and BASD agree to notify each other immediately if modifications are made to the courses, curriculum, competency lists, or any aspect of the articulated program during the term of this agreement.
3. *Nondiscrimination.* The parties agree to continue their respective policies of nondiscrimination based on Title VI of the Civil Rights Act of 1964 in regard to sex, age, race, color, creed, national origin, Title IX of the Education Amendments of 1972 and other applicable laws, as well as the provisions of the Americans with Disabilities Act.
4. *Interpretation of the Agreement.* The laws of the Commonwealth of Pennsylvania shall govern this Agreement.
5. *Modification of the Agreement.* This Agreement shall only be modified in writing with the same formality as the original Agreement.

6. *Relationship of Parties.* The relationship between the parties to this Agreement to each other is that of independent contractors. The relationship of the parties to this contract to each other shall not be construed to constitute a partnership, joint venture or any other relationship, other than that of independent contractors.
7. *Liability.* Neither of the parties shall assume any liabilities to each other. As to liability to each other or death to persons, or damages to property, the parties do not waive any defense as a result of entering into this contract. This provision shall not be construed to limit the Commonwealth's rights, claims, or defenses which arise as a matter of law pursuant to any provisions of this contract. This provision shall not be construed to limit the sovereign immunity of the Commonwealth or of the Pennsylvania State System of Higher Education of the University.
8. *Entire Agreement.* This agreement represents the entire understanding between the parties. No other prior or contemporaneous oral or written understandings or promises exist in regard to this relationship.


This articulation agreement is entered into this 27 day of May 2009.

For Indiana University of Pennsylvania:

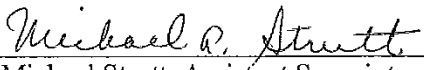
  
Dr. Gerald W. Intemann  
Provost and Vice President for Academic Affairs  
Indiana University of Pennsylvania

Date 5/27/09

For Butler Area School District  
College Tech Prep Program:

  
Dr. Edward E. Fink, Superintendent  
Butler Area School District

Date 6-5-09

  
Dr. Michael Strutt, Assistant Superintendent, 7-12  
Butler Area School District

Date 6/5/09

APPROVED AS TO FORM & LEGALITY:

  
University Legal Counsel

# **Penn State University New Kensington Campus**



## Penn State University Campus Locations and Academic Choices For Associate Degrees

### **Abington**

Agricultural Business  
Business Administration  
Letters, Arts, and Sciences

### **Altoona**

Agricultural Business  
Biomedical Engineering Technology  
Business Administration  
Criminal Justice  
Electrical Engineering Technology  
Human Development & Family Studies  
Letters, Arts, and Sciences  
Materials Engineering Technology  
Mechanical Engineering Technology  
Nursing  
Science  
Telecommunications Technology

### **Beaver**

Agricultural Business  
Business Administration  
Information Sciences & Technology  
(Baccalaureate, Data/Information,  
Generalized Business, Individualized,  
Networking options)  
Letters, Arts, & Sciences  
Science

### **Berks**

Agricultural Business  
Biomedical Engineering Technology  
Business Administration  
Electrical Engineering Technology  
Hotel/Restaurant/Institutional Management  
Information Management  
Information Sciences & Technology  
(Baccalaureate, Generalized Business,  
Individualized, Networking options)

Letters, Arts, & Sciences  
Materials Engineering Technology  
Mechanical Engineering Technology  
Occupational Therapy  
Telecommunications Technology

### **Delaware County**

Agricultural Business  
Business Administration  
Human Development & Family Studies  
Letters, Arts, & Sciences

### **DuBois**

Agricultural Business  
Biomedical Engineering Technology  
Business Administration  
Electrical Engineering Technology  
Human Development & Family Studies  
Information Sciences and Technology  
(Generalized Business, Networking  
options)

Letters, Arts, & Sciences  
Materials Engineering Technology  
Mechanical Engineering Technology  
Occupational Therapy  
Physical Therapist Assistant  
Science  
Telecommunications Technology  
Wildlife Technology

### **Erie**

Agricultural Business  
Biomedical Engineering Technology  
Electrical Engineering Technology  
General Business  
Letters, Arts, & Sciences  
Manufacturing Technology  
Materials Engineering Technology  
Mechanical Engineering Technology  
Plastics Engineering Technology  
Telecommunications Technology

### **Fayette**

Agricultural Business  
Architectural Engineering Technology  
Biomedical Engineering Technology  
Business Administration  
Electrical Engineering Technology  
Human Development and Family Studies  
Information Sciences &  
Technology(Baccalaureate, Generalized Business,  
Individualized, Networking options)  
Letters, Arts, & Sciences  
Materials Engineering Technology

Nanofabrication Manufacturing Technology  
Nursing  
Science  
Telecommunications Technology

### **Harrisburg**

Business Administration  
Letters, Arts, & Sciences

### **Hazleton**

Agricultural Business  
Biomedical Engineering Technology  
Business Administration  
Electrical Engineering Technology  
Information Sciences & Technology  
(Baccalaureate, Business, Networking options)  
Letters, Arts, & Sciences  
Materials Engineering Technology  
Mechanical Engineering Technology  
Medical Laboratory Technology  
Nanofabrication Manufacturing Technology  
Physical Therapist Assistant  
Telecommunications Technology

### **Lehigh Valley**

Business Administration  
Information Sciences &  
Technology(Baccalaureate, Generalized Business,  
Individualized, Networking options)  
Letters, Arts, & Sciences

### **McKeesport**

Agricultural Business  
Business Administration  
Letters, Arts, and Sciences  
Science

### **Mont Alto**

Agricultural Business  
Business Administration  
Forest Technology  
Human Development & Family Studies  
Information Sciences & Technology(Generalized  
Business, Individualized,  
Industrial/Manufacturing, Networking options)  
Letters, Arts, and Sciences  
Nanofabrication Manufacturing Technology

Nursing  
Occupational Therapy  
Physical Therapist Assistant

### **New Kensington**

Agricultural Business  
Biomedical Engineering Technology  
Business Administration  
Electrical Engineering Technology  
Human Development & Family Studies  
Information Sciences &  
Technology(Baccalaureate, Data/Information,  
Generalized Business, Individualized,  
Industrial/Manufacturing, Networking, Web  
Administration options)  
Letters, Arts, & Sciences  
Materials Engineering Technology  
Mechanical Engineering Technology  
Radiological Sciences  
Science

Telecommunications Technology

### **Schuylkill**

Agricultural Business  
Business Administration  
Human Development & Family Studies  
Information Sciences &  
Technology(Baccalaureate, Generalized Business,  
Individualized, Networking options)  
Letters, Arts, & Sciences  
Medical Laboratory Technology  
Radiological Sciences

### **Shenango**

Agricultural Business  
Biomedical Engineering Technology  
Business Administration  
Electrical Engineering Technology  
Human Development & Family Studies  
Information Sciences & Technology(Networking  
option)  
Letters, Arts, & Sciences  
Materials Engineering Technology  
Mechanical Engineering Technology  
Physical Therapist Assistant  
Science  
Telecommunications Technology

### **Wilkes-Barre**

Agricultural Business  
Business Administration  
Electrical Engineering Technology  
Information Sciences &  
Technology(Baccalaureate, Individualized,  
Networking, Software, Telecommunications  
option)  
Letters, Arts, & Sciences  
Materials Engineering Technology  
Nanofabrication Manufacturing Technology  
Surveying Technology  
Telecommunications Technology

### **Worthington Scranton**

Agricultural Business  
Architectural Engineering Technology  
Business Administration  
Human Development & Family Studies  
Information Sciences &  
Technology(Baccalaureate, Data/Information,  
Individualized, Networking, Software options)  
Letters, Arts, and Sciences  
Nursing

### **York**

Agricultural Business  
Biomedical Engineering Technology  
Business Administration  
Human Development & Family Studies  
Electrical Engineering Technology  
Information Sciences & Technology  
(Baccalaureate, Generalized Business,  
Individualized, Networking, Software options)  
Letters, Arts, and Sciences  
Materials Engineering Technology  
Mechanical Engineering Technology  
Nanofabrication Manufacturing Technology  
Telecommunications Technology

### **World Campus**

Business Administration  
Dietetic Food Systems & Management  
Hotel/Restaurant/Institutional Management  
Human Development & Family Studies  
Information Sciences & Technology  
(General Business Option)  
Letters, Arts, & Sciences



## TECH PREP ARTICULATION AGREEMENT

THIS AGREEMENT is entered into this 12th day of March, 1998, by and between the Pennsylvania State University, a Pennsylvania nonprofit corporation, with a campus located at New Kensington, Pennsylvania ("Penn State");

and

Butler School District, a secondary school with its principal address at 167 New Castle Road Butler, PA ("the Secondary Institution").

### RECITAL

This agreement is to provide a means by which Tech Prep graduates of the Secondary Institution can be better prepared to enter the associate degree Tech Prep program offered by cooperating campuses of Penn State. The purpose of this Agreement is to ensure that secondary students have successfully completed the secondary component and acquired the skills necessary to gain them direct admission into the Penn State New Kensington Campus Tech Prep Associate Degree Program in Biomedical Engineering Tech., thereby eliminating the need to pursue remedial and/or duplicative courses once enrolled at Penn State. Those students who are currently enrolled in an approved secondary Tech Prep Program are those affected by this articulation agreement.

NOW THEREFORE, the parties hereto, intending to be legally bound, agree as follows:

1. **Eligibility.** All prospective Tech Prep students who have graduated from the Secondary Institution who have successfully completed the necessary academic and technological competencies for their intended program of study and such other requirements as shall be mutually established from time to time, and who enroll at a cooperating Penn State campus in that same program of study within one academic year following high school graduation, are eligible for admission to the Tech Prep Associate Degree Program at the Penn State New Kensington Campus.
2. **General Terms of the Agreement.**
  - a. Pursuant to the terms of this Agreement, the Secondary Institution and the Penn State New Kensington Campus will cooperate in the: (i) development of model tech prep programs; (ii) review of current respective tech prep curricula and redesign as appropriate; (iii) development of programs which meet the needs of the target population; (iv) development of an aggressive marketing plan for the region; and (v) development of a plan for recruiting and retaining students in the tech prep programs of the Secondary Institution and the Penn State New Kensington Campus.
  - b. Pursuant to the terms of this Agreement, the Penn State New Kensington Campus will: (i) notify the Secondary Institution immediately of any curriculum changes to this associate degree program that arise from issues relating to accreditation and licensure; (ii) notify the Secondary Institution of any additional relevant associate degree vocational programs which may become available at the Penn State New Kensington Campus.
  - c. Pursuant to the terms of this Agreement, the Secondary Institution will (i) encourage enrollment by potential associate degree students in the tech prep curriculum at the Secondary Institution; (ii) work to ensure a high degree of successful completion by all students enrolled in the tech prep curriculum; and (iii) inform Penn State of the enrollment in the Tech Prep program at reasonable intervals as determined by the Secondary Institution and Penn State.
3. **Term of Agreement.** This agreement shall continue until terminated by one or both parties. Any party may terminate this Agreement upon reasonable written notice to the other party; provided, however, that no termination of this Agreement shall adversely affect the rights of any student enrolled in the Tech Prep preparatory curriculum.

WITNESS:

Michael A. Strutt

SECONDARY INSTITUTION

By:

Edward E. Fink, Jr.  
Director or Superintendent  
Dr. Edward E. Fink, Jr.

Penn State New Kensington Campus

By:

Catherine C. Gannon  
Campus Executive Officer  
Dr. Catherine C. Gannon

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### RECITAL

This agreement is to provide a means by which Tech Prep graduates of the Secondary Institution can be better prepared to enter the associate degree Tech Prep program offered by cooperating campuses of Penn State. The purpose of this Agreement is to ensure that secondary students have successfully completed the secondary component and acquired the skills necessary to gain them direct admission into the Penn State New Kensington Campus Tech Prep Associate Degree Program in Business Administration, thereby eliminating the need to pursue remedial and/or duplicative courses once enrolled at Penn State. Those students who are currently enrolled in an approved secondary Tech Prep Program are those affected by this articulation agreement.

NOW THEREFORE, the parties hereto, intending to be legally bound, agree as follows:

1. Eligibility. All prospective Tech Prep students who have graduated from the Secondary Institution who have successfully completed the necessary academic and technological competencies for their intended program of study and such other requirements as shall be mutually established from time to time, and who enroll at a cooperating Penn State campus in that same program of study within one academic year following high school graduation, are eligible for admission to the Tech Prep Associate Degree Program at the Penn State New Kensington Campus.
2. General Terms of the Agreement.
  - a. Pursuant to the terms of this Agreement, the Secondary Institution and the Penn State New Kensington Campus will cooperate in the: (i) development of model tech prep programs; (ii) review of current respective tech prep curricula and redesign as appropriate; (iii) development of programs which meet the needs of the target population; (iv) development of an aggressive marketing plan for the region; and (v) development of a plan for recruiting and retaining students in the tech prep programs of the Secondary Institution and the Penn State New Kensington Campus.
  - b. Pursuant to the terms of this Agreement, the Penn State New Kensington Campus will: (i) notify the Secondary Institution immediately of any curriculum changes to this associate degree program that arise from issues relating to accreditation and licensure; (ii) notify the Secondary Institution of any additional relevant associate degree vocational programs which may become available at the Penn State New Kensington Campus.
  - c. Pursuant to the terms of this Agreement, the Secondary Institution will (i) encourage enrollment by potential associate degree students in the tech prep curriculum at the Secondary Institution; (ii) work to ensure a high degree of successful completion by all students enrolled in the tech prep curriculum; and (iii) inform Penn State of the enrollment in the Tech Prep program at reasonable intervals as determined by the Secondary Institution and Penn State.
3. Term of Agreement. This agreement shall continue until terminated by one or both parties. Any party may terminate this Agreement upon reasonable written notice to the other party; provided, however, that no termination of this Agreement shall adversely affect the rights of any student enrolled in the Tech Prep preparatory curriculum.

WITNESS:

SECONDARY INSTITUTION

Michael A. Strutt

By:

Edward E. Fink

Director or Superintendent

Dr. Edward E. Fink, Jr.

Penn State New Kensington Campus

By:

Catherine C. Gannon

Campus Executive Officer  
Dr. Catherine C. Gannon

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and

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### RECITAL

This agreement is to provide a means by which Tech Prep graduates of the Secondary Institution can be better prepared to enter the associate degree Tech Prep program offered by cooperating campuses of Penn State. The purpose of this Agreement is to ensure that secondary students have successfully completed the secondary component and acquired the skills necessary to gain them direct admission into the Penn State New Kensington Campus Tech Prep Associate Degree Program in Electrical Engineering Tech., thereby eliminating the need to pursue remedial and/or duplicative courses once enrolled at Penn State. Those students who are currently enrolled in an approved secondary Tech Prep Program are those affected by this articulation agreement.

NOW THEREFORE, the parties hereto, intending to be legally bound, agree as follows:

1. Eligibility. All prospective Tech Prep students who have graduated from the Secondary Institution who have successfully completed the necessary academic and technological competencies for their intended program of study and such other requirements as shall be mutually established from time to time, and who enroll at a cooperating Penn State campus in that same program of study within one academic year following high school graduation, are eligible for admission to the Tech Prep Associate Degree Program at the Penn State New Kensington Campus.
2. General Terms of the Agreement.
  - a. Pursuant to the terms of this Agreement, the Secondary Institution and the Penn State New Kensington Campus will cooperate in the: (i) development of model tech prep programs; (ii) review of current respective tech prep curricula and redesign as appropriate; (iii) development of programs which meet the needs of the target population; (iv) development of an aggressive marketing plan for the region; and (v) development of a plan for recruiting and retaining students in the tech prep programs of the Secondary Institution and the Penn State New Kensington Campus.
  - b. Pursuant to the terms of this Agreement, the Penn State New Kensington Campus will: (i) notify the Secondary Institution immediately of any curriculum changes to this associate degree program that arise from issues relating to accreditation and licensure; (ii) notify the Secondary Institution of any additional relevant associate degree vocational programs which may become available at the Penn State New Kensington Campus.
  - c. Pursuant to the terms of this Agreement, the Secondary Institution will (i) encourage enrollment by potential associate degree students in the tech prep curriculum at the Secondary Institution; (ii) work to ensure a high degree of successful completion by all students enrolled in the tech prep curriculum; and (iii) inform Penn State of the enrollment in the Tech Prep program at reasonable intervals as determined by the Secondary Institution and Penn State.
3. Term of Agreement. This agreement shall continue until terminated by one or both parties. Any party may terminate this Agreement upon reasonable written notice to the other party; provided, however, that no termination of this Agreement shall adversely affect the rights of any student enrolled in the Tech Prep preparatory curriculum.

WITNESS:

Michael A. Strutt

SECONDARY INSTITUTION

By:

Edward E. Fink, Jr.  
Director or Superintendent

Dr. Edward E. Fink, Jr.

Penn State New Kensington Campus

By:

Catherine C. Gannon  
Campus Executive Officer  
Dr. Catherine C. Gannon

## TECH PREP ARTICULATION AGREEMENT

THIS AGREEMENT is entered into this 12th day of March, 1998, by and between the Pennsylvania State University, a Pennsylvania nonprofit corporation, with a campus located at New Kensington, Pennsylvania ("Penn State");

and

Butler School District, a secondary school with its principal address at 167 New Castle Road  
Butler, PA ("the Secondary Institution").

### RECITAL

This agreement is to provide a means by which Tech Prep graduates of the Secondary Institution can be better prepared to enter the associate degree Tech Prep program offered by cooperating campuses of Penn State. The purpose of this Agreement is to ensure that secondary students have successfully completed the secondary component and acquired the skills necessary to gain them direct admission into the Penn State New Kensington Campus Tech Prep Associate Degree Program in Mechanical Engr. Tech., thereby eliminating the need to pursue remedial and/or duplicative courses once enrolled at Penn State. Those students who are currently enrolled in an approved secondary Tech Prep Program are those affected by this articulation agreement.

NOW THEREFORE, the parties hereto, intending to be legally bound, agree as follows:

1. Eligibility. All prospective Tech Prep students who have graduated from the Secondary Institution who have successfully completed the necessary academic and technological competencies for their intended program of study and such other requirements as shall be mutually established from time to time, and who enroll at a cooperating Penn State campus in that same program of study within one academic year following high school graduation, are eligible for admission to the Tech Prep Associate Degree Program at the Penn State New Kensington Campus.

2. General Terms of the Agreement.

a. Pursuant to the terms of this Agreement, the Secondary Institution and the Penn State New Kensington Campus will cooperate in the: (i) development of model tech prep programs; (ii) review of current respective tech prep curricula and redesign as appropriate; (iii) development of programs which meet the needs of the target population; (iv) development of an aggressive marketing plan for the region; and (v) development of a plan for recruiting and retaining students in the tech prep programs of the Secondary Institution and the Penn State New Kensington Campus.

b. Pursuant to the terms of this Agreement, the Penn State New Kensington Campus will: (i) notify the Secondary Institution immediately of any curriculum changes to this associate degree program that arise from issues relating to accreditation and licensure; (ii) notify the Secondary Institution of any additional relevant associate degree vocational programs which may become available at the Penn State New Kensington Campus.

c. Pursuant to the terms of this Agreement, the Secondary Institution will (i) encourage enrollment by potential associate degree students in the tech prep curriculum at the Secondary Institution; (ii) work to ensure a high degree of successful completion by all students enrolled in the tech prep curriculum; and (iii) inform Penn State of the enrollment in the Tech Prep program at reasonable intervals as determined by the Secondary Institution and Penn State.

3. Term of Agreement. This agreement shall continue until terminated by one or both parties. Any party may terminate this Agreement upon reasonable written notice to the other party; provided, however, that no termination of this Agreement shall adversely affect the rights of any student enrolled in the Tech Prep preparatory curriculum.

WITNESS:

SECONDARY INSTITUTION

Michael A. Strutt

By:

Edward E. Fink  
Director of Superintendent

Dr. Edward E. Fink, Jr.

New Kensington

Penn State \_\_\_\_\_ Campus

\_\_\_\_\_

By:

\_\_\_\_\_  
Campus Executive Officer

Dr. Catherine C. Gannon



# Pittsburgh Technical College



**ARTICULATION AGREEMENT**

In order to provide secondary school students with a continuum of education without unnecessary duplication of instruction and delay in attaining educational/career objectives, Pittsburgh Technical Institute and Butler Area High School, have entered into this articulation agreement for the following courses:

<u>Butler Area High School</u>	<u>Pittsburgh Technical Institute</u>	<u>No. of Credits</u>
Accounting I	ACC100 Financial Accounting 1	4
Accounting II	ACC100 Financial Accounting 1	4
Computer Applications I	BUS106 Computer Applications	3
Computer Applications II	BUS106 Computer Applications	3
Introduction to Business	BUS100 Introduction to Business	4
Microsoft Access	BUS232 Database Applications for Business	3
Microsoft Excel	BUS109 Spreadsheet Applications	3
Introduction to C++ } Intermediate C++ }	SSD552 Data Structures and Algorithms	7
Introduction to JAVA } Intermediate JAVA }	SSD152 Introduction to Information Systems	7
Computer-Aided Drafting (CAD-1)	CAD111 AutoCAD	4
Technical Drafting I	CAD101 Drafting 1	4
Health Care & Career Applications	PCT106 Introduction to Healthcare	5
TV Production II	MMA103 Audio/Video Editing	3

Before course exemption(s) can be awarded, the following conditions must be fulfilled:

1. Student must meet admission criteria of Pittsburgh Technical Institute.
2. Applicant must notify the Financial Aid Department at Pittsburgh Technical Institute of his/her intention to articulate the above-mentioned courses.
3. Application for exemption must be made within one year after graduation from the secondary institution.
4. Application for course exemption must be completed prior to starting the program at PTI.
5. Applicants who desire credit for the above-mentioned courses must have received a "B" or better average in their related high school courses. They will also need to score 80% or above on final course examination at PTI.
6. In lieu of a letter grade, the applicant will receive an "EX" grade on their transcript designating that the applicant has received exemption for the above-mentioned courses.
7. Upon meeting the exemption requirements, the student will receive credit toward tuition for \$1,300.00 per class.

8. A maximum of two exemptions per student is permitted.
9. Applicant should be aware that course exemptions could have an impact on financial aid resources if course load falls below 12 credits per quarter.
10. This agreement will take effect upon the affixing of signatures by each of the parties named below.

#### **DURATION OF REVIEW**

This Memorandum of Agreement shall be effective from the date of affixing signatures and shall be renewed annually one year from the date of origination. It remains subject to such revisions as are mutually agreeable at the time of annual review, but the duration of the agreement shall be considered continuous. Either party may terminate the agreement at the time of annual review provided the party has given written notice of intent to do so at least one year in advance.

In testimony thereof, witness the duly authorized signatures of the parties hereto:

 12/19/12  
Authorized Signature – Butler Area High School Date

Print Name: Brian J. Slamecka Title: Assistant Superintendent

 12/20/12  
Authorized Signature – Butler Area High School Date

Print Name: Michael A. Strutt Title: Superintendent

 12/6/12  
Authorized Signature – Pittsburgh Technical Institute Date

Print Name: Mark Scott Title: Senior Vice President of Academic Affairs

 12/17/12  
Authorized Signature – Pittsburgh Technical Institute Date

Print Name: Terry Farrell Title: Senior Vice President of Finance and Information Technology



# Point Park University



## Point Park College & Butler Area High School Tech Prep Articulation Agreement

THIS AGREEMENT is entered into this 29<sup>th</sup> day of November, 2000, by and between Point Park College, a Pennsylvania nonprofit corporation, with a campus located in Downtown, Pittsburgh;

and

Butler School District, a secondary school with its principal address at 167 New Castle Road, Butler, PA ("the Secondary Institution")

### RECITAL

This agreement is to provide a means by which Tech Prep graduates of the Secondary Institution can be better prepared to enter the associate degree or baccalaureate degree Tech Prep program offered by cooperating campuses of Point Park College. The purpose of this Agreement is to ensure that secondary students have successfully completed the secondary component and acquired skills necessary to gain them direct admission into Point Park College, Downtown Campus to complete the Associate Degree or Baccalaureate Degree Program in one of the following academic departments: Natural Sciences and Engineering Technology, Journalism and Mass Communication, Education and Community Services or Business thereby eliminating the need to pursue remedial and/or duplicative courses once enrolled at Point Park College. Those students who are currently enrolled in an approved secondary Tech Prep Program are those affected by this articulation agreement.

NOW THEREFORE, the parties hereto, intending to be legally bound, agree as follows:

1. Eligibility. All prospective Tech Prep students who have graduated from the Secondary Institution who have successfully completed the necessary academic and technological competencies for their intended program of study and other such requirements as shall be mutually established from time to time, and who enroll at a cooperating Point Park College campus in that same program of study within one academic year following high school graduation, are eligible for admission to the Associate Degree or Baccalaureate Degree Program in one of the following academic departments: Natural Sciences and Engineering Technology, Journalism and Mass Communication, Education and Community Services or Business at the Point Park College Downtown Campus.
2. All prospective Tech Prep students accepted and admitted to Point Park College will receive credit for approved courses (See Addendum B) only upon receipt of an official high school transcript from the Secondary Institution documenting successful completion of the approved Tech Prep Program curriculum.
3. General Terms of the Agreement.
  - a. Pursuant to the terms of this Agreement, the Secondary Institution and the Point Park College Downtown Campus will cooperate in the: (i) development of model tech prep programs; (ii) review of current respective tech prep curricula and redesign as appropriate; (iii) development of programs which ~~meet the~~ needs of the target population;

(iv) development of an aggressive marketing plan for the region; and (v) development of a plan for recruiting and retaining students in the tech prep programs of the Secondary Institution and the Point Park College Downtown Campus.

- b. Pursuant to the terms of this Agreement, the Point Park College Downtown campus will: (i) notify the Secondary Institution immediately of any curriculum changes to the associate degree and/or baccalaureate degree programs that arise from issues relating to accreditation and licensure, (ii) notify the Secondary Institution of any additional relevant associate degree and/or baccalaureate degree vocational programs which may become available at the Point Park College Downtown Campus.
- c. Pursuant to the terms of this Agreement, the Secondary Institution will (i) encourage enrollment by potential associate degree and baccalaureate degree students in the tech prep curriculum at the Secondary Institution; (ii) work to ensure a high degree of successful completion by all students enrolled in the tech prep curriculum; and (iii) inform Point Park of the enrollment in the Tech Prep program at reasonable intervals as determined by the Secondary Institution and Point Park.
- d. Pursuant to the terms of this Agreement, the Point Park College Downtown campus will: (i) provide an addendum to this Agreement listing the academic departments that will enroll associate degree and baccalaureate degree Tech Prep students from the Secondary Institution, (ii) detail what courses the Point Park College Downtown campus has established for advanced standing transfer credit from the Secondary Institution; (iii) adjust the addendum when necessary during the duration of the Agreement pending concurrence with the Secondary Institution.
4. Term of Agreement. This agreement shall continue until terminated by one or both parties. Any party may terminate this Agreement upon reasonable written notice to the other party; provided, however, that no termination of this Agreement shall adversely affect the rights of any student enrolled in the Tech Prep preparatory curriculum.

WITNESS:

Michael A. Strutt

SECONDARY INSTITUTION

By: Edward E. Bird  
Director or Superintendent

Maureen Ryan

POINT PARK COLLEGE DOWNTOWN CAMPUS

By: [Signature]  
Campus Executive Officer

(Attachment)

## **ADDENDUM A**

### **Point Park College & Butler Area High School Tech Prep Articulation Agreement**

#### **Requirements for Admission to Point Park College**

As per the Point Park College & Butler Area High School Tech Prep Articulation Agreement, the following admission requirements apply to only those students applying from the Butler Area High School Tech Prep Program to one of the following academic departments at Point Park College:

- Business
- Journalism & Mass Communication
- Education & Community Services
- Natural Sciences & Engineering Technology

#### **Admission Requirements:**

Students who have successfully completed the Butler Area High School Tech Prep Program and are interested in entering Point Park College as freshmen, are considered for admission using the following criteria:

1. **Academic abilities** – The academic abilities of applicants are evaluated on the basis of secondary school performance, the types of courses taken, the grades earned and the class rank
2. **Grades** - Students must receive a C grade or better in an approved Butler High School Tech Prep Program course to receive advanced placement for the equivalent course at Point Park College (see Advanced Placement Guide)

#### **Advanced Placement Examinations (AP):**

Point Park College may grant credit for scores of three or higher on advanced placement examinations offered by the College Entrance Examination Board (CEEB).

3. **QPA** – The student must have a minimum QPA of 2.0.
4. **Standardized National Tests** - all high school applicants to Point Park College are required to complete the Scholastic Aptitude Test (SAT) or the American College Test (ACT) to provide a means of predicting academic success at Point Park College.
5. **Personal qualities and achievements** - Includes participation in extra-curricular activities, community involvement and the recommendation of guidance counselors, teachers and others who know the applicant well.



### Applying for Admission:

Students applying to Point Park College as full-time freshman will have their application reviewed by the Office of Admission (412) 392-3430. The Admission Committee reviews all applications and notifies students who have been accepted for admission to the College. The documents required for a completed application include:

- Application form (*Application fee is waived for Butler Area High School Tech Prep applicants*)
- Transcript from secondary school\*
- SAT or ACT test scores
- Personal interview - while not required, a personal interview is encouraged. Students who desire an interview should contact the Office of Admissions at (412) 392-3430 approximately one week in advance to arrange an appointment.

Students in their final year of secondary school should submit their applications as early as possible. Applications are reviewed as soon as they are complete and students are informed of the decision at that time. While most students seeking admission as freshmen apply for the Fall academic term, Point Park College also admits students to freshman status for the Spring and Summer academic terms.

### Early Admission:

A student with an exceptional academic record and a recommendation from high school officials and parents may apply for early admission at the end of the junior year. It is recommended that students interested in early admission take the Scholastic Aptitude Test in March or May of their junior year in high school.

### Credit Documentation:

All prospective Butler Area High School Tech Prep students accepted and admitted to Point Park College will receive credit for approved courses (**see Addendum B**) only upon receipt of an official high school transcript from Butler Area High School documenting successful completion of the approved Tech Prep Program curriculum. A letter of completion/graduation from the Tech Prep Program Coordinator or other authorized official from the Butler Area High School must accompany the official transcript. Approved courses will be documented by a two-letter code on an official transcript issued by the Registrar's Office at Point Park College.

Point Park College may grant additional credit for appropriate courses, pending review of the student's high school transcript and only by approval of the academic department chair. Credit for Algebra (MATH 175) and Trigonometry (MATH 180) may also be awarded by the academic department chair after a review of the student's high school transcript and score on the Math Placement Test, required by all first-term freshman and transfer students.

### Experiential Learning:

The College may grant Advanced Placement credit for experiential learning to students whose life or professional experiences encompass college-level learning. Before seeking such credit a student must have completed a minimum of six credits at Point Park College. Application forms

are available from the chair of the department concerned with the discipline at issue. A completed application includes a petition from the student, documentation from workplace supervisors, a portfolio or other evidence of acquired learning, and any other information deemed relevant by the respective department. The department chair will review the petition and, in some cases, request further information before making his or her recommendation. Students must submit credit applications for different departments on separate forms.

The Registrar must receive recommendations for experiential learning credit at least one term prior to graduation. Under no circumstances will a student receive more than eighteen credits for experiential learning. Credits obtained in this fashion do not satisfy the residency requirement.

**ADDENDUM B**  
**ADVANCED PLACEMENT GUIDE**  
**BUTLER HIGH SCHOOL – TECH PREP PROGRAM**  
**2000-2001**

<b>BUSINESS TECHNOLOGIES PROGRAM</b>			
<b>Butler High School Course</b>		<b>Point Park College Course Equivalent</b>	
Course	Course Title	Sem. Hrs.	Sem. Hrs.
	Computer Applications I/II	36 wks.	3
	Accounting II & Accounting II Lab	36 wks.	3
	Introduction to Business	36 wks.	3
		<b>TOTAL CREDITS</b>	<b>9</b>
<i>Associate Degrees (70 credits): Accounting, Business, Information Technology, Applied Business</i>			
<i>Bachelor's Degrees (120 credits): Accounting, Business Management, Information Technology, Management Services</i>			
<i>Certificate Programs (26-35 credits): Accounting, Business Management, Information Technology, Webmaster</i>			
<b>BROADCAST COMMUNICATIONS PROGRAM</b>			
	TV Production I & II	36 wks.	3
	Computer Applications I/II	36 wks.	3
	(Radio Productions – curriculum pending)		(3)
		<b>TOTAL CREDITS</b>	<b>9</b>
<i>Associate Degrees: None</i>			
<i>Bachelor's Degrees (128 credits): Advertising &amp; Public Relations, Broadcasting (Radio &amp; Television), Journalism/Photojournalism, Mass Communications, Marketing Communications, Journalism &amp; Secondary Education</i>			
<i>Masters Degree (36 credits): Journalism &amp; Mass Communication</i>			
<b>CHILD DEVELOPMENT PROGRAM</b>			
	Child Development I-IV	72 wks.	3
	Computer Applications I/II	36 wks.	3
			-
		<b>TOTAL CREDITS</b>	<b>6</b>
<i>Associate Degrees (63 credits): Early Childhood Education</i>			
<i>Bachelor's Degrees (129 credits): Elementary Education, Early Childhood Education, Biological Sciences/Secondary Education, English/Secondary Education, Journalism &amp; Mass Communications/Secondary Education, Mathematics/Secondary Education, Social Sciences/Secondary Education, Theatre Arts &amp; Communication/Secondary Education</i>			
<i>Master's Degrees (36 credits): Curriculum &amp; Instruction</i>			
<i>Certificate Programs (30 credits): Day Care Program</i>			

ENGINEERING TECHNOLOGIES PROGRAM					
Butler High School Course			Point Park College Course Equivalent		
Course Prefix	Course Title	Sem. Hours		Course Title	Sem. Hours
	Computer Applications I/II	36 wks.	NSET 101	Intro to Natural Sciences & Engineering Technology	3
	Tech Algebra II	36 wks.	MATH 180	Algebra*	3
	Trigonometry	18 wks.	MATH 185	Trigonometry*	2
	Elective	36 wks.	NSET 295	Engineering Technology Elective	3
			TOTAL CREDITS		11
Associate Degrees (69 credits): Civil Engineering Technology, Electrical Engineering Technology, Mechanical Engineering Technology					
Bachelor's Degrees (137 credits): Civil Engineering Technology, Electrical Engineering Technology, Mechanical Engineering Technology					
MEDICAL TECHNOLOGIES PROGRAM					
	Computer Applications I/II	36 wks.	NSET 101	Intro to Natural Sciences & Engineering Technology	3
	Tech Algebra II	36 wks.	MATH 180	Algebra*	3
	Trigonometry	18 wks.	MATH 185	Trigonometry*	2
	Elective	36 wks.	NSET 295	A & P Elective	3
			TOTAL CREDITS		11
Associate Degree (65 credits): Allied Health					
Bachelor's Degrees (129 credits): Health Services, Biological Sciences, Biological Sciences/Secondary Education, Environmental Health Science & Protection					

\*Students in the Engineering Technologies or Medical Technologies program may be eligible to receive advanced placement credit for Algebra and Trigonometry after a review of high school transcripts and score on NSET Math Placement Test.

-All courses earned in the Associate Degree Programs will transfer to the Baccalaureate Degree Programs (excludes AS Degree in Early Childhood Education)

# The Art Institute of Pittsburgh



## **PROGRAM ARTICULATION AGREEMENT TWO-YEAR COMPONENTS**

### **Introduction**

Based upon mutual concern for the needs of students pursuing technical/occupational education/training and in an effort to provide a continuing articulated program that builds upon past learning experiences and eliminates duplication of instruction, the undersigned agree to follow and adhere to the following provisions:

The Art Institute of Pittsburgh Two-Year Components and Butler Senior High School which enter into this agreement, as indicated through the signatures of their respective chief executive officers, will maintain the integrity of their separate programs and enter this agreement as equal partners. The two-year components of The Art Institute of Pittsburgh and Butler Senior High School agree to implement the Associate Degree curriculum in mutually agreed designated programs for the purpose of assuring students technical competencies that will enhance their skill levels, their employability, and their career options.

Further, program curricula developed under this Agreement have been developed according to the process prescribed, which requires interactive participation of secondary and post-secondary faculty, administrators, and counselors, as well as participation of representatives from appropriate business and industry in the region. Program curricula covered under this Agreement are regularly reviewed and updated according to the method stipulated in Article IV. In addition, a course-articulation matrix and forms used in the process indicating high school courses for which college credit may be awarded are included as appendices to this Agreement.

### **Article I**

#### **Articulated Programs**

This Agreement establishes articulation of specified associate of specialized technology and associate of science degree programs offered by two-year components of The Art Institute of Pittsburgh with career and technology programs offered by Butler Senior High School in the state of Pennsylvania. This Agreement also sets forth criteria by which collegiate credit will be awarded to secondary students for coursework completed in a secondary school setting.

Students who have documented their intention to pursue a specific articulated program curriculum and who have completed the secondary articulated program curriculum, or portions thereof, required  
03/19/01

for articulated program designation, may be awarded collegiate credit for courses specified in appended Course-to-Course Articulation Matrices.

Following are rules governing award of collegiate credit as pertains to articulation and the criteria which must be met in order for high school students to be awarded quarter hour credit by The Art Institute of Pittsburgh.

- A. Students seeking collegiate credit via enrollment in courses included in a four-year, high school portion of a six-year articulated program curriculum must be identified by secondary institutions as articulated students through declaration of intent (signed *Student* Intent form) to pursue a specific articulated program curriculum in an approved articulated program.
- B. Collegiate credit earned by students enrolled in high school will partially fulfill the requirements for award of an associate of science or associate of specialized technology degree in an approved articulated program.
- C. The articulated program for which collegiate credit is awarded for courses completed while students are enrolled in high school will include a six-year curriculum plan possessing at least one advanced certificate option at the post secondary level to be included as part of each articulated program curriculum.
- D. The combined total quarter credit hours for the articulated Associate Degree including at least one Advanced Skill Certificate option may not exceed quarter credit hours of the program. Student must meet all graduation requirements from their high school.
- E. Students must earn **at least a grade of B** in coursework completed while in high school to be awarded collegiate credits for the course and enter our program without remediation.
- F. Collegiate credit for articulated course(s) will be posted with a letter grade to secondary articulated program graduates' college records at the conclusion of the first quarter of enrollment in the post-secondary portion of the articulated program at a two-year component of The Art Institute of Pittsburgh.
- G. Award of articulated course credit through programs covered by this Agreement with two-year components of The Art Institute of Pittsburgh will be considered on an individual case basis if more than one (1) year has elapsed since the student seeking the credit has completed the secondary portion of an approved articulated Associate Degree program curriculum.

03/19/01

- H. Program(s) and/or course(s) may be added to this Articulation Agreement as agreed upon by the Art Institute of Pittsburgh and Butler Senior High School
- I. This Agreement will be in effect until changes by either a participating two-year component of The Art Institute of Pittsburgh makes a new evaluation of approved articulation program(s) necessary; **when curriculum change occurs, it will be the responsibility of the institutions initiating the change to notify other participating institutions.**

## Article II

### Financial Responsibilities

No financial obligation is incurred by students, Butler Senior High School or by two-year components of The Art Institute of Pittsburgh for the award of collegiate program credit through this Program Articulation Agreement. Upon enrollment at any two-year component of The Art Institute of Pittsburgh students will be required to pay an enrollment fee and matriculation fee for any courses necessary to complete an associate degree.

## Article III

### Development of Additional Programs

Participating two-year components of The Art Institute of Pittsburgh will continue to communicate and cooperate in the development of additional articulated programs. Such programs will be appended to this document upon recommendation from the joint Curriculum and Evaluation Committees established by Article IV and approval by the school Executive Committee.

## Article IV

### Establishment of Curriculum Committee

Two-year components of The Art Institute of Pittsburgh and Butler Senior High School participating in this Program Articulation Agreement will establish and maintain joint Curriculum and Evaluation Committees for the following purposes:

- a) to develop competency-based curricula which integrate academic and technical curricula and which meet requirements of employers and the State;

03/19/01



- b) to assist in developing appropriate classroom-to-workplace transition elements for all programs of applied technology identified for articulation (internships, summer work programs, etc.);
- c) to develop appropriate leveling curricula which result in accelerated student learning to be implemented at the post-secondary level to provide support and access to students enrolled in the articulated programs;
- d) to facilitate the establishment of program curricula which will assure students of a high school diploma, an associate of applied science or arts degree, and enhance opportunities to pursue additional, advanced college certification related to their occupational goals;
- e) to advise students with regard to exceptional situations.

Curriculum and Evaluation Committees will be program-specific. Membership on Committees will include, but is not limited to, representatives from faculty, advising personnel, and administration from each participating institution. Representatives will be appointed by the Dean of Education and by the superintendent of participating independent school districts of secondary institutions, or by their designees. Representatives of participating businesses or industries will be appointed to assist in curriculum development by the chief executive officers of their respective employers.

Each institution participating in this agreement will delegate a contact person to conduct business. All additional agreements, curriculum development, and evaluation pertaining to this Program Articulation Agreement will be consistent with local policies and procedures which govern the state Consortiums and with program requirements established by the state Higher Education Coordinating Board and program requirements established by the national accrediting agency.

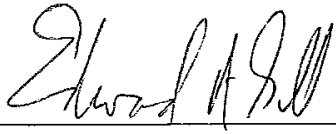
## **Article V**

### **Conditions For Termination**

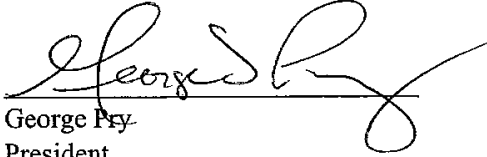
This Agreement may not be terminated in whole or in part by any participating party. However, any participating party may withdraw from this Agreement by giving a full thirty days' notice in writing to the chief executive officer of participating institutions with which program articulation has been established as a part of this Agreement.

- Institutional withdrawal will not affect the award of collegiate credit to students who have been guaranteed such credit award, and who have met the criteria for credit award established herein, while this Agreement is in effect for a secondary curriculum in which they are enrolled.

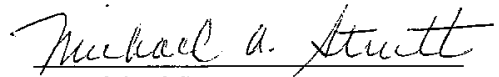
03/19/01



Edward A. Gill  
Vice President, Dean of Education  
The Art Institute of Pittsburgh



George Fry  
President  
The Art Institute of Pittsburgh



Dr. Michael Strutt  
Assistant Superintendant  
of Secondary Education  
Butler Senior High School

# THE ART INSTITUTE OF PITTSBURGH

## AS/BS Degree Course Matrix

<b>The Art Institute of Pittsburgh</b>		<b>Butler Senior High School</b>	
<b>CC114 Fundamentals of Media Communications (3) Credits</b>		<b>Television Production Part I</b>	
<b>VP131 Scriptwriting I (3) Credits</b>		<b>Television Production Part II</b>	
<b>VP120 Video I (3) Credits</b>		<b>Advanced Television Production</b>	
<b>CPU101 Computer Literacy (3) Credits</b>		<b>Computer Applications II</b>	
<b>WS121 Fundamentals of the World Wide Web (3) Credits</b>		<b>Web Publishing</b>	
<b>WS130 Web Site Development (3) Credits</b>		<b>Introduction to JAVA Programming</b>	

03/19/01

**THE ART INSTITUTE OF PITTSBURGH**  
**AS/BS Degree**  
**Course-to- Course Matrix**

<b>The Art Institute of Pittsburgh</b>		<b>Butler Senior High School</b>	
<b>CC110 Drawing (3) Credits</b>		<b>Drawing IV &amp; V</b>	
<b>GD130 Painting (3) Credits</b>		<b>Painting III</b>	
<b>INDT238 Ceramics I (3) Credits</b>  <b>INDT237 Jewelry I (3) Credits</b>		<b>Ceramics IV, V, &amp; VI</b>  <b>Jewelry II</b>	
<b>ID221 Introduction to AutoCAD (3) Credits</b>		<b>Computer-Aided Architecture &amp; Design</b>	

03/20/01

**THE ART INSTITUTE OF PITTSBURGH**  
**Program Matrix**

<b>The Art Institute of Pittsburgh</b>		<b>Butler Senior High School</b>	
<b>AS Programs</b>		<b>Class Equivalent</b>	
<b>General Education/Business</b> CPU101 Computer Literacy		Computer Application II	
<b>Video Production</b> CC114 Fundamentals of Media Communications VP131 Scriptwriting I VP120 Video I CPU101 Computer Literacy		Television Production Part I Television Production Part II Advanced Television Production Computer Application II	
<b>Graphic Design</b>  CPU101 Computer Literacy CC110 Drawing GD130 Painting		Computer Application II Drawing IV & V Painting III	
<b>Industrial Design</b>  CPU101 Computer Literacy INDT238 Ceramics I INDT237 Jewelry I		Computer Application II Ceramics IV, V, & VI Jewelry II	
<b>Multimedia &amp; Web Design</b>  CPU101 Computer Literacy WS121 Fundamentals of the World Wide Web WS130 Web Site Development		Computer Application II Web Publishing Intro to JAVA Programming	
<b>Interior Design</b>  ID221 Introduction to AutoCAD CPU101 Computer Literacy		Computer-Aided Architecture & Design Computer Application II	

03/20/01

# Notes/Questions