

**Developing a Seamless Pathway for Students Transitioning from a 2 Year  
Degree Ivy Tech Cybersecurity Program to a 4 Year Degree Cybersecurity  
Program at Purdue University Northwest**

**Budget Category**

**Year 1  
08/15/2017-08/14/2018**

**Ivy Tech - Columbus**

Pam Schmelz, 1 month summer

\$ 6,684

**Total Ivy Tech Personnel**

**Ivy Tech Fringe Benefits, 33%**

Pam Schmelz

\$ 2,206

**Total Ivy Tech Fringe Benefits**

**Other S&E**

Domestic Travel, lodging per diem

\$ 442

Domestic Travel - mileage

\$ 600

**Total Other S&E**

Direct Costs (Ivy Tech - Columbus)

\$ 9,932

Indirect Costs (Ivy Tech - Columbus), Rate of 50% salaries

\$ 3,342

**Total Costs (Ivy Tech - Columbus)**

\$ **13,274**

# **Developing a Seamless Pathway for Students Transitioning from a 2 Year Degree IVY Tech Security Program to a 4 Year Degree Security Program at Purdue University Northwest**

## **Scope of Work:**

- Meet quarterly at one of the four campus for a half day meeting (the lodging and travel, meals have been budgeted).
- Collaborate with other team members from Ivy Tech and PNW to map courses curriculum to CAE KUs, major topics, NIST KSAs.
- based on the mapping, the team will **a.** establish an articulation agreement between Ivy Tech and PNW CIT program, **b.** identify the knowledge gap for transfer students (based on the articulation)
- Collaborate with other team members from Ivy Tech to develop gap remediation mechanisms, including curriculum module sharing, extra-curriculum activities such as security clubs, competitions, and others.

## **Budget Narrative**

### **Senior Personnel:**

Pam Schmelz, Co-PI, salary support at 1 summer month. \$6,684.38

### **Benefits:**

Staff benefits are provided at rate of 33% of salaries - \$2,205.51.

### **Travel:**

Travel is provided for senior personnel Pam Schmelz to: partner meetings at Purdue NW; IVY TECH (Valparaiso) and IVY TECH (Fort Wayne). Program staff travel is allocated as follows:

### **Meeting at PNW Hammond campus:**

Travel from Columbus

Mileage -  $200 * 2 * 53.5 = \$214.00$

Lodging - 1 night \* \$99

Per Diem – 1 day \* \$59

### **Meeting at Ivy Tech Valparaiso Campus**

Travel from Columbus, IN to Valparaiso IN

Mileage -  $195 * 2 * \$53.5 = \$208.65$

Lodging - 1 night \* \$91

Per Diem- 1 day \* \$51

### **Meeting at Ivy Tech Fort Wayne Campus**

Travel from Columbus, IN to Fort Wayne, IN

Mileage –  $166 * 2 * 53.5 = \$177.62$

Lodging – 1 night \* \$91

Per Diem – 1 day \* \$51

### **Indirect costs:**

\$3,342.19. Indirect costs are charged at 50% of salaries and wages.

Subrecipient Commitment Form  
For NON-PHS Sponsored Projects

PURDUE UNIVERSITY INFORMATION (Purdue use only)

Coeus Number

00071541

Prime Sponsor

National Security Agency

Purdue PI Name

Manghui (Michael) Tu

Project Title

Developing a Seamless Pathway for Students Transitioning from a 2 Year Degree IVY Tech Security Program to a 4 Year Degree Security Program at Purdue University Northwest

SECTION A - CONTACT INFORMATION

1. Subrecipient Information:

Subrecipient Legal Name:

Ivy Tech - Columbus

Performance Site Address:

4475 Central Avenue, Columbus, IN

Duns #

072066681

Performance Site Congressional District:

Parent Entity DUNS Number (if applicable)

072066681

EIN

Sub Project Period:

8/15/2017-8/14/2018

Sponsor Dollars Requested:

\$13,274

2. Principal Investigator Contact Information

Legal Name

Pam Schmelz, Associate Professor/Department Chair

Phone

812-374-5214

Email

pschmelz@ivytech.edu

Address

4475 Central Avenue, Columbus, IN

### 3. Administrative/Contractual Contact Information

Name/Title

Brian Thomas, Executive Director Grants Office

Phone

317-916-7942

Email

bthomas164@ivytech.edu

Address

50 W. Fall Creek Park North Drive, Indianapolis, IN 46208

### 4. Single Audit Contact Information

Name/Title

Angela Blackwell

Phone

317-921-4728

Email

ablackwell27@ivytech.edu

Address

50 W. Fall Creek Parkway North Drive, Indianapolis, IN 46208

### 5. Financial Contact Information

Name/Title

Angela Blackwell

Phone

317-921-4728

Email

ablackwell27@ivytech.edu

Address

50 W. Fall Creek Parkway North Drive, Indianapolis, IN 46208

### SECTION B - PROPOSAL DOCUMENTS

☒ Statement of Work (Required)

☐ Other Support documents of all key personnel

☒ Budget & Budget Justification (Required)

☒ Subrecipient Commitment Form (Required)

☒ Biosketches

☐ Other

## SECTION C - CERTIFICATIONS

Our United States federally negotiated F&A rates for this type of work, or a reduced F&A rate that we hereby agree to accept.

- ☒ Our United States federally negotiated F&A rates for this type of work, or a reduced F&A rate that we hereby agree to accept. A copy of your U.S. F&A agreement or URL link to the agreement must be furnished to Purdue with this form. If a U.S. federally negotiated F&A rate is not available, the resulting award will only fund direct costs.
- ☐ No Negotiated Rate (requesting de minimis rate of 10%)

URL Link for F&A agreement OR Other rates (Please specify the basis on which the rate has been calculated in comments line below)

<https://www.ivytech.edu/about/3854.html>

### 3. Fringe Benefit Rates

The rates included in the proposal are calculated based on:

- ☒ Rates consistent with or lower than our federally negotiated rates a copy of your FB rate agreement or a URL link to the agreement must be furnished to Purdue with this form.

URL Link for Fringe Benefits OR Other rates (Please specify the basis on which the rate has been calculated in comments line below)

<https://www.ivytech.edu/about/3854.html>

### 4. Fiscal Responsibility - The organization certifies that its financial system is in accordance with generally accepted accounting principles and:

- ☒ Has the capability to identify, in its accounts, all federal awards received and expended and the federal programs under which they were received,
- ☒ Maintains internal controls to assure that it is managing federal awards in compliance with applicable laws, regulations, and the provisions of contracts or grants,
- ☒ Complies with applicable laws and regulations
- ☒ Can prepare appropriate financial statements, including the schedule of expenditures of federal awards
- ☒ There are no outstanding audit findings which would impact project costs. If there are findings, submit a copy of the report that describes the finding and steps to be taken to correct the finding

### 5. Subrecipient Business Status:

- ☐ Large Business
- ☐ Small Business
- ☒ Institution of Higher Education
- ☐ Alaska Native Corporation (ANC)
- ☐ Historic Black College or University/Minority Institution

If a small business, identify business classification (\*certified by the Small Business Administration):

- ☐ Small Disadvantaged Business (SDB)\* (8a)\*
- ☐ Women-Owned small business (WOSB)
- ☐ Small Minority Business (SMB)
- ☐ Veteran-owned small business (VOSB)
- ☐ Service disabled veteran-owned small business (SDVOSB)
- ☐ HUBZone small business\*

### 6. Debarment, Suspension, Proposed Debarment

Is Principal Investigator or any other employee or student participating in this project debarred, suspended, or otherwise excluded from or ineligible for participation in Federal Assistance Programs or activities? (if "YES" please explain in Section G Comments )

- ☐ Yes ☒ No

Subrecipient Organization/Institution hereby certifies that they: (Check all boxes below)

- ☒ Are not presently debarred, suspended, proposed for debarment, or declared ineligible for award of federal Contracts
- ☒ Are not presently indicted for, or otherwise criminally or civilly charged by a government agency.
- ☒ Have not within(3)been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or Local) contract or subcontract violation of Federal or State antitrust statutes relating to the submission of offers or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records making false statements or receiving stolen property.

## 7. Human Subjects

Does this project involve Human Subjects?

☐ Yes ☒ No

Research Exempt?

☐ Yes ☐ No

Research Exemption Category (1-6).

Federalwide Assurance (FWA) #

If "YES," Copies of the IRB approval must be provided before any subaward will be issued.

## 8. Animals

Does this project involve Vertebrate Animals?

☐ Yes ☒ No

Animal Welfare Assurance Number:

If "YES," Copies of the IACUC approval must be provided before any subaward will be issued.

## 9. Responsible Conduct in Research Education (Applies to NSF and NIFA/USDA Projects Only)

NSF

- ☒ The Authorized Organizational Representative of the applicant institution is certifying that, in accordance with the NSF Proposal & Award Policies & Procedures Guide, Part II, Award & Administration Guide (AAG) Chapter IV.B., the institution has a plan in place to provide appropriate training and oversight in the responsible and ethical conduct of research to undergraduates, graduate students and postdoctoral researchers who will be supported by NSF to conduct research.

NIFA/USDA

- ☐ The Authorized Organizational Representative of the applicant institution is certifying that upon acceptance of a subaward of National Institutes of Food and Agriculture (NIFA/USDA) funds with terms and conditions on or after February 1, 2013; the institution has or will develop procedures to comply with responsible and ethical conduct of research training requirements for personnel (including faculty) participating in the project.

## SECTION D - SINGLE AUDIT STATUS

Does the subrecipient receive an annual audit in accordance with OMB Circular A-133 (prior to 12/26/2014) or OMB's Uniform Guidance, 2 CFR 200 (after 12/26/2014)?

☒ Yes ☐ No

Were any audit findings reported in your most recent single audit?

☐ Yes ☒ No

Fiscal year of most recent single audit

If "YES," provide a description of the finding in the comments section below

Subrecipients receiving an annual single audit are required to provide a copy of the most recent single audit report or the URL link to Purdue University Sponsored Programs before a subaward will be issued.

<https://www.ivytech.edu/about/3854.html>

If subrecipient does not receive an annual single audit in accordance with OMB Circular A-133 (prior to 12/26/2014) or OMB's Uniform Guidance, 2 CFR 200 (after 12/26/2014), please select the appropriate box indicating why the subrecipient would not be subject to compliance with single audit certification: (check all that apply)

- ☐ Subrecipient receives overall federal funding less than \$500,000 per year?
- ☐ Subrecipient receives overall federal funding less than \$750,000 per year? (after 12/26/2014)
- ☐ Non-Profit entity (under federal funding threshold)
- ☐ Government Entity
- ☐ Foreign Entity
- ☐ Federal Agency
- ☐ For - Profit Entity

#### SECTION E - CONFLICT OF INTEREST

Does the subrecipient Organization/Institution have an active, current, and enforced Financial Conflict of Interest (FCOI) policy that is consistent with the provision of 42 CFR Part 50, Subpart F "Responsibility of Applicants for Promoting Objectivity in Research"?

If "YES" Certify the following:

- ☒ Certifies all financial disclosures have been made related to the activities proposed through the sub-contract.

If "NO" select one of the following:

- ☐ Agree to abide by Purdue's Individual Financial Conflicts of Interest (111.B.2), available at: <http://www.purdue.edu/policies/ethics/iib2.html>, and follow Purdue's FCOI disclosure and management processes.
- ☐ Agree to implement the FDP Model Financial Conflict of Interest Policy, available at: [http://sites.nationalacademies.org/PGA/fdp/PGA\\_061001](http://sites.nationalacademies.org/PGA/fdp/PGA_061001)

If "NO" please list all investigators as defined here: "A project director, a principal investigator of a research project and any other person, regardless of title or position, who is responsible for the design, conduct or reporting of research or project results at or involving Purdue, including Employees, subgrantess, contractors, subcontractors, collaborators and consultants."

Name

Email Address

Name

Email Address

Name

Email Address

Name

Email Address

## Section F - Federal Funding Accountability and Transparency Act (FFATA) Information

The names and total compensation of the five most compensated officers of the entity(ies) must be listed if -- (i) the entity in the preceding fiscal year received (i) 80 percent or more of its annual gross revenues in federal awards (federal contracts (and subcontracts), loans, grants, (and subgrants) and cooperative agreements); AND  
(ii) \$25,000,000 or more in annual gross revenues from Federal awards; AND  
(iii) the public does not have access to information about the compensation of the senior executives of the entity through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d) or section 6104 of the Internal Revenue Code of 1986

☒ Is subaward entity exempt from reporting executive compensation? If NO, please complete the information below.

Officer 1 Name

Officer 1 Compensation

Officer 2 Name

Officer 2 Compensation

Officer 3 Name

Officer 3 Compensation

Officer 4 Name

Officer 4 Compensation

Officer 5 Name

Officer 5 Compensation

## SECTION G - COMMENTS

## SECTION H - SIGNATURES

The Information, certification, and representations above have been read, signed, and made by an authorized official of the subrecipient named herein. The appropriate programmatic and administrative personnel involved in this application are aware of those policies. Any work begun and/or expenses incurred prior to execution of a subaward agreement are at the subrecipient's own risk.

Printed Name and Title

Email

Phone

Signature of Authorized Official

Date



## COLLEGES AND UNIVERSITIES RATE AGREEMENT

EIN: 1351180631A1

DATE: 06/10/2013

ORGANIZATION:

FILING REF.: The preceding  
agreement was dated  
08/16/2011

Ivy Tech Community College  
(Formerly Ivy Tech State College)

One West 26th Street

P.O. Box 1763

Indianapolis, IN 46206-1763

The rates approved in this agreement are for use on grants, contracts and other agreements with the Federal Government, subject to the conditions in Section III.

### SECTION I: Facilities And Administrative Cost Rates

RATE TYPES:      FIXED              FINAL              PROV. (PROVISIONAL)              PRED. (PREDETERMINED)

#### EFFECTIVE PERIOD

<u>TYPE</u>	<u>FROM</u>	<u>TO</u>	<u>RATE (%)</u>	<u>LOCATION</u>	<u>APPLICABLE TO</u>
PRED.	07/01/2013	06/30/2017	50.00	On Campus	All Programs
PRED.	07/01/2013	06/30/2017	23.00	Off Campus	All Programs
PROV.	07/01/2017	Until Amended		"Use same rates and conditions as those cited for FYE 6/30/17."	

#### \*BASE

Direct salaries and wages including vacation, holiday, sick pay and other paid absences but excluding all other fringe benefits.

ORGANIZATION: Ivy Tech Community College (Formerly Ivy Tech State College)

AGREEMENT DATE: 6/10/2013

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**SECTION II: SPECIAL REMARKS**

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TREATMENT OF FRINGE BENEFITS:

The fringe benefits are specifically identified to each employee and are charged individually as direct costs. The directly claimed fringe benefits are listed below.

TREATMENT OF PAID ABSENCES

Vacation, holiday, sick leave pay and other paid absences are included in salaries and wages and are claimed on grants, contracts and other agreements as part of the normal cost for salaries and wages. Separate claims are not made for the cost of these paid absences.

OFF-CAMPUS DEFINITION: For all activities performed in facilities not owned by the institution and to which rent is directly allocated to the project(s) the off-campus rate will apply. Grants or contracts will not be subject to more than one F&A cost rate. If more than 50% of a project is performed off-campus, the off-campus rate will apply to the entire project.

Equipment Definition -

Equipment means an article of nonexpendable, tangible personal property having a useful life of more than one year and an acquisition cost of \$3,000 or more per unit.

FRINGE BENEFITS:

FICA

TIAA/CREF

Retirement

Disability Insurance

Worker's Compensation

Life Insurance

Unemployment Insurance

Health Insurance

Tuition Remission

ORGANIZATION: Ivy Tech Community College (Formerly Ivy Tech State College)

AGREEMENT DATE: 6/10/2013

### SECTION III: GENERAL

#### A. LIMITATIONS:

The rates in this Agreement are subject to any statutory or administrative limitations and apply to a given grant, contract or other agreement only to the extent that funds are available. Acceptance of the rates is subject to the following conditions: (1) Only costs incurred by the organization were included in its facilities and administrative cost pools as finally accepted; such costs are legal obligations of the organization and are allowable under the governing cost principles; (2) The same costs that have been treated as facilities and administrative costs are not claimed as direct costs; (3) Similar types of costs have been accorded consistent accounting treatment; and (4) The information provided by the organization which was used to establish the rates is not later found to be materially incomplete or inaccurate by the Federal Government. In such situations the rate(s) would be subject to renegotiation at the discretion of the Federal Government.

#### B. ACCOUNTING CHANGES:

This Agreement is based on the accounting system purported by the organization to be in effect during the Agreement period. Changes to the method of accounting for costs which affect the amount of reimbursement resulting from the use of this Agreement require prior approval of the authorized representative of the cognizant agency. Such changes include, but are not limited to, changes in the charging of a particular type of cost from facilities and administrative to direct. Failure to obtain approval may result in cost disallowances.

#### C. FIXED RATES:

If a fixed rate is in this Agreement, it is based on an estimate of the costs for the period covered by the rate. When the actual costs for this period are determined, an adjustment will be made to a rate of a future year(s) to compensate for the difference between the costs used to establish the fixed rate and actual costs.

#### D. USE BY OTHER FEDERAL AGENCIES:

The rates in this Agreement were approved in accordance with the authority in Office of Management and Budget Circular A-21, and should be applied to grants, contracts and other agreements covered by this Circular, subject to any limitations in A above. The organization may provide copies of the Agreement to other Federal Agencies to give them early notification of the Agreement.

#### E. OTHER:

If any Federal contract, grant or other agreement is reimbursing facilities and administrative costs by a means other than the approved rate(s) in this Agreement, the organization should (1) credit such costs to the affected programs, and (2) apply the approved rate(s) to the appropriate base to identify the proper amount of facilities and administrative costs allocable to these programs.

BY THE INSTITUTION:

Ivy Tech Community College (Formerly Ivy Tech State College)

(INSTITUTION)

(SIGNATURE)

Christopher A. Ruhl

(NAME)

SVP/CFO

(TITLE)

6/19/2013

(DATE)

ON BEHALF OF THE FEDERAL GOVERNMENT:

DEPARTMENT OF HEALTH AND HUMAN SERVICES

(AGENCY)

(SIGNATURE)

Arif Karim

(NAME)

Director, Division of Cost Allocation

(TITLE)

6/10/2013

(DATE) 5594

BHS REPRESENTATIVE:

Narendra Gandhi

Telephone:

(214) 767-3261

**Pam Schmelz**  
Associate Professor  
Ivy Tech Community College – Columbus Campus  
4475 Central Ave  
Columbus, Indiana 47203  
812-374-5214  
[pschmelz@ivytech.edu](mailto:pschmelz@ivytech.edu)

## **Education**

**Master of Business Administration**, May, 1999, Indiana Wesleyan University, Marion, IN  
**Bachelor of Science**, Electrical Engineering, December, 1992, Purdue University, West Lafayette, IN

## **Work Experience**

Ivy Tech Community College, School of Computing and Informatics, Columbus IN., Associate Professor and Department Chair, August 2014 through **Present**.

Ivy Tech Community College, School of Business, Columbus IN. Associate Professor of Information Security, August 2013 through May 2014.

Ivy Tech Community College, School of Business, Columbus IN. Assistant Professor of Information Security and Program Chair, August 2010 through May 2012

Ivy Tech Community College, School of Business, Columbus IN. Instructor of Information Security and Program Chair, August 2008 through August 2010.

Ivy Tech Community College, School of Business, Columbus IN. Adjunct Computing Instructor, August 2004 through August 2008.

University of Phoenix, Adjunct Computing Instructor, May 2005 through May 2014.

## **Professional Presentations**

Schmelz, P. (2012). Data Security – What You Need to Know. Presented at the International Association of Administrative Professionals Indiana Division Professional Education Conference, Columbus, IN.

Schmelz, P & Worden, W. (2015). Raspberry Pi lab, Presented at the Cengage Computing Conference, Phoenix, AZ.

Schmelz, P (2012). How to create an Information Security program at a two year college. Presented at the Cengage Computing Conference, San Antonio, TX.

## **Courses Taught**

CSIA105  
CSIA210  
CSIA215  
CSIA225  
CSIA260  
NETI105  
NETI115  
SDEV120  
Student Success in Computing & Informatics (IVYT 115)

## **Courses Developed for the Ivy Tech Community College System**

CSIA105  
CSIA106  
CSIA260  
NETI105  
NETI115

## **Professional Organizations**

(ISC)2

## **Certifications**

Certified Information Systems Security Professional (CISSP)  
MTA Security  
MTA Networking  
Microsoft Office 2010 Master  
Master Teacher, Ivy Tech Community College  
Online Faculty Certification, Ivy Tech Community College  
Online Faculty Mentor Certification, Ivy Tech Community College  
Blackboard 9.1 Certification, Ivy Tech Community College  
Applying the QM Rubric, Quality Matters  
Applying the QM Rubric 2014 Update, Quality Matters  
Peer Reviewer, Quality Matters

## **Awards**

President's Award for Instructional Excellence, 2012-2013

## **Community Service**

Columbus City Band  
Lincoln Center Figure Skating Club  
St. Bartholomew Catholic Church Brass Choir  
Sponsor two Haitian student's education; one elementary school and one college