

Form NP

NEW PROGRAM PROPOSAL FORM

Sponsoring Institution(s): Maryville University

Program Title: Masters in Cybersecurity

Degree/Certificate: MS Degree

Options: \_\_\_\_\_

Delivery Site(s): Maryville University St Louis Missouri

CIP Classification: 29.0207 (Please provide a CIP code)

Implementation Date: 9/1/15

Cooperative Partners: none

Expected Date of First Graduation: December 2016

**AUTHORIZATION**

**Dr. Mary Ellen Finch,  
Vice President of  
Academic Affairs**



9/1/15

Name/Title of Institutional Officer

Signature

Date

**Dr Melissa Griswold,  
Dean, John E. Simon  
School of Business**

314-529-6893

Person to Contact for More Information

Telephone

**Form SE**

**STUDENT ENROLLMENT PROJECTIONS**

Year	1 Fall 2015 – Spring 2016	2 Fall 2016 – Spring 2017	3 Fall 2017 – Spring 2018	4 Fall 2018 – Spring 2019	5 Fall 2019 – Spring 2020
Full Time	2 (60 hrs)	20 (600 hrs)	36 (1080 hrs)	36 (1080 hrs)	36 (1080 hrs)
Part Time	17 (255 hrs)	83 (1245 hrs)	126 (1890 hrs)	126 (1890 hrs)	126 (1890 hrs)
Total	19 (315 hrs)	103 (1845 hrs)	162 (2970 hrs)	162 (2970 hrs)	162 (2970 hrs)

**Form PS**

**A. Total credits required for graduation: 30**

**B. Residency requirements, if any:**

**C. General education: Total credits:**

Courses (specific courses OR distribution area and credits):

**D. Major requirements: Total Credits: 30 credits**

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ISYS-600 Controls for Effective Cyber Defense ISYS-600 Controls for Effective Cyber Defense	3 cr	ISYS-685 Incident Handling and Breaches ISYS-685 Incident Handling and Breaches	3 cr
ISYS-670 Pen Testing ISYS-670 Pen Testing	3 cr	ISYS-691 Legal Aspects of Privacy and Compliance ISYS-691 Legal Aspects of Privacy and Compliance	3 cr
ISYS-671 Advanced Pen Testing ISYS-671 Advanced Pen Testing	3 cr		
ISYS-674 Cryptography and Network Security ISYS-674 Cryptography and Network Security	3 cr		
ISYS-675 Mobile Device Hacking and Forensics ISYS-675 Mobile Device Hacking and Forensics	3 cr		
ISYS-680 Security Log Management and Analysis ISYS-680 Security Log Management and Analysis	3 cr		
ISYS-681 Designing and Implementing Cloud Security ISYS-681 Designing and Implementing Cloud Security	3 cr		
ISYS-684 Forensic Examination and Analysis ISYS-684 Forensic Examination and Analysis	3 cr		

**E. Free elective credits: 0 0**

Form PG

PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Institution Name Maryville University St Louis

Program Name Master of Cybersecurity

Date May 26, 2015

(Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below. Quantification of performance goals should be included wherever possible.)

Student Preparation

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.

**There are no additional requirements for students to enroll in the cybersecurity major once they are admitted to the University. If a student does not have an undergraduate degree in business, the graduate intro to business class (BUS-501) will be required.**

- Characteristics of a specific population to be served, if applicable.

**No special characteristics.**

Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.

**A terminal degree in a related business or technical area is preferred. Faculty must have a minimum of a Masters degree in an IT or Cybersecurity related field. Prior teaching experience and relevant business experience are required.**

- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.

**Including the business core, it is estimated that 20% of the credit hours will be instructed by full time faculty.**

- Expectations for professional activities, special student contact, teaching/learning innovation.

**Faculty teaching in the program will be expected to serve as student advisors and mentors, be available for regular office hours, and engage in ongoing professional development and**

**scholarly activity in the field. Additionally, they will be innovative with technology applications to the cyber security field.**

#### Enrollment Projections

- Student FTE majoring in program by the end of five years.  
**162 FTE.**
- Percent of full time and part time enrollment by the end of five years.  
**20% Full-time and 80% part time enrollment by end of five years.**

#### Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.  
**162 graduates 3 years after implementation. 162 graduates five years after implementation.**
- Special skills specific to the program.  
**Cybersecurity analysis and computer forensic skills.**
- Proportion of students who will achieve licensing, certification, or registration.  
**Not Applicable.**
- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.  
**Not Applicable.**
- Placement rates in related fields, in other fields, unemployed.  
**No data is currently available since program has not begun although reference Bureau of Labor Statistics discussion above.**  
  
Transfer rates, continuous study.  
  
**Students will be unable to transfer credits into the program because of the ACBSP requirement that student's have 30 credits at the graduate level.**

#### Program Accreditation

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. If there are no plans to seek specialized accreditation, please provide reasons.

**All Maryville programs are regionally accredited by the Higher Learning Commission. John E. Simon School of Business programs are accredited by ACBSP (Accrediting Council for Business Schools and Programs). The School just received 10 year reaccreditation in June 2012.**

#### Alumni and Employer Survey

- Expected satisfaction rates for alumni, including timing and method of surveys

**Alumni will be surveyed 2 years and 5 years after graduation.**

- Expected satisfaction rates for employers, including timing and method of surveys.

**Employers will be surveyed annually as part of the capstone experience.**