

MISSOURI DEPARTMENT OF HIGHER EDUCATION

FORM NP: NEW PROGRAM PROPOSAL FORM

Sponsoring Institution(s): Washington University

Program Title: Master of Engineering in Robotics

Degree/Certificate: degree

Options: _None_____

Delivery Site(s): Washington University, Danforth Campus

CIP Classification: 14.2701

Implementation Date: Fall 2010

Cooperative Partners: _None_____

Expected Date of First Graduation: Spring 2012

AUTHORIZATION

Name/Title of Institutional Officer:

Edward S. Macias, Provost

Signature _____ Date _____

Person to Contact for More Information:

Susan E. Hosack, Director, Office of Student Records/Registrar

Telephone: (314) 935-5567

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Form SE: STUDENT ENROLLMENT PROJECTIONS

Year	1	2	3	4	5
Full Time					
Part Time					
Total	Unknown	Unknown	Unknown	Unknown	Unknown

Form PS: PROGRAM STRUCTURE

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

B. Residency requirements, if any: **24 units**

C. General education: Total credits: None _____

Courses (specific courses OR distribution area and credits):

_____ cr. _____ cr. _____ cr.

D. Major requirements: Total credits: **12 credits**

ESE 446 3cr. ESE 447 3cr. ESE 551 3cr. CSE 550A 3cr.

E. Free elective credits: **18 units** (Sum of C, D, and E should equal A.)

F. Requirements for thesis, internship or other capstone experience:

None _____

G. Any unique features such as interdepartmental cooperation: _____

This program is supported by the Dept of Electrical and Systems Engineering, the Dept of Mechanical, Aerospace and Structural Engineering, and the Dept of Computer Science and Engineering.

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Form PG: PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Institution Name: Washington University

Program Name: **Master of Engineering in Robotics**

Date: **March 15, 2010**

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

Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.
- 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.
- Expectations for professional activities, special student contact, teaching/learning innovation.

Enrollment Projections

- Student FTE majoring in program by the end of five years.
- Percent of full time and part time enrollment by the end of five years.

Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.
- Special skills specific to the program.
- Proportion of students who will achieve licensing, certification, or registration.
- 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.
- Placement rates in related fields, in other fields, unemployed.
- Transfer rates, continuous study.

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.

Alumni and Employer Survey

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