**FACULTY AGENDA ITEM**

Date: November 1, 2019

Submitted by: Craig A. Haugsness, Ph.D., 3102

SUBJECT: Addition of a Technology Administration minor within the Technology Administration program

Description:

The addition of a Technology Administration minor will allow students not majoring in the Technology Administration program to add a technology focus as a part of their major program. The Technology Administration minor will provide a stronger and more flexible program to meet student needs in an understanding of the development, application and administration of a wide range of technologies. Current technologies will be explored as well as topics such as early urban development, water management, and agricultural technologies.

Rationale: *Why is this being recommended? For curriculum items, rationale should include student learning assessment data used for curricular change. Rationale may also include, but not be limited to, labor market data, enrollment increase/decrease, accreditation requirement changes, and student course feedback information.*

Students have expressed an interest in a Technology Administration minor. A current student has undertaken a dual major in Health Services Administration and Technology Administration. Academic advisors have asked about the possibility of a Technology Administration minor. The Technology Administration minor will provide the non-Technology Administration major students with an understanding of the essentials of technology development, practices and management. Students in business, communication studies, mass media, public administration and other areas may find the Technology Administration minor helps them to understand the technological challenges they will face in their careers.

Financial Implications: *Costs involved (none, new faculty, adjunct replacement, additional operating costs, etc)*

No additional costs are expected at this time.

Proposed Effective Date: *Identify the implementation date of the proposed agenda item.*

Fall semester of 2020

Request for Action: *Approval by AAC/.FAC/FS/ Gen Fac, etc*

Approved by: *AAC on date 11/.25/.2019*

*FAC on date*

*Faculty Senate on date 12/.2/.2019*

Attachments Yes ☐ No ☐

# SAS Program Change Request Form

Date of Submission: October 2, 2019 Submitted by: Craig A. Haugsness, Ph.D.
Identify the nature of the request: X New Program _____ Modification _____ Deletion
Mode of delivery: on-line

Rationale must be attached which includes assessment data to support request. (*Note: submissions will not be accepted which do not include assessment information.)*

Effective Date for Implementation: Fall 2020

## New Programs

_x_ Official Program Name and Associated Degree (e.g., Forestry Studies - BA)
_x_ Recommended CIP Code for Program (required by KBOR/HLC/Dept of Ed before the program can be approved - See IPEDS.
_x_ Rationale for Offering the Program (including environmental studies regarding the need for/interest in this program).
_x_ Exact Catalog Description (including both program description and curriculum requirements).
_x_ Completed Program Assessment Plan (developed in conjunction with the Assessment Coordinator)
_x_ Financial Implications (Include pro forma if new/reallocated funds required - template is available from me. By the way, this should hardly ever be None because some faculty will be teaching these courses instead of the courses they were previously teaching)
_x_ List of Faculty Members Teaching in the Program/Required Credentials if new hires
_x_ Availability of Office Space (if new faculty to be hired)
_x_ Adequacy of Library Holdings

## Program Modification

___Provide a copy of existing curriculum.
___Provide a copy of the proposed curriculum.
___Describe and detail all differences between current and proposed curriculum.
___Describe the impact of changes on faculty/adjunct resources.
___Provide budget information (i.e., requests for or reductions in adjuncts, faculty, books, equipment, etc.)

## Deletion of Program

___Identify number of current majors
___Submit a timeline for the phase out of program.

___Describe how current program resources (i.e., equipment, etc.) will be reallocated
___Describe how existing majors will be able to complete their requirements.
___Describe the impact of changes on faculty/adjunct resources.

Department Approval: Michelle Shipley Date: 10/2/19

C&P Approval: Zach Frank Date: 10/24/19

Faculty Council Approval: Zach Frank Date: 10/25/19

Dean Approval: Pat Mess Date: 10/25/19

Auditors in Registrar's Office Notified: _____ Date: _____

# Technology Administration Minor

## New Program - supporting documentation

- **Official Program Name and Associated Degree (e.g., Forestry Studies - BA)**
  Technology Administration - minor
- **Recommended CIP Code for Program (required by KBOR/HLC/Dept of Ed before the program can be approved - See IPEDS**
  30.1501
- **Rationale for Offering the Program (including environmental studies regarding the need for/interest in this program)**
  The addition of the Technology Administration minor to allows Washburn University to accomplish two important goals:
  - Better serve students
  - Serve more students

  First, the addition of the proposed change will allow students not majoring in the Technology Administration program to add a technology focus as a part of their major program. Second, these additions will allow us to serve more students locally, state-wide, nationally and internationally. Additionally, the Technology Administration minor will provide a stronger and more flexible program to meet student needs in an understanding of the development, application and administration of a wide range of technologies.

  Students have expressed an interest in a Technology Administration minor. Academic advisors have also asked if a Technology Administration minor was available. As the Technology Administration program grows, opportunities increase to serve more students.

- **Exact Catalog Description (including both program description and curriculum requirements)**
  Technology Administration Minor
  The Technology Administration minor is designed to provide the non-Technology Administration student with an understanding of the essentials of technology

development, methods and practices. Students in business, communication studies, mass media, public administration and other areas may find the Technology Administration minor helps them to understand the technological challenges they will face in their careers.

Students must successfully complete a total of 15 credit hours as specified below.

Required Courses (9 credit hours):
TA 300 Evolution & Development of Technology
TA 310 Technology & Society
TA 400 Technology Administration

Two of the following courses (6 credit hours):
TA 320 System Design, Assessment & Evaluation
TA 330 Safety Analysis and Quality Assurance
TA 340 Technology Policy
TA 380 Technology & the Future
TA 381 Technology and Ecology
TA 410 Technology Planning
(Please see the attachment for the individual course description.)

- **Completed Program Assessment Plan (developed in conjunction with the Assessment Coordinator)**
  Consultation with university assessment coordinator indicated that minors made up of courses that are part of the major do not require an additional assessment plan. Each of the courses associated with this minor are part of the major and thus an additional assessment plan is not required.
- **Financial Implications**
  No immediate budget change is expected. Required and elective courses are drawn from existing courses.

Proposed Curriculum- Technology Administration Minor

Students must successfully complete a total of 15 hours as specified below.

| Course Title | Course Description |
|---|---|
| Required Courses | |
| TA 300 Evolution & Development of Technology | This course includes a historical account of the development and innovation of technology. Emphasis is on the development of scientific knowledge and its relationship to inventions, their role in careers and impact on civilization.<br>3.000 Credit hours |
| TA 310 Technology & Society | Course will focus on current technology in the context of historical development and the effect of technology on today's society. Students will develop critical analysis of technological innovation through a variety of readings, research and projects.<br>3.000 Credit hours |
| TA 400 Technology Administration | This course provides an introduction to several core concepts in technology management and the role of managers of technology in their respective organizations. The course will cover topics such as technology strategy, effective use of resources, the impacts of technology systems, funding technology and ethical approaches to using and managing technology.<br>3.000 Credit hours |
| TA 410 Technology Planning | Reviews the theoretical and practical issues of planning in the area of technology. Outlines strategies to implement planning procedures for technological development from the point of view of technical, economic, managerial, and environmental considerations. The focus is on the application of these planning methodologies in specific manufacturing or service industries.<br>3.000 Credit hours |
| Select one of the following courses | |
| TA 320 System Design, Assessment & Evaluation | This course provides practice in skills to analyze organizational opportunities and evaluates systems using techniques such as flow charts, cause and effect diagrams and others to determine how systems can be utilized to meet organizational challenges. The course will cover such topics as systems planning, analysis, design, testing, implementation and maintenance. Prerequisite: MA 110, or MA 112, or MA 116, or MA 140.<br>3.000 Credit hours |

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|---|---|
| TA 330 Safety Analysis and Quality Assurance | The purpose of the course is to review the organization of accident prevention programs, job hazards, accident cost control, and planning and maintaining a safe environment. The course includes analysis of data, including the use of statistical process control, risk management, and quality assurance issues such as inspections, reports, and external standards of federal, state and local agencies.<br>3.000 Credit hours |
| TA 340 Technology Policy | This course will provide an in-depth study of policy and law practices relating to technology. The course will deal with technology policy, legal ramification in relation to local environments, state, national and international communities. Consideration in the course will deal with issues such as technological efficiency, socio-economic development, environment, security and others. Special emphasis will be given to the political process in which technology policies are shaped in public and private organization.<br>3.000 Credit hours |
| TA 380 Technology & the Future | This course will examine applications of a variety of predication tools and techniques to forecast future developments in their career field. Outcomes will include identification and implementation of strategies to create a desired future in an operation, production or market. Prerequisite: (MA 110 or MA 112 or MA 116) and EN 101.<br>3.000 Credit hours |
| TA 381 Technology and Ecology | The purpose of the course is to examine ecological policy in terms of technology and innovation, including the political, geographical, legal and social contexts in which technological innovation occurs. The course will examine conflicts between innovation and resources, risk assessment, national and global impact, and scale of consequences.<br>3.000 Credit hours |