New Proposal

Date Submitted: 01/19/22 9:08 am

Viewing: **Health Technology Interdisciplinary Minor, UG**

Last edit: 01/19/22 9:08 am

Changes proposed by: Nicole Holtzclaw-Stone
Proposal Type

Proposal Type:
Minor (ex. European Union Studies)

Administration Details

Official Program Name
Health Technology Interdisciplinary Minor, UG

Sponsor College
Applied Health Sciences

Sponsor Department
Kinesiology and Community Health

Sponsor Name
Wendy A. Rogers

Sponsor Email
wendyr@illinois.edu

College Contact
Reggie Alston
Email
alston@illinois.edu

College Budget Officer
Suzanne Rinehart

College Budget Officer Email
srinehar@illinois.edu

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Nicole Holtzclaw-Stone (holtzcla@illinois.edu)

Does this program have inter-departmental administration?
No
Provide a brief, concise description (not justification) of your proposal.

Proposal to establish the Health Technology Interdisciplinary Minor for undergrads

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

Program Justification
We propose to deliver an undergraduate Health Technology Interdisciplinary Minor aimed towards students both inside and outside the College of Applied Health Sciences. Specifically, this minor is directed towards students interested in professions that intersect technology and healthcare. The proposed minor provides some depth in the area of Health Technology, but not as extensive as a major in Health Technology would. Students will gain foundational knowledge in health technology overall, introductory computer programming, and human factors through the 13-14 hours of required coursework. The additional 6 hours of electives will deepen this knowledge, but are far short of the typical requirements for affiliated majors.

The Minor requirements include:

1. Completion of four required core courses (13-14 hours) to provide students with foundational knowledge about the broad field of health technology and background in human factors and computer programming.

2. A combination of elective hours in two courses (6 hours total) to deepen a student’s knowledge in health technology. One elective will be chosen from the list of approved courses in Health and Human Behavior. One elective will be chosen from the list of approved courses in Engineering/Computing/Information Science.

3. A minimum of 19 hours total including 6 hours of 300/400 level hours are required.

The interdisciplinary nature of this minor requires collaboration across Colleges and Schools at University of Illinois Urbana-Champaign. In addition to the Department of Kinesiology and Community Health in the College of Applied Health Sciences (AHS), which will administer the program, the minor includes departments in the Grainger College of Engineering (Grainger), and the School of Information Science (iSchool). The list of departments included in the minor is as follows:

Community Health, AHS
Computer Science, Grainger
Electrical and Computer Engineering, Grainger
Industrial & Enterprise Systems Engineering, Grainger
Interdisciplinary Health, AHS
Information Science, iSchool
Kinesiology, AHS
Speech and Hearing Science, AHS
Recreation, Sport, and Tourism; AHS

Students will be required to take four courses:
1. CHLH 203: Introduction to Health Technology (3 hours)
2. IE 340: Human Factors (4 hours)
3. CHLH 441: Health Technology and Health Behavior (3 hours)
4. CS 101: Intro Computing: Engrg & Sci (3 hours)

or
Choose two electives:
1. Choose one from Health & Human Behavior (3 hours)
2. Choose one from Engineering/Computing/Information Science (3 hours)

Health & Human Behavior electives:

CHLH 101: Introduction to Public Health
CHLH 250: Health Care Systems
CHLH 260: Introduction to Medical Ethics
CHLH 304: Foundations of Health Behavior
CHLH 393: Special Projects*
CHLH 470: Technology, Health, & Aging
CHLH 494: Special Topics*
IE 445: Human Performance and Cognition in Context
IHLT 232: Health Disparities in the U.S.
IHLT 240: Aging and Health Policy
IS 406: Cognition in the Wild
KIN 122: Physical Activity and Health
KIN 340: Soc & Psyc of Phys Activity
KIN 449: Rehabilitation Biomechanics
KIN 474: Tech-Driven Health Intervention
SHS 352: Hearing Health and Society
SHS 473: Augmentative & Alt Comm
RST 216: Technology in RST
RST 260: Disability in Recreation, Sport & Tourism
RST 316: Human Development and RST

Engineering/Computing/Information Science electives:

CS 446: Machine Learning
CS 465: User Interface Design
CS 466: Introduction to Bioinformatics
CS 467: Social Visualization
ECE 365: Data Science and Engineering
ECE 380: Biomedical Engineering
ECE 416: Biosensors
ECE 434: Mobile Computing & Application
ECE 437: Sensors and Instrumentation
IE 300: Analysis of Data
IE 397/497: Independent Study*
IE 398/498: Special Topics*
IE 405: Computing for ISE
IE 413: Simulation
IE 431: Design for Six Sigma
The timing is right to develop a new Health Technology Interdisciplinary Minor. University of Illinois Urbana-Champaign developments (e.g., the Carle-Illinois College of Medicine, Siebel Center for Design) combined with increased demand for professionals within health fields converge to support the development of this program. This proposal is faculty driven and includes agreement by faculty teaching CHLH and IE required courses; in fact, the faculty involved are excited about the prospect of a new minor. The proposed Health Technology Interdisciplinary Minor will educate the next generation of applied health care and engineering professionals in the design, development, testing, and use of new technologies that promote health, rehabilitation, mitigate disability, improve independence, and enhance quality of life. This includes bringing end-users (e.g., individuals with chronic conditions, older adults, persons with disabilities), industry professionals, and allied health professionals together with students and faculty in an interdisciplinary environment to identify existing problems and develop technologies to solve them.

Many societal factors have converged to create a vital need for an academic response to health care needs. Health technology for consumers is increasing rapidly, through forcing functions such as: (a) transitions to home healthcare; (b) an increasing aging population; (c) more people living with chronic conditions and/or disabilities; (d) rapidly emerging technologies in this domain (apps, smart phones, robotics, wearables); and (e) lower cost of technology components leading to broader availability. Consumer health technologies have tremendous potential that is not yet being met. There is often insufficient focus on users and an absence of an interdisciplinary emphasis during the design, development, and diffusion processes. There is a real need for a better-trained workforce in this sector.

Addressing this critical need, the College of Applied Health Sciences, in collaboration with the Grainger College of Engineering, and the School of Information Sciences, has developed a Health Technology Interdisciplinary Minor aimed at training professionals in improving the quality of life, health, and independence for people of all ages and abilities to maintain health and wellness; to manage chronic conditions; and recover from injury or medical treatment. The minor will be housed administratively within the Department of Kinesiology and Community Health and will forge important collaborations with units in the colleges listed above to prepare students for careers in the emerging industry of applied health technology.

In 2017, the College of AHS engaged Gies College of Business students in a study of interest in health fields and health technology in particular. There was overwhelming interest in the study of health technology as a field among students. Students
This minor will prepare students for jobs in a variety of fields and we expect students from various majors will be interested (e.g., business, engineering, pre-med, psychology, design). In addition, this minor will expose students to this burgeoning field and prepare them for post-graduate education.

We propose to deliver an undergraduate Health Technology Interdisciplinary Minor aimed towards students both inside and outside the College of Applied Health Sciences. Specifically, this minor is directed towards students interested in professions that intersect technology and healthcare. The proposed minor provides some depth in the area of Health Technology, but not as extensive as a major in Health Technology would. Students will gain foundational knowledge in health technology overall, introductory computer programming, and human factors through the 13-14 hours of required coursework. The additional 6 hours of electives will deepen this knowledge, but are far short of the typical requirements for affiliated majors.

**Instructional Resources**

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does this new program/proposed change result in the replacement of another program?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

Yes

**Required courses**

- CS 101 - Intro Computing: Engrg & Sci
- ECE 120 - Introduction to Computing
- CHLH 203 - Intro to Health Technology
- CHLH 441 - Health Behavior and Technology
- CS 124 - Intro to Computer Science I
- IE 340 - Human Factors

Explain how the inclusion or
removal of the courses/subjects listed above impacts the offering departments. We anticipate minimal impact on course enrollments in these courses. Departments are not asked to waive any prerequisites for courses, nor are they required to reserve seats for minor students in their courses.

Attach letters of support or acknowledgement from other departments.

Memorandum of Understanding UG Minor in HT-CS-signed.pdf
Memorandum of Understanding UG Minor in HT-SHS.pdf
Memorandum of Understanding UG Minor in HT-RST.pdf
Memorandum of Understanding UG Minor in HT-IS_signed.pdf
Memorandum of Understanding UG Minor in HT-IE.pdf
Memorandum of Understanding UG Minor in HT-ECE[1].pdf
FW_Health Technology Interdisciplinary Minor - response from Grainger.pdf

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

Programs Learning Objectives – students will learn:
1. health technology field overview
2. human factors methods and techniques
3. health behavior theory related to health technology
4. introductory computing skills relevant to health technology
5. deeper knowledge in health & human behavior
6. deeper knowledge in engineering/computing/information science

Passing grades in minor required and elective courses will signify student’s achievement of learning objectives. Further, regular use of ICES forms will be used to improve instruction in courses associated with the minor to enhance student learning.

Is the career/profession for graduates of this program regulated by the State of Illinois?
No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400-level courses. Except clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponsoring unit do not count
toward this total. The unit sponsoring the minor and that unit's college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?

Yes

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

For new programs, attach Statement for programs of study catalog.docx

Program of Study

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

The undergraduate Health Technology Interdisciplinary Minor focuses on the intersection of human factors, technology, and health. In this minor students will be introduced to the breadth of the field of health technology while being exposed to introductory computer programming skills and human factors. Through electives, students will further explore technical and health specific applications of health technology.

Statement for Programs of Study Catalog

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</tr>
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<tbody>
<tr>
<td>Required Courses:</td>
<td></td>
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<td>IE 340</td>
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<td>Choose a computing course:</td>
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<tr>
<td>(CS 125 can be substituted for computing course)</td>
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<td>Electives</td>
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### Program Features

**Academic Level** Undergraduate

- **Is this minor?**
  - An interdisciplinary study focusing on a single theme

- **Is This a Teacher Certification Program?**
  - No

- **Will specialized accreditation be sought for this program?**
No

Other than certification via the students’ degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?  

No

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Will the department limit enrollment to the minor?  

No

Describe how the department will monitor the admission to/enrollment in the minor.

The Health Technology Education Program will provide and coordinate at least two enrollment periods (Fall and Spring terms) for the minor each academic year. Students will complete the campus Intent to Pursue a Minor Form and meet with the Health Technology academic advisor at least once to discuss minor options. The minor will be open to all undergraduates. If the minor develops in popularity beyond the Health Technology Program’s ability to administer it effectively, the Department will develop an application system with additional requirements. This is a common method used in AHS to determine interest in the subject/program and ensure that students who apply are in good academic standing. The application may include a statement of interest in the topic of health technology and relevance to the student’s career goals.

Are there any prerequisites for the proposed minor?  

Yes

List the prerequisites including course titles and number of credit hours for each prerequisite course, and whether or not these prerequisites count in the total hours required for the minor.

A required course (IE 340) has a prerequisite of PSYC 100. Most students take PSYC 100 as a general education course. PSYC 100 hours do not count towards the total hours required for the minor.

Number of Students in Program (estimate)

Year One Estimate 5

5th Year Estimate (or when fully implemented) 30

Budget

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?
Financial Resources

How does the unit intend to financially support this proposal?

There are no foreseen budgetary implications to the proposed minor. It is expected that 30-50 students will enroll in the minor. The Department of Kinesiology and Community Health recently hired a dedicated teaching assistant professor who is scheduled to teach the Introduction to Health Technology (CHLH 203) regularly. All other courses are regularly taught by participating departments. The Health Technology Education Program (HTEP) Assistant Director will serve as minor academic advisor and has capacity to do so. If the minor grows in popularity (more than 50 students) and requires additional resources beyond the capacity of the HTEP Assistant Director, the department will review and reassess at that time. Current resources including classrooms and staff are adequate to include minor students.

Will the unit need to seek campus or other external resources?

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty,
students, and/or other impacted units as appropriate.

Attach File(s)

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

There is no impact on Library resources, collections, and services.

EP Documentation

EP Control Number
EP.22.066

Attach Rollback/Approval Notices

This proposal requires HLC inquiry

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

Program Code:

Minor Code Conc Code Degree Code Major Code

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

Effective Date:

Attached Document
Justification for this request

Program Reviewer Comments

Kristi Carlson (carlso1) (02/22/21 3:06 pm): Rollback: Rolling back for minor revisions

Deb Forgacs (dforgacs) (10/14/21 2:58 pm): Rollback: requested.

Suiwen Zou (szou) (11/04/21 2:03 pm): Program justification indicated that a study of student interest was conducted in 2017. It will make the justification stronger if more details/findings of the study are included to demonstrate student interests. In the "Statement for Programs of Study Catalog", CS 125 Introduction to Computer Science (4 hours) is missing in required courses.

Justin Aronoff (jaronoff) (11/04/21 2:52 pm): The program justification indicates that this was developed by AHS, the Grainger College of Engineering, and the School of Information Sciences, but it is not clear what role, if any, the Grainger College of Engineering and the School of Information Sciences has in administering and shaping this minor beyond providing classes.

Jon Welty-Peachey (jwpeach) (11/04/21 7:47 pm): I agree with the comments of my colleagues and do not have anything further to add.

Tim Hale (timhale) (11/05/21 7:30 am): I agree with the earlier comments and don't have anything new to add.

Mary Flaherty (maryflah) (11/05/21 9:19 am): The proposal is clear, the justification is very detailed. I do not have any additional comments to add.

Keiko Ishikawa (ishikak) (11/05/21 11:08 am): I agree with the comments above. Nothing to add. Thank you.

Reggie Alston (alston) (11/08/21 4:12 pm): Rollback: Hi Nicole, Please submit the minor changes suggested by the Ed. Pol Committee. Roll the proposal back to me upon addressing the comments. Thanks.

Barbara Lehman (bjlehman) (01/11/22 12:05 pm): Rollback: Rollback: rolling back at the request of Nicole Holtzclaw-Stone.
The Health Technology Interdisciplinary Minor focuses on the intersection of human factors, technology, and health. In this minor students will be introduced to the breadth of the field of health technology while being exposed to introductory computer programming skills and human factors. Through electives, students will further explore technical and health specific applications of health technology.

19 Hours in Total

Required courses:

- CHLH 203: Introduction to Health Technology (3 hours)
- IE 340: Human Factors (4 hours)
- CHLH 441: Health Technology and Health Behavior (3 hours)

Choose a CS course*:

- CS 101: Intro Computing: Engrg & Sci (3 hours)
- CS 124: Introduction to Computer Science I
- ECE 120: Intro to Computing (4 hours)

*CS 125 may be substituted for CS course

Choose two electives:

- Choose one from Health & Human Behavior (3 hours)
- Choose one from Engineering/Computing/Information Science (3 hours)

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<td>RST 216: Technology in RST</td>
<td>IS 316: The Design of Usable Information Interfaces</td>
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<td>*to be approved by Health Technology advisor</td>
<td>IS 459: Mobile Applications</td>
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Hi Reggie and Wendy,

See below a response from Brooke Newell at Grainger. She said the college has no objection to the proposal. Also included in her note, she says that BIOE has weighed in and they’re also fine with it.

Grainger would like CS 125 removed as an option since the course is no longer offered and suggests it be moved to an in-table note. The benefit of this is that it would not require another substantive change in a few years when CS 125 is a distant memory.

The easiest thing to do at this point is to roll the proposal back to you to make these changes.

1. Attach this email chain as documentation of outreach to Grainger and BioE.
2. Move the requirement from CS 125 to a note to the table saying that students who previously took CS 125 can substitute that course to fulfill the computing course requirement.

If that sounds good to you, I’ll ask Barb in the Senate office to roll the proposal back. The next EPC meeting is not until January 24, so there is plenty of time to get this clicked back up through the approval process before then.

Thanks,

Nolan

---

ILLINOIS

NOLAN H MILLER

Daniel and Cynthia Mah Helle Professor in Finance | Department of Finance
Director, Center for Business and Public Policy
Gies College of Business | University of Illinois at Urbana-Champaign
217.244.2847 | nmiller@illinois.edu | http://www.business.illinois.edu/nmiller

Under the Illinois Freedom of Information Act any written communication to or from university employees regarding university business is a public record and may be subject to public disclosure.
Subject: RE: Health Technology Interdisciplinary Minor

Nolan,

That is fine.

Thank you,

Brooke Newell, MPH
Academic Advisor & Undergraduate Curriculum Coordinator
The Grainger College of Engineering
The University of Illinois at Urbana-Champaign

From: Miller, Nolan H <nmiller@illinois.edu>
Sent: Thursday, January 06, 2022 1:28 PM
To: Newell, Brooke <bsnewell@illinois.edu>
Cc: Amos, Jenny <jamos@illinois.edu>
Subject: Re: Health Technology Interdisciplinary Minor

Thanks, Brooke. Do you mind if I forward your response to the sponsors and add it to the record in CIM-P?

Thanks,

Nolan

Sent from my iPad

On Jan 6, 2022, at 1:25 PM, Newell, Brooke <bsnewell@illinois.edu> wrote:

Jenny and Nolan,

I spoke with Jonathan Makela and he noted that he spoke with Rashid Bashir and Mark Anastasio (BioE), Jeff Shamma (ISE) and Kesh (ISE faculty who runs the Grainger College’s healthcare engineering systems center). While none were aware of the minor before we brought it to their attention, none objected to it. We do feel that CS 125 shouldn’t be listed since it isn’t offered anymore. The fact that other students might have taken it is a valid point, could they make an in-table note regarding an allowable substitution?

Best,
Brooke Newell, MPH
Academic Advisor & Undergraduate Curriculum Coordinator
The Grainger College of Engineering
The University of Illinois at Urbana-Champaign
Memorandum of Understanding Between the Department of Kinesiology and Community Health and Department of Industrial and Enterprise Systems Engineering

An agreement to participate in an Interdisciplinary Minor in Health Technology.

**Purpose:**

The Memorandum of Understanding allows courses listed in the attached appendix to be included in the Interdisciplinary Minor in Health Technology.

Students pursuing an Interdisciplinary Minor in Health Technology must meet all course prerequisites as defined by the Department in the class schedule. Further, students pursuing an Interdisciplinary Minor in Health Technology must register for the course following normal registration procedures and need not receive priority registration status.

**Signatures:**

By Jeff Shamma, Department of Industrial and Enterprise Systems Engineering Head

**Digitally signed by Jeff Shamma**

Date: 2021.09.23 02:19:40 -05'00'

By Kim Graber, Department of Kinesiology and Community Health Head

**Digitally signed by Kim Graber**

Date: 2021.07.15 09:02:48 -05'00'

**Cc:**

Nicole Holtzclaw-Stone, Assistant Director, Health Technology Education Program

Wendy A. Rogers, Director, Health Technology Education Program
Memorandum of Understanding Between the Department of Kinesiology and Community Health and Department of Industrial and Enterprise Systems Engineering

An agreement to participate in an Interdisciplinary Minor in Health Technology.

**HEALTH TECH**

**Interdisciplinary Minor in Health Technology**

18 hours minimum

**Required Courses:**

1. CHLH 101: Introduction to Public Health
2. CHLH 250: Health Care Systems
3. CHLH 304: Foundations of Health Behavior
4. CHLH 393: Special Projects*
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16. SHS 473: Augmentative & Alt Comm
17. RST 260: Disability in Recreation, Sport & Tourism

*to be approved by Health Technology advisor

**Two Electives:**

1. Choose one from Health & Human Behavior
2. Choose one from Engineering/Computing/Information Science

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Memorandum of Understanding Between the Department of Kinesiology and Community Health and Department of Computer Science

An agreement to participate in an Interdisciplinary Minor in Health Technology.

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Signatures:

By Nancy M. Amato, Department of Computer Science Head

By Kim Graber, Department of Kinesiology and Community Health Head

Cc:

Nicole Holtclaw-Stone, Assistant Director, Health Technology Education Program

Wendy A. Rogers, Director, Health Technology Education Program
Memorandum of Understanding Between the Department of Kinesiology and Community Health and Department of Computer Science

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HEALTH TECH

**Required Courses:**
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2. IE 340: Human Factors
3. CHLH 441: Health Technology and Health Behavior
   or
   CS 124: Introduction to Computer Science I
   or
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   or
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**Two Electives:**
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Memorandum of Understanding Between the Department of Kinesiology and Community Health and Department of Speech and Hearing Science

An agreement to participate in an Interdisciplinary Minor in Health Technology.

Purpose:

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Signatures:

Pamela A Hadley  
Digitally signed by Pamela A Hadley  
Date: 2021.09.24 16:47:30 -05'00'  
9/24/21

By Pamela Hadley, Department of Speech and Hearing Science Interim Head  
Date

Kim Graber  
Digitally signed by Kim Graber  
Date: 2021.07.15 09:00:34 -05'00'  
9/24/21

By Kim Graber, Department of Kinesiology and Community Health Head  
Date

Cc:

Nicole Holtzclaw-Stone, Assistant Director, Health Technology Education Program

Wendy A. Rogers, Director, Health Technology Education Program
Memorandum of Understanding Between the Department of Kinesiology and Community Health and Department of Speech and Hearing Science

An agreement to participate in an Interdisciplinary Minor in Health Technology.

Interdisciplinary Minor in Health Technology

18 hours minimum

Required Courses:

2. IE 340: Human Factors
3. CHLH 441: Health Technology and Health Behavior
   or
   CS 124: Introduction to Computer Science I
   or
   CS 125: Introduction to Computer Science
   or
   ECE 120: Intro to Computing

Two Electives:

1. Choose one from Health & Human Behavior
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Memorandum of Understanding Between the Department of Kinesiology and Community Health and Department of Recreation, Sport and Tourism
An agreement to participate in an Interdisciplinary Minor in Health Technology.

Purpose:
The Memorandum of Understanding allows courses listed in the attached appendix to be included in the Interdisciplinary Minor in Health Technology.

Students pursuing an Interdisciplinary Minor in Health Technology must meet all course prerequisites as defined by the Department in the class schedule. Further, students pursuing an Interdisciplinary Minor in Health Technology must register for the course following normal registration procedures and need not receive priority registration status.

Signatures:

By Carla Santos, Department of Recreation, Sport and Tourism Head

Kim Graber
Digitally signed by Kim Graber
Date: 2021.09.28 11:06:56 -05'00'

By Kim Graber, Department of Kinesiology and Community Health Head

Cc:
Nicole Holtzclaw-Stone, Assistant Director, Health Technology Education Program
Wendy A. Rogers, Director, Health Technology Education Program
Memorandum of Understanding Between the Department of Kinesiology and Community Health and Department of Recreation, Sport and Tourism

An agreement to participate in an Interdisciplinary Minor in Health Technology.

**HEALTH TECH**

Interdisciplinary Minor in Health Technology

18 hours minimum

**Required Courses:**
1. CHLH 203: Introduction to Health Technology
2. IE 340: Human Factors
3. CHLH 441: Health Technology and Health Behavior
   or
   CS 124: Introduction to Computer Science I
   or
   CS 125: Introduction to Computer Science
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   ECE 120: Intro to Computing

**Two Electives:**
1. Choose one from Health & Human Behavior
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Signatures:

Bruce Hajek
By Bruce Hajek, Department of Electrical and Computer Engineering Head
Digitally signed by Bruce Hajek
Date: 2021.09.15 10:53:32 -05'00'

Kim Graber
By Kim Graber, Department of Kinesiology and Community Health Head
Digitally signed by Kim Graber
Date: 2021.07.15 09:03:36 -05'00'

Cc:

Nicole Holtzclaw-Stone, Assistant Director, Health Technology Education Program
Wendy A. Rogers, Director, Health Technology Education Program
Memorandum of Understanding Between the Department of Kinesiology and Community Health and Department of Electrical and Computer Engineering

An agreement to participate in an Interdisciplinary Minor in Health Technology.

Interdisciplinary Minor in Health Technology
18 hours minimum

Required Courses:

2. IE 340: Human Factors
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Signatures:

Eunice Santos 7/15/21
By Eunice E. Santos, School of Information Sciences Dean Date

Kim Graber 7/15/21
Digitally signed by Kim Graber
By Kim Graber, Department of Kinesiology and Community Health Head Date

Cc:

Nicole Holtzclaw-Stone, Assistant Director, Health Technology Education Program
Wendy A. Rogers, Director, Health Technology Education Program
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