

CNS PRE-HEALTH PROFESSIONS CERTIFICATE

Added courses

McCombs School of Business: MAN 334M

Moody College of Communication: CSD 306K, 308K

College of Education: EDP 350E, 350L; HED 329K, 378D

College of Fine Arts: ART 339R

College of Liberal Arts: AMS 370 (Topic 49); AFR 374D (Topic 11); GRG 344K, 356 (Topic 1), 356T (Topic 9); SOC 307P, 321G, 333K

College of Natural Sciences: HDF 343; NTR 315, 321, 332; SDS 301

Steve Hicks School of Social Work: SW 360K (Topic 9)

Natural Sciences majors must complete a minimum of 9 hours from a variety of coursework spread across 5 themes: cultural awareness, health and anatomy, healthcare policy, human and societal development, and nutrition. The additional courses were identified through individual petitions by Natural Sciences majors over the last two years. The changes to the certificate add 31 courses to bring the total number of course choices to 84. I estimate the number of seats per course to be 1 to 3 seats per year.

If 3 a, b, c, or d was answered with yes, please answer the following questions. If the proposal has potential budgetary impacts for another college/school, such as requiring new sections or a non-negligible increase in the number of seats offered, at least one contact must be at the college-level.

How many students do you expect to be impacted? 3 seats per year

Impacted schools must be contacted and their response(s) included: Department of Management

Person communicated with: Luis Martins, chair

Date of communication: September 26, 2017

Response: We would be happy to have Natural Sciences add MAN 334M, Healthcare Systems Management, to the healthcare policy theme.

How many students do you expect to be impacted? 3 seats per year

Impacted schools must be contacted and their response(s) included: Department of Communication Sciences and Disorders

Person communicated with: Rajinder Koul, chair

Date of communication: September 26, 2017

Response: I approve the addition to the certificate.

How many students do you expect to be impacted? 3 seats per year per course

Impacted schools must be contacted and their response(s) included: Department of Educational Psychology

Person communicated with: Cindy Carlson, chair

Date of communication: September 26, 2017

Response: Yes, you have my permission to add these courses to your certificate program.

How many students do you expect to be impacted?

Impacted schools must be contacted and their response(s) included: Department of Kinesiology & Health Education

Person communicated with: John Bartholomew, chair

Date of communication: September 26, 2017

Response: We are happy to have the course listed.

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How many students do you expect to be impacted? 3 seats per year

Impacted schools must be contacted and their response(s) included: College of Fine Arts

Person communicated with: Jack Risley, chair

Date of communication: email sent September 26, 2017

Response: We are enormously proud of this course and would be delighted to have it included in your Pre-Health Professions Certificate.

How many students do you expect to be impacted? 3 seats per year

Impacted schools must be contacted and their response(s) included: Department of African & African Diaspora Studies

Person communicated with: Edmund Gordon, chair

Date of communication: September 26, 2017

Response: Yes it does.

How many students do you expect to be impacted? 3 seats per year per course

Impacted schools must be contacted and their response(s) included: Department of Sociology

Person communicated with: Robert Crosnoe, chair

Date of communication: September 26, 2017

Response: Yes, this would be fine for us.

How many students do you expect to be impacted? 3 seats per year

Impacted schools must be contacted and their response(s) included: College of Geography & the Environment

Person communicated with: Sheryl Luzzadder-Beach

Date of communication: September 26, 2017

Response: I approve, feel free to work out the details on how these best serve your students.

How many students do you expect to be impacted?

Impacted schools must be contacted and their response(s) included: Steve Hicks School of Social Work

Person communicated with: Allan Cole, senior associate dean for academic affairs

Date of communication: email sent September 26, 2017

Response: We would be pleased to have this course added to the certificate in NS.

How many students do you expect to be impacted? 3 seats per year

Impacted schools must be contacted and their response(s) included: Department of American Studies

Person communicated with: Steven Hoelscher, chair

Date of communication: email sent September 26, 2017

Response: We would be delighted to add this course.

4. OFFICIAL CERTIFICATE NAME: Undergraduate Certificate: Pre-Health Professions Certificate

5. CIP CODE (administrative unit awarding the certificate):⁴ N/A

7. STATEMENT OF OBJECTIVE:⁵ N/A

8. NUMBER OF STUDENTS EXPECTED TO RECEIVE THE CERTIFICATE EACH SEMESTER:

9. NUMBER OF HOURS REQUIRED FOR COMPLETION (Note: If the number of required hours is 21 to 24, THECB form is required):⁶

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10. LIST FACULTY ON THE CERTIFICATE PROGRAM FACULTY COMMITTEE.⁷

Name of Faculty Member	College/Department	Title at UT Austin	Highest Degree and Awarding Institution

11. ACADEMIC COURSE REQUIREMENTS:⁸ Use this table to identify the courses that qualify for this certificate program.

Course Abbreviation and Number	Course Title	SCH ⁹
AFR 374D, Topic 11	Topic 11: Psychology of the African American Experience	3
AMS 370, Topic 49	Topic 49: Twentieth-Century United States Lesbian and Gay History	3
ARH 339R	Art, Art History, and Medicine	3
CSD 306K	Introduction to Communication Disorders	3
CSD 308K	Perspectives on Deafness	3
EDP 350L	Human Sexuality # # Upper-division standing	3
EDP 350E	Introduction to Life Span Development # # Upper-division standing	3
GRG 344K	Global Food, Farming, and Hunger	3
GRG 356, Topic 1	Topic 1: Children's Environmental Health # # Upper-division standing	3
GRG 356T, Topic 9	Topic 9: Human Health and the Environment # # Upper-division standing	3
HDF 343	Human Development in Minority and Immigrant Families # # Upper-division standing; HDF 313, 113L, 315L	3
HED 329K	Child and Adolescent Health	3
HED 378D	Peer Health Leadership I # # Consent of instructor	3
MAN 334M	Healthcare System Management # # Upper-division standing	3
NTR 315	Nutrition through the Life Cycle # # NTR 306, 312, or 312H	3
NTR 321	International Nutrition: The Developing World # # NTR 306, 312, or 312H	3
NTR 332	Community Nutrition # # NTR 312 or 312H; 315, 326	3
SOC 307P	Introduction to the Sociology of Health and Well-Being	3
SOC 321G	Global Health Issues and Health Systems # # Upper-division standing	3
SOC 333K	Sociology of Gender # # Upper-division standing	3
S W 360K, Topic 9	Topic 9: Loss and Grief: Individual, Family, and Cultural Perspectives	3

12. OTHER CERTIFICATE REQUIREMENTS:

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13. GIVE A DETAILED RATIONALE FOR CHANGE(S):

Natural Sciences rearranged the some of the explanatory text from the last paragraph to the first paragraph.
Reason: The first paragraph will now contain the information students are most interested initially.

Science major track changes

Add coursework across the university that was identified via individual petitions for students pursuing the programs. Delete coursework retired from the course inventory.

Reason: Clean-up of course lists within theme areas.

Rearrange coursework to allow no more than 1 course chosen from EDP 350L (Human Sexuality), HED 366 (Human Sexuality), and PSY 346K (Psychology of Sex).

Reason: Some amount of overlap between material. Certificate students would be better served taking coursework to provide a broader background in courses that would be beneficial to pre-health professions students.

Remove M 316 and replace with SDS 301.

Reason: M 316 is being retired. Material will be taught in SDS 301.

Non-science major track changes

Allow certificate to be completed by a combination of introductory and advanced coursework in the particular area of preparation that a student pursues.

Reason: The advanced coursework departments have sufficient seats available that there is no need to restrict enrollment on the basis of completing all of the introductory coursework. Students outside of Natural Sciences must still meet individual course prerequisites.

Add organic chemistry sequence to the pre-veterinary preparation.

Reason: Organic chemistry is required for pre-veterinary preparation.

14. COLLEGE/SCHOOL APPROVAL PROCESS:

Date:	Sept. 28, 2017	Approved by whom:	Course and Curriculum Committee
Approver:	David Vanden Bout	Approved by whom:	September 28, 2017
Title:	Associate Dean for Undergraduate Education	Approved by whom:	

Pre-Health Professions Certificate

The Pre-Health Professions Certificate assists students in preparing for post-baccalaureate, healthcare professional programs. The certificate consists of a minimum of 18 hours, including 9 hours in residence. Each course presented for the certificate must be completed with a grade of at least C-.

The certificate is composed of two separate tracks: a track for majors in the College of Natural Sciences, and a track for majors in other colleges across the university. Students must apply online for admission to the certificate through the university-wide portal for transcript recognized certificates.

Students are encouraged to work closely with the Health Professions Office to select healthcare themes relevant to their professional career goals. Some of the courses may contain prerequisites that are in addition to the coursework for the certificate.

Majors in the College of Natural Sciences must seek the Science Major Track. ~~No admission to the track is required.~~

Majors outside of the College of Natural Sciences must seek the Non-Science Major Track. The composition of the non-science major track is science coursework necessary for admission to post-baccalaureate, healthcare professional programs. Non-science majors may apply to the certificate program upon completion of the following

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courses with grades of at least B-: Chemistry 301 or 302, and one of the following: Statistics and Data Sciences 302, Mathematics 408C, 408K, 408N, or 408R. Upon admission, the ability to progress in the certificate is dependent on completion of the certificate courses with satisfactory grades. ~~Non-science majors who complete the certificate may be eligible to enroll in select upper division courses necessary for application to the health professions programs to which they are applying.~~

~~Students must contact the dean's office in the College of Natural Sciences to request the certificate during the semester in which they are completing the requirements. The certificate consists of a minimum of 18 hours. Each course presented for the certificate must be completed with a grade of at least C-~~

Science Major Track

1. Complete 18 hours chosen from the following themes relevant to healthcare. Students pursuing the science major track may substitute a maximum of nine hours chosen from the optional lists that follow requirement 1.
 - a. Cultural Awareness:
 - i. Anthropology 322M (Topic 5: *Indians of Mexico and Guatemala*)
 - ii. Asian American Studies 301 and Asian American Studies 310 (Topic 1: *Psychological Perspectives on Asian American Identity*)
 - iii. African and African Diaspora Studies 301 and 374D (Topic 11: *Psychology of the African American Experience*)
 - iv. Latin American Studies 324L (Topic 16: *Mexican Immigration Cultural History*)
 - v. Mexican American Studies 307
 - vi. Middle Eastern Studies 301L
 - vii. American Studies 370 (Topic 49: *Twentieth-Century United States Lesbian and Gay History*)
 - viii. Communication Sciences and Disorders 308K
 - b. Health and Anatomy:
 - i. Classical Civilization 306M
 - ii. Educational Psychology 350L, ~~363 (Topic 3: *Human Sexuality*)~~ or Health Education 366, or Psychology 346K
 - iii. Health Education 335 , 343, 352K, 370K, and 373
 - iv. Kinesiology 320 , 424K, 425K, and 326K
 - v. Psychology 301 , 308, 332C, ~~Psychology 341K (Topic 4: *Health Psychology*)~~, ~~Psychology 346K~~, and ~~Psychology 353K~~
 - vi. Art History 339R
 - vii. Communication Sciences and Disorders 306K
 - c. Healthcare Policy:
 - i. Communication Studies 322E
 - ii. History 350R (Topic 18: *Women in Sickness and Health*)
 - iii. Philosophy 325M
 - iv. Nursing 309 and Nursing 321
 - v. Sociology 307P, 319, 321G, 336D, 354K, 358D, 368D, and 369K
 - vi. Urban Studies 350 (Topic 2: *Human Health and the Environment*)
 - vii. Geography 344K, 356 (Topic 1: *Children's Environmental Health*), 356T (Topic 9: *Human Health and the Environment*), and 357
 - viii. Public Health 317
 - ix. 3 hours from Health Education 378D
 - x. Management 334M
 - d. Human and Societal Development:
 - i. Communication Studies 310K and 322E
 - ii. Educational Psychology 350E ~~369K (Topic 10: *Educational Neuroscience*)~~
 - iii. Human Development and Family Sciences 304 , 313, 335, 342, 343, 351, and 378K (approved topics)
 - iv. Nursing 310
 - v. Psychology 301 , 308, 332C, 333D, and 341K (Topic 4: *Health Psychology*), ~~and Psychology 346K~~
 - vi. Sociology 302, ~~and 330C~~, and 333K
 - vii. Health Education 329K

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- viii. Social Work 360K (Topic 9: Loss and Grief: Individual, Family, and Cultural Perspectives)
- e. Nutrition:
 - i. Communication Studies 322E
 - ii. History 350R (Topic 5: *American Cultural History of Alcohol and Drugs*)
 - iii. Nutrition 306, 312, 315, 218, 321, 326, and 331, and 332

Optional: If additional hours are needed to complete the 18 hours for the certificate, a maximum of nine hours chosen from the following may be applied to the science major track.

- Biochemistry and Chemistry: Chemistry 220C, 320M, 320N, and Biochemistry 369
- Biology: Biology 311C, 311D, and 206L
- Physics: Physics 302K, 102M, 302L, 102N; 317K, 117M 317L, 117N; 301, 101L, 316, 116L; 303K, 103M, 303L, 103N
- Statistics: One of the following courses: ~~Mathematics 316~~, Statistics and Data Sciences 301, 302, 304, 306, or 328M
- Additional upper-division coursework in biochemistry, biology, and chemistry by approval of the undergraduate certificate adviser

Non-science Major Track

1. Complete 18 hours from one of the following areas of health professions preparations, chosen from one of the health professions preparation sequences numbered a through h. The 18 hours may be composed of introductory coursework, advanced coursework, or a mixture of the two. a.i through h.i. Upon completion of the certificate, students may enroll in the advanced coursework associated with their introductory preparation, chosen from a.ii through h.ii.

- a. Pre-dental preparation:
 - ~~i. Certificate Introductory Coursework: Biology 311C, 311D, 206L; Chemistry 204; Physics 302K, 102M, 302L, 102N*~~
 - ii. Advanced Coursework: Biochemistry 369; Biology 320, 325, 326R**; Chemistry 320M, 320N, 220C
- b. Pre-medical preparation:
 - ~~i. Certificate Introductory Coursework: Biology 311C, 311D, 206L; Chemistry 204; Physics 302K, 102M, 302L, 102N*~~
 - ii. Advanced Coursework: Biochemistry 369; Biology 320, 325, 326R**; Chemistry 320M, 320N, 220C
- c. Pre-occupational therapy preparation:
 - ~~i. Certificate Introductory Coursework: Biology 311C, 311D, 206L; Chemistry 204; Statistics and Data Sciences 302; Physics 302K, 102M*, and one hour of additional coursework approved by the certificate adviser~~
 - ii. Advanced Coursework: Biology 325, 446L, 365S, 165U
- d. Pre-optometry preparation:
 - ~~i. Certificate Introductory Coursework: Biology 311C, 311D, 206L; Chemistry 204; Statistics and Data Sciences 302; Physics 302K, 102M, 302L, 102N*~~
 - ii. Advanced Coursework: Biochemistry 369; Biology 325, 326R**, 226L, 446L, 365S, 165U; Chemistry 320M, 320N, 220C
- e. Pre-physical therapy preparation:
 - ~~i. Certificate Introductory Coursework: Biology 311C, 311D, 206L; Chemistry 204; Statistics and Data Sciences 302; Physics 302K, 102M, 302L, 102N*~~
 - ii. Advanced Coursework: Biology 325, 446L, 365S, 165U
- f. Pre-physician assistant preparation:

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- i. ~~Certificate~~ Introductory Coursework: Biology 311C, 311D, 206L; Chemistry 204; Statistics and Data Sciences 302; Nutrition 306, ~~and two hours of additional coursework approved by the certificate adviser~~
 - ii. Advanced Coursework: Biochemistry 369; Biology 320, 325, 226L, 326R** 344, 446L, 365S, 165U; Chemistry 320M, 320N, 220C
- g. Pre-pharmacy preparation:
- i. ~~Certificate~~ Introductory Coursework: Biology 311C, 311D, 206L; Chemistry 204; Statistics and Data Sciences 302; Physics 302K, 102M*, ~~and one hour of additional coursework approved by the certificate adviser~~
 - ii. Advanced Coursework: Biology 325, 226L, 326R**, 446L, 365S, 165U; Chemistry 320M, 320N, 220C
- h. Pre-veterinary preparation:
- i. ~~Certificate~~ Introductory Coursework: Biology 311C, 311D, 206L; Chemistry 204; Physics 302K, 102M, 302L, 102N*
 - j. Advanced Coursework: Biochemistry 369; Biology 325, 326R, 226L, 344; Chemistry 320M, 320N, 220C; Statistics and Data Sciences 321 or 328M

* A completed calculus-based physics sequence may substitute for the purpose of earning the certificate

** Previously completed Biology 326M may substitute for Biology 326R

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Please include a draft of the catalog copy immediately following the above form. If this is an update of an existing copy, the draft should be based on the text of the current catalog available at:

<http://catalog.utexas.edu/undergraduate/>. **Strike through and replace (with underlines) only the specific language to be changed. Do NOT use track changes, and do not include hyperlinks in the catalog copy.** Submit form electronically to the Office of the General Faculty and Faculty Council at fc@austin.utexas.edu. For questions on completing this section, please contact Victoria Cervantes, fc@austin.utexas.edu, 471-5934 or Brenda Schumann, brenda.schumann@austin.utexas.edu, 475-7654.

¹ Minimum Criteria for Certificate Recognition on the Transcript

- a) The transcript-recognized undergraduate academic certificate program must be completed in conjunction with or within one year of completion of an undergraduate degree at The University of Texas at Austin; students pursuing an integrated undergraduate/graduate program must complete the requirements for the certificate within one year after completing the undergraduate requirements of their program. A maximum of nine credit hours in the certificate program may be taken after completion of the undergraduate degree.
- b) Transcript-recognized undergraduate academic certificate programs must require a minimum of 18 hours of certificate course work, but not more than 24 hours.
- c) At least half of the required coursework in the certificate program must be completed in residence at The University of Texas at Austin.
- d) A student may **not** earn a certificate in the same field of study as his or her major, and at least one course required in the certificate program must be outside the requirements of the major. However, courses in the certificate program outside the major may fulfill other degree requirements such as general education requirements or required elective hours.
- e) Students apply for transcript recognized undergraduate academic certificates at the time they complete their undergraduate degree or the certificate program, whichever comes later. Transcript recognition is awarded at that time.

² To add a certificate program that requires 21 to 24 SCH's OR to increase the number of hours of an existing certificate program from 20 or less to 21 to 24 SCH's, complete the [THECB Certificate Program Certification Form](#) and submit it to the provost's office, lydia.cornell@austin.utexas.edu. To change the number of required hours for certificates currently requiring 21 to 24 SCH's, complete the [THECB Request to Change Semester Credit Hours Form](#) and submit it to the provost's office, lydia.cornell@austin.utexas.edu. Certificate programs that require 20 or fewer SCH's do not require THECB forms.

³ **EXCLUSIVE:** of *exclusive* application and of primary interest only to a single college or school ("no protest" period is *seven calendar days*); **GENERAL:** of *general* interest to more than one college or school (but not for submission to the General Faculty) ("no protest" period is *fourteen calendar days*); **MAJOR:** *major* legislation must be submitted to the General Faculty for adoption ("no protest" period is *fourteen calendar days*).

⁴ Use the federal CIP code selector site to pick a code, <http://nces.ed.gov/ipeds/cipcode>. After all other areas of this form are completed, forward a copy to Institutional Reporting, Research, and Information Systems (IRRIS) IRRIS_data_request@utlists.utexas.edu with a request to verify the CIP code ("CIP CODE" in the subject line). Include your contact information, so an IRRIS member may contact you with any questions.

⁵ Include heading in *Undergraduate Catalog* where changes will be made.

⁶ See footnote 1b above: 18-24 hours are required. See footnote 2 above for THECB requirements if over 20 hours.

⁷ For inclusion on transcripts, the faculty committee must have a minimum of five members and at least 2/3 of the committee must be tenured or tenure-track.

Note with an asterisk those faculty members who are tenured or tenure-track. Please also note the program chair who will be responsible for authorizing the students' certificates. Specify changes to the committee membership by noting those no longer on the committee and those added to the committee. (*Add and delete rows as needed.*)

⁸ Note with an asterisk (*) courses that would be added if the certificate program is approved. Specify changes to the qualifying courses by noting those no longer qualifying and those now qualifying. (*Add and delete rows as needed.*) If the course numbers and titles change on a regular basis, please indicate the types of courses and number of hours for required for each. Note with a hashtag (#) courses that require a prerequisite and provide the prerequisite course numbers.

⁹ Semester Credit Hours.