

Keene State College and NHTI - Concord's Community College Articulation Agreements in force

Keene State College and NHTI have three articulation agreements currently in force. The first agreement, signed in 2019 is applicable for NHTI students graduating with degrees in Mathematics and in Industrial Design Technology.

The second agreement, signed in January 2021 supersedes previous agreements and is the agreement in force for NHTI students graduating with degrees in Visual Arts, Computer Engineering Technology, Information Technology, Early Childhood Education, Education, Business Administration, Mechanical Engineering Technology, Manufacturing Engineering Technology, and Addiction Counseling.

The third agreement, signed August 2024 provides the framework that specifies how individuals who complete an Associate Degree of Science in Architectural Engineering Technology at NHTO may transfer credits into a Baccalaureate degree of Science (BS) in Architecture at Keene State College.

All agreements are included in this document; the most recent (2024) agreement followed by the earlier 2021 and 2019 agreements.

**ARTICULATION AGREEMENT BETWEEN
KEENE STATE COLLEGE AND NHTI, CONCORD'S COMMUNITY COLLEGE**

In the spirit of providing New Hampshire students with enhanced freedom of choice and access among Community College System of New Hampshire system partners, Keene State College (KSC) and NHTI, Concord's Community College enter into an Articulation Agreement for the delivery of academic programs and or curricula as identified in this document and in its appendices. Students completing a minimum of 60 credits (credit bearing courses applied to community college requirements) at NHTI will be admitted to Keene State College with junior status. Courses at NHTI that are not equivalent to Keene State College major or Integrative Studies Program requirements but are credit bearing courses applied to community college requirements will be applied as general elective credits toward the baccalaureate degree. Students completing a minimum of 60 credits at NHTI, in most cases, will have the opportunity to complete their baccalaureate degree in two years.

PURPOSE

The agreement will contribute to the seamless access to baccalaureate level study for NHTI, Concord's Community College students who complete an Associate degree in:

- ARET Architectural Engineering Technology

The purpose of this Articulation Agreement is to provide the framework which specifies how Individuals who complete an Associate Degree of Science in Architectural Engineering Technology at NHTI, Concord's Community College may transfer credits into a Baccalaureate degree of Science (BS) in Architecture (Appendix A)

This agreement also specifies how general education courses taken at NHTI, Concord's Community College will be applied to Keene State College's Integrative Studies Program (Appendix L)

JOINT RESPONSIBILITIES

To the extent possible, NHTI, Concord's Community College and Keene State College will publicize this Agreement and collaborate in joint marketing efforts. NHTI, Concord's Community College and Keene State College will each review the status of the Agreement as appropriate, and each party will notify the other of any opportunities or issues that need to be addressed.

COURSE AND/OR PROGRAM CHANGES

Any course or program changes at either NHTI, Concord's Community College or Keene State College that impact the existing articulation agreement must be communicated to the designated campus representative at each institution.

PERIODIC REVIEW

Articulation agreements will be reviewed every five years to determine if any changes in course content or outcomes have occurred that might impact the existing agreement.

ACADEMIC STANDARDS

Keene State College assures the acceptance of an Associate degree graduate who has earned a grade point average of a 2.0 or better. Courses are evaluated on an individual basis to determine the appropriate academic equivalents.

Grades earned at other institutions are not included in the computation of the student's grade point average at Keene State College. Students should refer to the Keene State College Transfer of Credit Policy (<http://www.keene.edu/aca/transfer.cfm>).

Once admitted students are responsible for becoming aware of, and meeting, the standard established for academic performance at Keene State College. A cumulative grade point average (GPA) of 2.00 is required to be in good academic standing.

TERM AND TERMINATION

This agreement will become effective immediately after all parties have signed. It may be terminated by either party by giving notice in writing to the other party at least twelve (12) months prior to the date of termination.

PROGRAM OVERSIGHT

Architectural Engineering Technology

The NHTI, Concord's Community College Associate Degree in Architectural Engineering Technology (ARET) is administered by the chair of the department (Liaquat Khan, D.A.) and supervised by the Vice President for Academic and Workforce Education (Dr. Hector Iweka, Ph.D.). The KSC Baccalaureate in Science in Architecture is administered by the co-chair of the department (Prof. Donna Paley) and supervised by the Provost of Academic Affairs (Dr. James Beeby).

DISPUTE RESOLUTION

Notice of any and all complaints and/or grievances concerning this Agreement shall be provided to the administrators assigned to this contract. Both partners will work collaboratively to solve any said disputes.

ASSIGNMENTS

This Agreement may not be assigned or otherwise transferred by either party, in whole or in part, without the express prior written consent of the other party.

APPLICABILITY OF STATE LAW

This agreement shall be governed and interpreted under the laws of the State of New Hampshire.

APPENDIX A

ARET Architectural Engineering Technology (NHTI) to BS in Architecture (KSC)

<https://www.nhti.edu/program/architectural-engineering-technology/> to

<https://www.keene.edu/catalog/programs/detail/architecture-bs/>

KSC Architecture Courses	NHTI Arch/Engineering Technology Courses	Credit equivalencies			Criteria for Substitution
		NHTI		KSC CR	
Arch 120 Arch Visualization/Communication	ARET 103C Architectural Graph/Sketching	3		3	Standing substitution
Arch 180 Introduction to Arch	ARET 104C Architectural Design Studio I	3		3	Standing Substitution
Arch 230 Architectural Design I	ARET 202C Architectural Design Studio II	3		3	Standing Substitution
Arch 260 Sustainable Design & Bldg. Sci	ARET 250C Environmental Systems	3		3	Standing Substitution
ARCH 270 Commercial Construction	ARET 120 Materials and Methods of Construction	4		4	Standing Substitution
ARCH 280 Architectural Design II	ARET 297C Architectural Design III	3		3	Standing Substitution
Arch 290 Special Topics in Architecture	CVET 240C Timber and Steel Design	4	4	4	Standing Substitution
	ARET 150C Statics and Strength of Materials	4	4	4	
	CVET 235C Reinforced Concrete Design	3	3	3	
ARCH 220 Architectural Representation	ARET 192C Revit Architecture	3		3	Standing Substitution
Subtotal credits (Architecture)				33	

KSC ISP or Elective Courses	NHTI Courses			
ITW 101 Integrated thinking and Writing	English 101C English Composition	4	4	Standing Substitution
IQL (MATH 120 Applied Algebra and Trig)	Math 124C College Algebra	4-8	4	Standing Substitution
ISP – IA, IH, or Language	Humanities/Arts/Language/ Elective	3-4	3-4	ISP equivalency TBD
ISP – IHENG	English 125C Communication and the Literature of Science and Technology	3	3	ISP equivalency TBD
ISP – IN or IS	Phys 133C Physics I (Algebra-based)	4	4	ISP equivalency TBD
ISP – IN or IS	Phys 135C Physics II (Algebra-based)	4	4	ISP equivalency TBD
ISP – IS	Social Sciences Elective	3-4	3-4	ISP equivalency TBD
CMGT 300 Construction Management	CVET 235C Surveying 220C Surveying	3	3	ISP equivalency TBD
IA Art 103 3Dimensional Design *(required for KSC Arch majors)	VRTS 104C Three-Dimensional Design *(not currently planned for ARET Majors)	3	3	Standing Substitution
Math Pre-Calculus	Math 140C Pre-Calculus	4	4	
Subtotal Credits (ISP or electives)		31-33	34-36	
Total Credits (Arch, ISP, and Electives)			67 - 69	

NHTI transfers to Keene State College Architecture Major Bachelor of Science Degree requirements (120 credits)

Year 3

		Cr	Upper Level
Fall			
Arch 330	Architectural Design III	4	4
Arch 350	Architectural History I	4	4
Arch 370	Architectural Systems	4	4
ISP IA Art 103	3D Design Recommended if VRTS 104C isn't completed at NHTI	4	
Semester Total		16	12

		Cr	Upper Level
Spring			
Arch 380	Architectural Design IV	4	4
Arch 355	Architectural History II	4	4
Arch 360	Solar Design and Building Science II	4	4
ISP Elective	Upper level	4	4
Semester Total		16	16

Year 4

		Cr	Upper Level
Fall			
Arch 430	Architectural Design V	4	4
Arch 435	Portfolio Design	4	4
CMGT 300 or	Construction MGMT I or UP	4	4
ISP II	Upper level	4	4
Semester Total		16	16

		Cr	Upper Level
Spring			
Arch 480	Senior Design Project	4	4
Arch 320	Advanced Arch Represent.	4	4
Upper level	General Elective	4	4
CMGT 400	Construction Mgmt II or UP	4	4
Semester Total		16	16

Total Transfer Credits taken at NHTI and transferred to KSC range from 60 to 67 – no upper level KSC credit equivalencies are allowed.

Total Credits in Year 3 and 4 = 40 credits minimum required in the upper level (including 8 upper-level credits in the ISP program, and 32 credits in the architecture major); 20 additional credits are required and can be fulfilled within the architecture major or in electives of the student's choice.

APPENDIX L - General Education and Integrative Studies Program Equivalencies

NHTI, Concord's Community College General Education Courses

All Associate in Science and Associate in Arts degree programs offered at NHTI include a minimum number of credits in General Education courses distributed in accordance with the policy of the Community College System. Courses fulfilling General Education requirements are designed to supplement and expand upon the knowledge and skills acquired in the student's major field courses to help ensure that graduates meet the definition of an "educated person" as set forth in NHTI's Educated Person Statement of Philosophy.

NHTI, Concord's Community College Requirements- 27 credits

KSC ISP <https://www.keene.edu/academics/isp/>

Requirements – 40 credits (10 Courses), with a minimum of eight credits (2 courses) at the 300 and/or 400 level.

NHTI General Education

EN 101
Mathematics
MT 251
Visual Arts
Any FA and EN 295
Foreign Language, Humanities, Literature,
Communications
Any EN except 100, 295, HI, PI and FL 110, 111, 112,
115, 116, 121, 122
EC 155
Science
Any BI except 159, 195, 196, 202, 259, 279, CH, PH,
SC except 110
Social Science
Any AN, EO, PS, PY except 298, SO
SC 110

KSC ISP

ITW 101
IQL 101
IA (minimum 4 credits [one course], maximum 8 credits
[2 courses] to meet ISP requirements)
IH (minimum 8 credits [2 courses] maximum 12credits [3
courses] to meet ISP requirements , in two different
disciplines)
IN (minimum 8 credits [2 courses] to meet ISP
requirements in two different disciplines)
IS (minimum 8 credits [2 courses] to meet ISP
requirements in two different disciplines)
II (minimum 4 credits [1 course] to meet ISP
requirements)

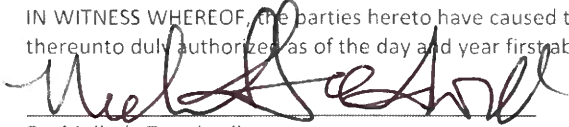
SCOPE OF THE AGREEMENT

This agreement and its Appendices, contains the Agreement of the parties for these courses of study only and cancels and supersedes any previous understanding or Agreement expressing equivalents between Architecture BS (KSC) and Architecture Engineering Technology AD (NHTI), whether written or oral. All substantial changes or major modifications to this Agreement must be agreed to in writing between the parties.

Use of Agreement in Electronic Form: Both parties agree that they may: (a) convert this Agreement to electronic form, (b) retain it solely in such form, and (c) in the event of any dispute, provide it in such form or a copy from such form. The parties further agree that the Agreement in such form (or a copy), including the application of industry security standards for digital signatures, shall not be denied legal effect, validity, or enforceability due to its form and shall meet any requirement to provide an original.

SIGNATURE SECTION

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective signatory officials thereunto duly authorized as of the day and year first above written.



Dr. Melinda Treadwell
President, Keene State College

8/22/24
Date



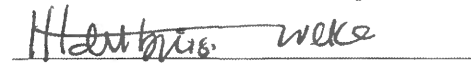
Dr. Patrick Tompkins
President, NHTI, Concord's Community College

8/15/24
Date



Dr. Kirsti Sandy
Interim Provost and Vice President of Academic Affairs Keene State College

8/22/2024
Date



Dr. Hector Iweka
Vice President for Academics and Workforce Education
NHTI, Concord's Community College

8/15/2024
Date

APPENDIX A

ARET Architectural Engineering Technology (NHTI) to BS in Architecture (KSC)

<https://www.nhti.edu/program/architectural-engineering-technology/> to

<https://catalog.keene.edu/bachelors-degree-programs/architecture-bs/#requirementstext>

KSC Architecture Courses	NHTI Arch/Engineering Technology Courses	Credit equivalencies		Criteria for Substitution
		NHTI	KSC CR	
Arch 120 Arch Visualization/Communication	ARET 103C Architectural Graph/Sketching	3	3	Standing substitution
Arch 180 Introduction to Arch	ARET 104C Architectural Design Studio I	3	3	Standing substitution
Arch 230 Architectural Design I	ARET 202C Architectural Design Studio II	3	3	Standing substitution
Arch 260 Sustainable Design & Bldg. Sci	ARET 250C Environmental Systems	3	3	Standing substitution
ARCH 270 Commercial Construction	ARET 120C Materials and Methods of Construction	4	4	Standing substitution
ARCH 280 Architectural Design II	ARET 297C Architectural Design Studio III	3	3	Standing substitution
Arch 375 Statics/Structural Analysis	ARET 150C Statics and Strength of Materials	4	4	Standing substitution
ARCH 275 Residential Construction	CVET 240C Timber and Steel Design	4	4	Standing substitution
Arch 290 Special Topics in Architecture	CVET 235C Reinforced Concrete Design	3	3	Standing substitution
ARCH 220 Architectural Representation	ARET 192C Revit Architecture	3	3	Standing substitution
Subtotal credits (Architecture)			33	

KSC ISP or Elective Courses	NHTI Courses			
ITW 101 Integrated thinking and Writing	English 101C English Composition	4	4	Standing substitution
IQL (MATH 120 Applied Algebra and Trig)	Math 124C College Algebra	4-8	4	Standing substitution
ISP – IA, IH, or Language	Humanities/Arts/Language/Elective	3-4	3-4	ISP equivalency TBD
ISP - IHENG	English 125C Communication and the Literature of Science and Technology	3	3	ISP equivalency TBD
ISP – IN or IS	Phys 133C Physics I (Algebra-based)	4	4	ISP equivalency TBD
ISP – IN or IS	Phys 135C Physics II (Algebra-based)	4	4	ISP equivalency TBD
ISP – IS	Social Science Elective	3-4	3-4	ISP equivalency TBD
CMGT 300 Construction Management	ARET 270C Construction Management	3	3	Standing substitution
IA Art 103 3 Dimensional Design	VRTS 104C Three-Dimensional Design *(not currently planned for ARET Majors)	3	3	Standing substitution
Math Pre-Calculus	Math 140C Pre-Calculus	4	4	
Subtotal Credits (ISP or electives)		31-33	34-36	
Total credits (Arch, ISP, and Electives)			67-69	

Keene State College and NHTI - Concord's Community College Articulation Agreements in force

Keene State College and NHTI have two articulation agreements currently in force. The first agreement, signed in 2019 is applicable for NHTI students graduating with degrees in Mathematics and in Industrial Design Technology.

The second agreement, signed in January 2021 supersedes previous agreements and is the agreement in force for NHTI students graduating with degrees in Visual Arts, Computer Engineering Technology, Information Technology, Early Childhood Education, Education, Business Administration, Mechanical Engineering Technology, Manufacturing Engineering Technology, and Addiction Counseling.

Both agreements are included in this document; the most recent (2021) agreement followed by the earlier 2019 agreement.



**ARTICULATION AGREEMENT BETWEEN
KEENE STATE COLLEGE
AND
NHTI, CONCORD'S COMMUNITY COLLEGE
(9.15.20)**

In the spirit of providing New Hampshire students with enhanced freedom of choice and access among Community College System of New Hampshire system partners, Keene State College (KSC) and NHTI - Concord's Community College (NHTI) enter into an articulation agreement for the delivery of academic programs and/or curricula as identified in this document and in its appendices.

Students completing a minimum of 60 credits (credit-bearing courses applied to community college requirements) at NHTI will be admitted to KSC with junior status. Courses at NHTI that are not equivalent to KSC major or Integrative Studies Program (ISP) requirements but are credit bearing courses applied to community college requirements will be applied as general elective credits toward the baccalaureate degree. Students completing a minimum of 60 credits at NHTI, in most cases, will have the opportunity to complete their baccalaureate degree in two years at KSC.

PURPOSE

The agreement will contribute to the seamless access to baccalaureate-level study at KSC for NHTI students who complete associate degrees in:

- AA Visual Arts
- AS Computer Engineering Technology
- AS Information Technology
- AS Early Childhood Education
- AS Education
- AS Business Administration
- AS Mechanical Engineering Technology
- AS Manufacturing Engineering Technology
- AS Addiction Counseling

This Articulation agreement specifies how individuals who complete an:

- **APPENDIX A:** Associate Degree of Arts in Visual Arts at NHTI may transfer credits into a Baccalaureate Degree of Arts in Art: Graphic Design Option at KSC
- **APPENDIX B:** Associate Degree of Arts in Visual Arts at NHTI may transfer credits into a Baccalaureate Degree of Arts in Art: Studio Art Option at KSC
- **APPENDIX C:** Associate Degree of Arts in Visual Arts at NHTI may transfer credits into a Baccalaureate Degree of Arts in Art: Art History Minor Option at KSC
- **APPENDIX D:** Associate Degree of Science in Computer Engineering Technology at NHTI may transfer credits into a Baccalaureate Degree of Science Computer Science at KSC

- **APPENDIX E:** Associate Degree of Science in Information Technology at NHTI may transfer credits into a Baccalaureate Degree of Science Computer Science at KSC
- **APPENDIX F:** Associate Degree of Science in Early Childhood Education at NHTI may transfer credits into a Baccalaureate Degree of Science Education: Early Childhood Education at KSC
- **APPENDIX G:** Associate Degree of Science in Early Care and Education for Young Children with Disabilities to BS Early Childhood Education
- **APPENDIX H:** Associate Degree of Science in Education at NHTI may transfer credits into a Baccalaureate Degree of Science Education: Elementary Education at KSC
- **APPENDIX I:** Associate Degree of Science in Business Administration: Management at NHTI may transfer credits into a Baccalaureate Degree of Science in Management at KSC
- **APPENDIX J:** Associate Degree of Science in Addiction Counseling at NHTI may transfer credits into a Baccalaureate Degree of Science in Public Health: Addiction and Pre-Professional Mental Health Option
- **APPENDIX K:** This agreement specifies how general education courses taken at NHTI will be applied to KSC's Integrative Studies Program.
- **APPENDIX L:** This agreement identifies courses taken at NHTI that may be applied to various baccalaureate programs at KSC. These equivalencies create a pathway for students to transition from NHTI to these KSC programs:

<ul style="list-style-type: none"> • BA American Studies • BA Economics • BA English: Literature Option • BA English: Writing Option • BA History • BA Mathematics • BA Psychology • BA Sociology 	<ul style="list-style-type: none"> ▪ BS Chemistry ▪ BS Education: Secondary ▪ BS Environmental Studies ▪ BS Public Health: Nutrition ▪ BS Public Health: Population Health, with specializations in 1) Community Health and 2) Pre-Professional Health ▪ BS Exercise Science ▪ BS Safety and Occupational Applied Health Sciences • BS Sustainability Studies
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JOINT RESPONSIBILITIES

To the extent possible, NHTI and KSC will publicize this agreement and collaborate in joint marketing efforts.

COURSE AND/OR PROGRAM CHANGES

Any course or program changes at either NHTI or KSC that impact the existing agreement must be communicated to the designated campus representative at each institution.

PERIODIC REVIEW

This agreement will be reviewed every five years to determine if any changes in course content or

outcomes have occurred that might impact the existing agreement. Each party will notify the other of any opportunities or issues that need to be addressed.

ACADEMIC STANDARDS

KSC assures the acceptance of an Associate degree graduate who has earned a grade point average of a 2.0 or better. Courses are evaluated on an individual basis to determine the appropriate academic equivalents.

NHTI 100/200 level courses cannot be accepted as the equivalent of KSC 300/400 level courses. In instances where an NHTI 100/200 level course is paired with a KSC 300/400 level course the KSC upper level course requirement is waived and the student takes a different KSC upper level course.

Grades earned at other institutions are not included in the computation of the student's grade point average at KSC. Students should refer to the KSC Transfer of Credit Policy (<https://www.keene.edu/academics/aca/academic/transfer/>). Once admitted students are responsible for becoming aware of, and meeting, the standard established for academic performance at KSC. A cumulative grade point average (GPA) of 2.00 is required to be in good academic standing.

TERM AND TERMINATION

This agreement will become effective immediately after all parties have signed. It may be terminated by either party by giving notice in writing to the other party at least twelve (12) months prior to the date of termination.

PROGRAM OVERSIGHT

Addiction Counseling

The NHTI Associate Degree in **Addiction Counseling** is administered by the chair of the department (Mike O'Bryant) and supervised by the Vice President for Academic Affairs (Andrew Fisher). The KSC Baccalaureate in **Public Health: Addiction and Pre-Professional Mental Health Option** is administered by chair of the department (Margaret Smith) and supervised by the Dean of Sciences, Sustainability and Health (Karrie Kalich).

Business Administration

The NHTI Associate Degree in Business Administration is administered by the chair of the department (Aaron Conn) and supervised by the Vice President for Academic Affairs (Andrew Fisher). The KSC Baccalaureate in Business Management is administered by the chair of the department (Kathleen Johnson) and supervised by the Dean of Sciences, Sustainability and Health (Karrie Kalich).

Computer Engineering Technology

The NHTI Associate Degree in Computer Engineering Technology is administered by the chair of the department (Frank Polito) and supervised by the Vice President for Academic Affairs (Andrew Fisher). The KSC Baccalaureate in Computer Science is administered by the chair of the department (Shari Bemis) and supervised by the Dean of Sciences, Sustainability and Health (Karrie Kalich).

Early Childhood Education

The NHTI Associate Degree in Early Childhood Education is administered by the chair of the department (Diana Menard) and supervised by the Vice President for Academic Affairs (Andrew

Fisher). The KSC Baccalaureate in Education: Early Childhood Education is administered by the chair of the department (Darrell Hucks) and supervised by the Dean of Arts, Education and Humanities (Kirsti Sandy).

Education

The NHTI Associate Degree in Education is administered by the chair of the department (Kelly Moore Dunn) and supervised by the Vice President for Academic Affairs (Andrew Fisher). The KSC Baccalaureate in Education: Elementary Education is administered by the chair of the department (Darrell Hucks) and supervised by the Dean of Arts, Education and Humanities (Kirsti Sandy).

Information Technology

The NHTI Associate Degree in Information Technology is administered by the chair of the department (Aaron Conn) and supervised by the Vice President for Academic Affairs (Andrew Fisher). The KSC Baccalaureate in Computer Science is administered by the chair of the department (Shari Bemis) and supervised by the Dean of Sciences, Sustainability and Health (Karrie Kalich).

Manufacturing Engineering Technology

The NHTI Associate Degree in Manufacturing Engineering Technology is administered by the chair of the department (Joe Cunningham) and supervised by the Vice President for Academic Affairs (Andrew Fisher). The KSC Baccalaureate in Sustainable Product Design and Innovation is administered by the chair of the department (Lisa Hix) and supervised by the Dean of Sciences, Sustainability and Health (Karrie Kalich).

Mechanical Engineering Technology

The NHTI Associate Degree in Mechanical Engineering Technology is administered by the chair of the department (Joe Cunningham) and supervised by the Vice President for Academic Affairs (Andrew Fisher). The KSC Baccalaureate in Sustainable Product Design and Innovation is administered by the chair of the department (Lisa Hix) and supervised by the Dean of Sciences, Sustainability and Health (Karrie Kalich).

Visual Arts

The NHTI Associate Degree in Visual Arts is administered by the chair of the department (Susan Haas) and supervised by the Vice President for Academic Affairs (Andrew Fisher). The KSC Baccalaureate Arts in Art: Graphic Design Option, Baccalaureate or Arts in Art: Studio Art Option and Baccalaureate degree of Arts in Art: Minor in Art History is administered by the chair of the department (Yuan Pan) and supervised by the Dean of Arts, Education and Humanities (Kirsti Sandy).

DISPUTE RESOLUTION

Notice of any and all complaints and/or grievances concerning this agreement shall be provided to the administrators assigned to this contract. Both partners will work collaboratively to solve any said disputes.

ASSIGNMENTS

This agreement may not be assigned or otherwise transferred by either party, in whole or in part, without the express prior written consent of the other party.

APPLICABILITY OF STATE LAW

This agreement shall be governed and interpreted under the laws of the State of New Hampshire.

SCOPE OF THE AGREEMENT

This agreement and its appendices, contains the entire agreement of the parties and cancels and supersedes any previous understanding or agreement, whether written or oral. All substantial changes or major modifications to this agreement must be agreed to in writing between the parties.

USE OF AGREEMENT IN ELECTRONIC FORM

Both parties agree that they may: (a) convert this agreement to electronic form, (b) retain it solely in such form, and (c) in the event of any dispute, provide it in such form or a copy from such form. The parties further agree that the agreement in such form (or a copy), including the application of industry security standards for digital signatures, shall not be denied legal effect, validity, or enforceability due to its form and shall meet any requirement to provide an original.

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SIGNATURE SECTION

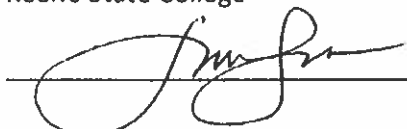
IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed by their respective signatory officials thereunto duly authorized as of the day and year first above written.



Dr. Melinda Treadwell
President
Keene State College

1/14/21

Date



Dr. Gretchen Mullin-Sawicki
President
NHTI, Concord's Community College

11-18-20

Date



Dr. Ockle Johnson
Interim Provost and Vice President of Academic Affairs
Keene State College

1/11/21

Date



Dr. Andrew Fisher
Vice President of Academic Affairs
NHTI, Concord's Community College

19 Nov 2020

Date

APPENDIX A

AA Visual Arts to BA Art: Graphic Design Option

<p>AA Visual Arts</p> <p>https://www.nhti.edu/program/visual-arts-2/</p>	<p>BA Art: Graphic Design Option</p> <p>https://www.keene.edu/catalog/programs/detail/art-ba/</p>
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To become a Keene State Art major (Graphic Design Option), a portfolio of 10 to 20 pieces of artwork must be submitted and accepted. See further discussion in Keene State College Catalog website: <https://www.keene.edu/catalog/>

Each student must demonstrate proficiency in a language other than English.

NHTI	KSC
	Foundation Core
VRTS 102 Introduction to the Visual Arts	ART 101 Foundation Experience or IAART 100 Foundations of Design
VRTS 111 Survey of Western Art History I	IAART 110 Introduction to Art History
VRTS 101 Introduction to Drawing	ART 125 Drawing I or IAART 120 Drawing I
	100-Level Courses
VRTS 193C Introduction to Photoshop 3-0-3 and VRTS 195C Introduction to Illustrator CC 3-0-3	IAART 105 Graphic Design Process or ART 106 Graphic Design Foundation
	ART 160 Typographic Form & Function
	200-Level Courses
	ART 253 Digital Imaging
	ART 260 Graphic Design Thinking
	ART 264 Web Design
	Art Studio 200-level <i>Select one from the following:</i>
VRTS 135 Intro to Ceramics	ART 208 Ceramics I
VRTS130 Introduction to Photography	ART 224 Photography I
VRTS 120 Introduction to Oil Painting	ART 226 Painting I
VRTS 201 Drawing II	ART 225 Drawing II
	ART 244 Sculpture I
	Art History Course <i>Select one from the following:</i>
VRTS 112 Survey of Western Art History II	ART 211 Topics in Ancient Art
	ART 213 Italian Renaissance Art
VRTS 115 History of Modern Art	ART 214 Modern Art
	ART 290 Topics in Art History
	ART 312 Topics in Medieval Art
	ART 315 Contemporary Art
	IAART 391 Global Perspectives

	ART 492 Art History Seminar
	300-Level Courses
	ART 361 Graphic Design History
	ART 366 Motion Design I
	400-Level Courses
	Intensive Graphic Design Studio <i>Select one from the following:</i>
	ART 464 Design for Mobile Media
	ART 465 Graphic Design Topics
	ART 466 Motion Design II

APPENDIX B

AA Visual Arts to BA Art: Studio Art Option

AA Visual Arts https://www.nhti.edu/program/visual-arts-2/	BA Art: Studio Art Option https://www.keene.edu/catalog/programs/detail/art-ba/
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To become a Keene State Art major (Studio Art Option), a portfolio of 10 to 20 pieces of artwork must be submitted and accepted. See further discussion in Keene State College Catalog website:
<https://www.keene.edu/catalog/>

Each student must demonstrate proficiency in a language other than English.

NHTI	KSC
	Foundation Core
VRTS 102 Introduction to the Visual Arts	ART 101 Foundation Experience or IAART 100 Foundations of Design
VRTS 111 Survey of Western Art History I	IAART 110 Introduction to Art History
VRTS 101 Introduction to Drawing	ART 125 Drawing I or IAART 120 Drawing I
	100-Level Courses
VRTS 193C Introduction to Photoshop 3-0-3 and VRTS 195C Introduction to Illustrator CC 3-0-3	IAART 105 Graphic Design Process or ART 106 Graphic Design Foundation ART 160 Typographic Form & Function
	200-Level Courses
	ART 253 Digital Imaging
	ART 260 Graphic Design Thinking
	ART 264 Web Design
	Art Studio 200-Level Course <i>Select one from the following:</i>
VRTS 135 Intro to Ceramics	ART 208 Ceramics I
VRTS 130 Introduction to Photography	ART 224 Photography I
VRTS 120 Introduction to Oil Painting	ART 226 Painting I
VRTS 201 Drawing II	ART 225 Drawing II ART 244 Sculpture I
	Art History Course <i>Select one from the following:</i>
VRTS 112 Survey of Western Art History II	ART 211 Topics in Ancient Art ART 213 Italian Renaissance Art
VRTS 115 History of Modern Art	ART 214 Modern Art ART 290 Topics in Art History ART 312 Topics in Medieval Art ART 315 Contemporary Art IAART 391 Global Perspectives

	ART 492 Art History Seminar
	300-Level Courses
	ART 361 Graphic Design History
	ART 366 Motion Design I
	400-Level Courses
	Intensive Graphic Design Studio
	<i>Select the following:</i>
	ART 464 Design for Mobile Media
	Intensive Graphic Design Studio
	<i>Select one from the following:</i>
	ART 464 Design for Mobile Media
	ART 465 Graphic Design Topics
	ART 466 Motion Design II

APPENDIX C

AA Visual Arts to BA Art: Minor in Art History

AA Visual Arts	BA Art: Minor in Art History
https://www.nhti.edu/program/visual-arts-2/	https://www.keene.edu/catalog/programs/detail/art-history-minor/

NHTI	KSC
VRTS 111 Survey of Western Art History	IAART 110 Introduction to Art History
VRTS 112 Survey of Western Art History	IAART 110 Introduction to Art History
<i>If Both:</i> VRTS 111 and VRTS 112	<i>Then:</i> IAART 110 Introduction to Art History and ART 290 Topics in Art History
VRTS 115 History of Modern Art	ART 214 Modern Art

APPENDIX D

AS Computer Engineering Technology to BS Computer Science

<p>AS Computer Engineering Technology</p> <p>https://www.nhti.edu/program/computer-engineering-technology/</p>	<p>BS Computer Science</p> <p>https://www.keene.edu/catalog/programs/detail/computer-science-bs/</p>
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The Bachelor of Science in Computer Science provides students with a thorough grounding in computer programming and information science and an introduction to the various branches of computer science. The primary focus is to prepare students to successfully operate as information science (IS) or information technology (IT) professionals, and/or pursue graduate studies in computer science or a related field.

NHTI	KSC
	Major Requirements
	Core Requirements
CP 107 Introduction to Programming with C++	ISCS 140 Programming Foundations I
CP 235 Algorithms with Object Oriented Programming	CS 185 Programming Foundations II
EL 144 Embedded Microsystems and EL 215 Advanced Digital Electronics	CS 265 Computer Architecture
CS 280 Data Structures and Algorithms	CS 280 Data Structures and Algorithms
	MATH 135 Discrete Mathematics
	MATH 141 Statistics (recommended)
	Second Language Courses <i>Select one from the following:</i>
CP 240 Programming for Windows Operating Systems	CS 205 Visual Programming
	ISCS 210 Python Programming
CP 107 Introduction to Programming Using C++	CS 225 C++ Programming
	CS 230 Programming for Industry
	CS 310 Systems Programming: C & Assembler (required for Cybersecurity option)
	CS 290 or ISCS 199 topic will be allowed with department approval
	Field Experience Courses <i>Select one from the following:</i>
	CS 293 Supervised Field Experience
	CS 493 Advanced Supervised Field Experience
	Course Requirements
	Skill Courses <i>Select one from the following:</i>
	ISCS 150 Website Design & Construction
	INCS 160 Microcomputer Systems
	<i>Select eight from the following courses,</i>

	<i>including a minimum of three (3) 400-level courses:</i>
	Math 151 Calculus I (Required for most graduate programs)
	CS 310 Systems Programming: C & Assembler
	CS 320 Operating Systems Design
CP 252 Networking and Internet Technologies	CS 340 Internet Programming
	ISCS 350 Systems Analysis and Project Management
CP 222 Data Communications and Internetworking	CS 355 Computer Networks
	CS 360 Database Systems
	CS 375 Software Engineering
	ISCS 380 Digital Image Processing
	CS 395 Mobile Computing
	CS 410 Advanced Software Development
	CS 420 E-Commerce Development
	CS 430 Principles of Programming Languages
	CS 440 Software Engineering Project
	CS 455 Cryptography & Network Security
	CS 460 Data Warehousing & Advanced SQL
	CS 490 Advanced Special Topics
	CS 495 Artificial Intelligence & Robotics
	CS 496 Games Programming
	CS 498 Independent Study (allowed with Department approval)
	MATH 152 Calculus II (recommended)

APPENDIX E

AS Information Technology to BS Computer Science

AS Information Technology https://www.nhti.edu/program/information-technology-networking/	BS Computer Science https://www.keene.edu/catalog/programs/detail/computer-science-bs/
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The Bachelor of Science in Computer Science provides students with a thorough grounding in computer programming and information science and an introduction to the various branches of computer science. The primary focus is to prepare students to successfully operate as information science (IS) or information technology (IT) professionals, and/or pursue graduate studies in computer science or a related field.

NHTI	KSC
	Major Requirements
	Core Requirements
IT 210 Object Oriented Programming in Java	ISCS 140 Programming Foundations I
	CS 185 Programming Foundations II
	CS 280 Data Structures and Algorithms
	MATH 135 Discrete Mathematics
	MATH 141 Statistics (recommended)
	Second Language Courses <i>Select one from the following:</i>
IT 213 Introduction to the Web	CS 205 Visual Programming
	ISCS 210 Python Programming
	CS 225 C++ Programming
	CS 230 Programming for Industry
	CS 310 Systems Programming: C & Assembler (required for Cybersecurity option)
	CS 290 or ISCS 199 topic will be allowed with department approval
	Field Experience Courses <i>Select one from the following:</i>
IT 294 Senior IT Internship	CS 293 Supervised Field Experience (2 credits)
	CS 493 Advanced Supervised Field Experience (2 credits)
	Course Requirements (36 credits)
	Skill Courses <i>Select one from the following:</i>
IT 270 Web Page Design & Development	ISCS 150 Website Design & Construction
IT 108 Personal Computer Hardware and Software	INCS 160 Microcomputer Systems
	<i>Select eight from the following, a minimum of three (3) 400-level courses:</i>
	Math 151 Calculus I (Required for most graduate programs)
	CS 310 Systems Programming: C & Assembler

	CS 320 Operating Systems Design
	CS 340 Internet Programming
	ISCS 350 Systems Analysis and Project Management
IT 252 Designing & Supporting Computer Networks	CS 355 Computer Networks
IT 140 Database Design & Management and IT 240 Advanced Web Programming	CS 360 Database Systems
	CS 375 Software Engineering
	ISCS 380 Digital Image Processing
	CS 395 Mobile Computing
	CS 410 Advanced Software Development
	CS 420 E-Commerce Development
	CS 430 Principles of Programming Languages
	CS 440 Software Engineering Project
	CS 455 Cryptography & Network Security
	CS 460 Data Warehousing & Advanced SQL
IT 262 Network Security	CS 490 Advanced Special Topics
	CS 495 Artificial Intelligence & Robotics
	CS 496 Games Programming
	CS 498 Independent Study (allowed with Department approval)
	MATH 152 Calculus II (recommended)

APPENDIX F

AS Early Childhood Education to BS Education: Early Childhood Education

<p>AS Early Childhood Education</p> <p>https://www.nhti.edu/program/early-childhood-education/</p>	<p>BS Education: Early Childhood Education</p> <p>https://www.keene.edu/catalog/programs/detail/education-bs/</p>
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Early Childhood Education Option: 48 credits, plus liberal arts major

Students seeking certification in Early Childhood Education are required to complete a liberal arts major in one of the following areas:

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> ▪ American Studies ▪ Applied Computer Science ▪ Art (portfolio requirement) ▪ Biology ▪ Chemistry ▪ Chemistry-Physics ▪ Communication ▪ Computer-Mathematics ▪ Economics | <ul style="list-style-type: none"> ▪ English ▪ Environmental Studies ▪ Film Studies ▪ French ▪ General Science ▪ Geography ▪ Geology ▪ History ▪ Holocaust and Genocide Studies ▪ Individualized Major | <ul style="list-style-type: none"> ▪ Journalism ▪ Mathematics ▪ Music (audition required) ▪ Psychology ▪ Social Science ▪ Sociology ▪ Spanish ▪ Theatre and Dance |
|--|--|---|

NHTI	KSC
	Major Requirements
ECE 101 Growth and Development and ECE 270 Teaching Young Child with Exceptionalities	EDUC 111 Issues in Early Childhood and EDSP 202 Dev, Except, Learning
MT 120 Topics in Applied College Mathematics	MATH 171 Structure of Number Systems
ECE 215 Infant/Toddler Prog and ECE 242 Child, Family, Community	EDUC 211 Infant, Toddler, Families
EDU 211 Reading and Language Development and EDU 208 Content Literacy	EDUC 205 Literacy
ECE 143 Teaching & Learning STEAM ECE 155 Young Children's Lang. & Lit Dev. ECE 167 Positive Behavior & Guidance ECE 188 Health/Safety/Nutrition ECE 275 Practicum 1 Observation, Interpretation, Assessment, & Portfolio	EDUC 314 Practicum I (based on the candidate having a B average in ECE courses and the presentation of portfolio documents to EC program coordinator)

ECE 276 Practicum 2 Student Teaching: Implementing Responsive Emergent Curriculum	
	No substitution beyond this level. Requirements for admission and progression to the major include: a cumulative GPA of 2.75 and 3.0 GPA within the EC major. Other required courses include: MATH 171 EDUC 205 EDUC 315 EDUC 412 EDUC 414 or 415/416

APPENDIX G

AS Early Care and Education for Young Children with Disabilities to BS Early Childhood Education

<p>AS Early Care and Education for Young Children with Disabilities</p> <p>https://www.nhti.edu/program/early-care-and-education-for-young-children-with-disabilities/</p>	<p>BS Education: Early Childhood Education</p> <p>https://www.keene.edu/catalog/programs/detail/education-bs/</p>
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Early Childhood Education Option: 48 credits, plus liberal arts major

Students seeking certification in Early Childhood Education are required to complete a liberal arts major in one of the following areas:

- | | | |
|-------------------------------|----------------------------------|-----------------------------|
| ▪ American Studies | ▪ English | ▪ Journalism |
| ▪ Applied Computer Science | ▪ Environmental Studies | ▪ Mathematics |
| ▪ Art (portfolio requirement) | ▪ Film Studies | ▪ Music (audition required) |
| ▪ Biology | ▪ French | ▪ Psychology |
| ▪ Chemistry | ▪ General Science | ▪ Social Science |
| ▪ Chemistry-Physics | ▪ Geography | ▪ Sociology |
| ▪ Communication | ▪ Geology | ▪ Spanish |
| ▪ Computer-Mathematics | ▪ History | ▪ Theatre and Dance |
| ▪ Economics | ▪ Holocaust and Genocide Studies | |
| | ▪ Individualized Major | |

NHTI	KSC
	Major Requirements
ECE 101 Growth and Development and ECE 270 Teaching Young Child with Exceptionalities	EDUC 111 Issues in Early Childhood and EDSP 202 Dev, Except, Learning
MT 120 Topics in Applied College Mathematics	MATH 171 Structure of Number Systems
ECE 215 Infant/Toddler Prog and ECE 242 Child, Family, Community	EDUC 211 Infant, Toddler, Families
EDU 211 Reading and Language Development and EDU 208 Content Literacy	EDUC 205 Literacy
ECE 225 Autism Spectrum Disorder ECE 282 Preschool Special Education Practicum ECE 283 Early Intervention Practicum	EDUC 315 Practicum II (based on candidate having a B average in ECE courses and presentation of portfolio documents to EC program coordinator)

	<p>No substitution beyond this level. Students still need to complete EDUC 314 EC Practicum 1: Curriculum at KSC with a grade of "B" or better. Requirements for admission and progression to the major includes: a cumulative GPA of 2.75 and 3.0 GPA within the EC major. Other required courses include: MATH 171 EDUC 205 EDUC 314 EDUC 412 EDUC 414 or 415/416</p>
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APPENDIX H

AS Education to BS Education: Elementary Education

AS Education	BS Education: Elementary Education
https://www.nhti.edu/program/education/	https://www.keene.edu/catalog/programs/detail/education-bs/

Elementary Education option: 48 credits, plus liberal arts major

Education majors must also fulfill requirements of a liberal arts major. Students seeking certification in Elementary Education are required to complete a liberal arts major in one of the following areas:

- | | | |
|-------------------------------|----------------------------------|-----------------------------|
| ▪ American Studies | ▪ Economics | ▪ Individualized Major |
| ▪ Applied Computer Science | ▪ English | ▪ Journalism |
| ▪ Art (portfolio requirement) | ▪ Environmental Studies | ▪ Mathematics |
| ▪ Biology | ▪ Film Studies | ▪ Music (audition required) |
| ▪ Chemistry | ▪ French | ▪ Psychology |
| ▪ Chemistry-Physics | ▪ General Science | ▪ Social Science |
| ▪ Communication | ▪ Geography | ▪ Sociology |
| ▪ Computer-Mathematics | ▪ Geology | ▪ Spanish |
| | ▪ History | ▪ Theatre and Dance |
| | ▪ Holocaust and Genocide Studies | |

NHTI	KSC
EDU 104 Foundations of Education	EDUC 121 Issues in Elementary Education
EDU 211 Reading and Language Development And EDU 208 Content Literacy	EDUC 205 Literacy in Diverse Classrooms
EDU 101 Introduction to Exceptionalities And PY 200 Human Growth and Development	EDSP 202 Development, Exceptionality and Learning
MT 120 Topics in Applied College Mathematics	Math 171 Structure of Number Systems
	Math 172 Application of Number Systems
	EDUC 321 Elementary Methods I: Integrating Literacy, Social Studies and the Arts
	EDUC 322 Elementary Methods II: Integrating Math, Science and Literacy
	IIEDUC 306 Women in Education or II330 A Just World
	EDUC 400 Student Teaching (Elementary)
	EDUC 420 Student Teaching Seminar

APPENDIX I

AS Business Administration to BS Business Management

<p>AS Business Administration</p> <p>https://www.nhti.edu/program/business-administration/</p>	<p>BS Business Management</p> <p>https://www.keene.edu/catalog/programs/detail/management-bs/</p>
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This career-oriented program emphasizes business management skills and building a solid foundation in the liberal arts and sciences. It is designed to prepare individuals for management careers in for-profit or non-profit organizations and public agencies, as well as for graduate work.

NHTI	KSC
	Major Requirements
BU270C Principles of Management	MGMT 101 Introduction to Management
MATH 120C Quantitative Reasoning or MATH 120XC Quantitative Reasoning	MGMT 140 Quantitative Decision Making
AC 101 Accounting 1 and AC 102 Accounting 2	MGMT 213 Financial Accounting
AACT 110C Managerial Accounting or AACT 250C Cost Accounting or BUS 250C Principles of Finance	MGMT 214 Managerial Accounting
BU 245C Organizational Behavior	MGMT 301 Organizational Theory & Behaviors
BU 250 Principles of Finance	MGMT 319 Financial Management
BUS 170C Principles of Marketing	MGMT 331 Principles of Marketing
	MGMT 381 Management Information Systems
	MGMT 451 Business & Society
	MGMT 491 Strategic Management
	Management Electives (8 credits at 300-400 level)
	Allied Discipline Requirements
ENGL 120C Communications	IH COMM 171 Public Speaking
ECON 102C Microeconomics	ECON 103 Introduction to Microeconomics
ECON 101C Macroeconomics	ISECON 104 Introduction to Macroeconomics

APPENDIX J

AS Addiction Counseling to BS Public Health: Addiction and Pre-Professional Mental Health Option

<p>AS Addiction Counseling</p> <p>https://www.nhti.edu/program/addiction-counseling/</p>	<p>BS Public Health: Addiction and Pre-Professional Mental Health Option</p> <p>https://www.keene.edu/catalog/programs/detail/public-health-bs/</p>
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The Addiction and Pre-Professional Mental Health Option at KSC is an academic program with practical training in preparation for further studies in the field or entry-level employment in addiction and pre-professional mental health organizations and agencies.

Depending on the criteria of each state, the work in this program may be applied toward becoming a licensed or certified alcohol and drug abuse counselor or prevention specialist.

Admission Criteria: Overall GPA of 2.5, major GPA of 2.5, and a grade C or higher in PH 101 Health and Wellness is required. For transfer students, equivalent transferred courses may be considered if approved by Public Health faculty.

NHTI	KSC
	Major Requirements
	Core Courses
HLTH 150C Introduction to Personal Wellness	PH 101 Health and Wellness
INDL 120C Global Public Health Issues	ISPH 285 Health in Society
	PH 245 Introduction to Research Methods
	PH 360 Physical Activity and Health
ADCL 120C Survey of Addictive Behaviors and Treatment	PH 380 Addiction: Theory, Research, and Practice
	PH 385 Behavior Change
	PH 485 Health Promotion Practice
	<i>Select one of the following:</i>
	PH 494 Public Health Capstone
	PH 495 seminar: Public Health Research
	Addiction and Pre-Professional Mental Health Option Requirements
	PH 185 Introduction to Add and PPMH (2 credits)
	PH 200 Alcohol and Other Drugs: The Fundamentals
BI 259 Normal and Therapeutic Nutrition	INPH 175 Essentials of Nutrition
	PH 360 Physical Activity and Health
PSYC 280 C Individual Counseling: Theory and Practice	PH 382 Introduction to Counseling Skills
	PH 491 Addiction and PPMH Treatment: Critical Issues
	PH 493 Co-Occurring Disorders
	PH 492 Internship in Add and PPHM
PSYCH 105C Introduction to Psychology	ISPSYC 101 General Psychology
	PSYC 242 Personality

	PSYC 253 Brain and Behavior
PSYCH 220C Human Growth and Development: The Life Span	ISPSYC312 Lifespan Psychology
PSYC 210C Abnormal Psychology	PSYC 345 Abnormal Psychology
	Allied Health Requirements
EN 120 Communications	IHCOMM 171 Public Speaking
PY 105 Introduction to Psychology	ISPSYC 101 General Psychology
BI 195 Anatomy & Physiology I	BIO 230 Human Anatomy & Physiology I w/ lab
BI 196 Anatomy & Physiology II	BIO 330 Human Anatomy & Physiology II w/ lab
CH 103 General Chemistry I	INCHEM 103 Introduction to Chemistry

APPENDIX K

NHTI General Education and KSC Integrative Studies Program (ISP) Equivalencies

NHTI, Concord's Community College General Education Courses:

NHTI, Concord's Community College Requirements - 27 credits. Associate in Arts and Associate in Science degree programs offered at NHTI include a minimum number of credits in General Education courses distributed in accordance with the policy of the Community College System. Courses fulfilling General Education requirements are designed to supplement and expand upon the knowledge and skills acquired in the student's major field courses to help ensure that graduates meet the definition of an educated person.

KSC Intergrative Studies Program (<https://www.keene.edu/academics/isp/>)

Every Keene State College student is required to complete a total of 40 credits within the Integrative Studies Program, including a minimum of two courses in residency at the 300 or 400 level. **Foundations** courses lay the groundwork for intellectual engagement at a higher level. **Perspectives** courses assure a broad knowledge base while allowing the student to explore areas outside of the chosen major. **Interdisciplinary** courses combine scholarship from multiple disciplines in innovative ways.

NHTI General Education	KSC Integrative Studies Program (ISP)
	Foundations
EN 101	ITW – Thinking & Writing ▪ ITW 101
Mathematics ▪ MT 251	IQL – Quantitative Literacy Competency ▪ IQL 101
	Perspectives
Visual Arts ▪ Any FA and EN 295	IA – Fine & Performing Arts (one course)
Foreign Language, Humanities, Literature, Communications ▪ Any EN except 100, 295, HI, PI and FL 110, 111, 112, 115, 116, 121, 122, EC 155	IH – Humanities (one course)
	One additional IA or IH course
Science ▪ Any BI except 159, 195, 196, 202, 259, 279, CH, PH, SC except 110	IN – Natural Science (one course)
Social Science ▪ Any AN, EO, PS, PY except 298, SO	IS – Social Science (one course)
	One additional IN or IS course
	Interdisciplinary
SC 110	II – Integrative Interdisciplinary
	Elective
	One Additional IA, IH, IN, IS, or II course.

APPENDIX L

This agreement identifies courses taken at NHTI that may be applied to various baccalaureate programs at KSC. These equivalencies create a pathway for students to transition from NHTI to KSC.

On the following pages, pathways are defined from NHTI to these KSC programs:

<ul style="list-style-type: none">▪ BA American Studies▪ BA Economics▪ BA English: Literature Option▪ BA English: Writing Option▪ BA History▪ BA Mathematics▪ BA Psychology▪ BA Sociology	<ul style="list-style-type: none">▪ BS Chemistry▪ BS Education: Secondary▪ BS Environmental Studies▪ BS Public Health: Nutrition▪ BS Public Health: Population Health, with specializations in 1) Community Health and 2) Pre-Professional Health▪ BS Exercise Science▪ BS Safety and Occupational Applied Health Sciences▪ BS Sustainability Studies
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BA American Studies

<https://www.keene.edu/academics/programs/amst/>

The American Studies program offers students an interdisciplinary liberal arts education. Students in American Studies engage in a challenging exploration of historical and contemporary American culture and the American multicultural identity, including its past and present values, conflicts and experiences. American Studies prepares students for career opportunities in elementary and secondary education, graduate school; law school, business and work in libraries, museums and historic preservation; newspaper, magazine and broadcast journalism; film or media work; work in federal, state and local agencies, both public and private; government and politics; nonprofit organizations; writing, editing and publishing; international relations and diplomacy; public relations and advertising; and social services.

Language Requirement: Each student must demonstrate proficiency in a language other than English.

NHTI	KSC
	KSC Major Requirements
	Core Courses (16 credits)
	<i>Choose two from the following:</i>
	IHAMST 140 What is American Studies?
ANTH 210C Native American Studies I (3)	IHAMST 248 Cultures of Northern Plains Indians (Differing Culture Perspectives)
	IHAMST 250 Interpreting American Cultures
	<i>Take both of the following:</i>
	AMST 490 Advanced Special Topics
	AMST 495 Seminar
	Area Courses
	United States History
	<i>Choose two from the following:</i>
HIST 120C United States History: to 1870 (3)	IHHIST 161 American Encounters to 1877
HIST 121C United States History: 1870 to present (3)	IHHIST 162 American Encounters from 1877
	IHHIST 211 The Worlds of Early America
	IHHIST 310 Who is Benjamin Franklin?
	IHHIST 358 American Empire I
	IHHIST 359 American Empire II
	HIST 360 Natives and Newcomers in North America: 1500-1766
	HIST 361 The American Revolution
	HIST 362 American Slavery/American Capitalism 1787-184
	HIST 363 The United States in Civil War Period: 1850-1876
	HIST 364 19th-Century America
	HIST 366 U.S. in Crisis: 1920-1950
	HIST 367 Modern America: 1950-Present
	IHHIST 368 Brahmins & Bosses: Boston History

	IHHIST 371 Africans in the Colonial Atlantic World
	IHHIST 372 Gender and Power in Early North America 1600-1800
	HIST 373 Race, Disability, and Eugenics
	IHHIST 375 War and Culture in Early America 1600-1865
	IHHIST 376 Modern United States Military History 1865-Present
	IHHIST 377 Sports and American History
	IHHIST 378 Alcohol and American History
	Cultures, Contexts, and Diversity Choose two from the following:
	AMST 350 Perspectives in American Culture
	IAMST 370 American Biography
ENGL 291AC Comparative Issues and World Literature: Contemporary Latin American Literature	IHAMST 372 Readings in American Studies
	IAMST 375 American Cultural Studies
	IAMST 380 The New England Experience
	AMST 390 Critical Approaches
	IAMST 391 Interdisciplinary Topics in American Studies
	ENG 344 Studies in American Literature
	ENG 345 Studies in African American Literature
	ENG 347 American Indian Writers and their Cultures
	ENG 370 Studies in Literatures of the Americas
	IIWGS 300 Critical Ethnic Studies
	WGS 302 Queer Theories
	WGS 303 Latina Feminist Theories
	Arts, Interdisciplinary & Social Sciences on American Subjects Select two from the following:
	ART 214 Modern Art
	CJS 101 Introduction to Criminal Justice Studies
	ECON 455 Topics in Economic History
	IAMU 112 Latin American Music Survey
MUSC 106C The History of Jazz, Blues and Rock and Roll	IAMU 216 History of Rock and Roll
	IAMU 218 The History of Jazz
	IAMU 242 Listening to America
POLS 110C American Government	ISPOSC 210 United States Politics
POLS 210C State and Local Government	ISPOSC 211 State and Local Politics
	POSC 316 Constitutional Law
	IIWGS 210 Reproductive Justice
ENGL 287C Women in Literature or	IIWGS 240 Race, Gender, Sexuality, and Pop Culture

SOCI 214C Race and Ethnic Relations or ENGL 214C American Literature Survey I: to 1865 or ENGL 215C American Literature Survey II: 1865 to the Present	
	Certification as a Social Studies Teacher <i>American Studies is an approved major for students seeking Secondary Social Studies certification. Students will need to take the following certification requirements:</i>
	Dual Major in Education Secondary Education Requirements for Certification
	IHHIST 161 American Encounters to 1877
	IHHIST 111 The Ancient and Medieval World
	IHHIST 112 The Modern World
	ISECON 104 Introduction to Macroeconomics
	ISGEOG 101 World Regional Geography
	ISPSYC 101 General Psychology
	<i>Select one from the following:</i>
	ISANTH 110 Cultural Anthropology
	100- to 200-level course in Sociology
	<i>Select one from the following:</i>
	ISPOSC 210 United States Politics (This course also applies to the A&H and/or Social Studies area of the American Studies major)
	ISPOSC 220 International Relations

BA Economics

<https://www.keene.edu/academics/programs/econ/>

The BA in Economics combines rigorous training in economic theory with application to contemporary issues such as globalization, financial market volatility, and the environment. The Economics program is a tight-knit community, and majors and minors can expect to work closely with faculty and with each other. Recent graduates have gone on to careers in business and government, law school, and to graduate programs in economics and politics, as well as MBA programs.

NHTI	KSC
	KSC Major Requirements
	Core Courses
ECON 102 Microeconomics	ECON 103 Introduction to Microeconomics
ECON 101 Macroeconomics	ISECON 104 Introduction to Macroeconomics
	ECON 203 Intermediate Microeconomics
	ECON 204 Intermediate Macroeconomics
	ECON 360 History of Economic Thought
	Select one from the following:
MATH 251 Statistics or MATH 271	MATH 141 Introductory Statistics or PSYC 251 Psychological Statistics
	Select one from the following:
MATH 140 or MATH 205	MATH 130 Precalculus or MATH 151 Calculus I
	Economics Electives
	16 credits of 300- or 400-level Economics courses, of which at least eight credits are 400-level.

BA ENGLISH - LITERATURE OPTION

<https://www.keene.edu/academics/programs/eng/>

The English program encourages students to develop sophisticated ways of understanding, creating, and responding to texts. English majors and minors study the historical development of literary and rhetorical traditions, of literatures written in English, as well as world and European literatures in English translation. Students in the literature option read a wide range of literature from various cultures and historical periods.

NHTI	KSC
ENGL 102C Introduction to Literature	ENG 215 Literary Analysis
	Additional 100-200-level ISP ENG or ENG Course Select one from the following:
ENGL 150C Introduction to Drama ENGL 160C Introduction to Poetry ENG 210C British Literature I ENG211C British Literature II ENG 214C American Literature Survey I: to 1865 ENGL 215C American Literature Survey II: to 1865 to Present ENG 251C Contemporary Drama ENGL 255C Shakespeare ENGL 260C The Novel ENGL272C Modern Short Fiction ENGL 285C Literature, Technology and Cultures ENG 287C Women in Literature	IHENG 195 Introduction to College English IHENG 220 Readings in British Literature IHENG 240 Readings in American Literature IHENG 245 Readings in African-American Lit IHENG250 Readings in Continental Literature IHENG 260 Readings in World Literature IHENG 270 Literature and the Environment ENG 290 Topics
	ENG 315 – Literary Form and History
	ENG 415 – Literary Criticism and Theory
	Select four additional 300-level courses, of which three must be in literature:
	ENG 490 – advanced Topics (two sections, two different topics)
	Note: One of the 300- or 400-level literature courses listed above (other than 315 and 415) must be a pre-1800 course, one must be an 1800-1900 course, and one must be a DCP course
	Modern Language
Any language course	All English Majors must take one course at any level in Modern Languages. This course will also count towards the ISP.

BA English - Writing Option

<https://www.keene.edu/academics/programs/eng/>

The English program encourages students to develop sophisticated ways of understanding, creating, and responding to texts. English majors and minors study the historical development of literary and rhetorical traditions, of literatures written in English, as well as world and European literatures in English translation. Students in the writing option read a great deal of literature and study literary method, but focus their coursework on the writing of poetry, fiction and creative nonfiction.

NHTI	KSC
	Major Requirements
	<i>Select one from the following:</i>
ENGL 150C Introduction to Drama ENGL 160C Introduction to Poetry	IHENG 195 Introduction to College English
ENGL 295A Creative Writing: Fiction or ENGL 295B Creative Writing: Poetry	IAENG 204 Creative Writing
ENGL 295C Creative writing: Nonfiction	IAENG 202 Creative Non-fiction
	<i>Also required:</i>
ENGL 102C Introduction to Literature	ENG 215 Literary Analysis
ENGL 260C The Novel or ENGL 272C Modern Short Fiction	ENG 315 Literary Form and History
	ENG 402 Theory and Practice
	ENG 405 Writing Portfolio
	<i>Select two ENG literature courses at the 300 or 400 level:</i>
ENGL 210C British Literature I ENG 211C British Literature II ENG 214C American Literature I ENG 215C American Literature II ENGL 251C Contemporary Drama ENG 255C Shakespeare	Note: ONLY ONE course from the NHTI list may be substituted. The second literature course must be taken at KSC.
	<i>Select three additional writing courses (two must be at the 300-400 level)</i>
	ENG 201 Writing with Style
	ENG 208 Topics in Writing (if not previously completed)
	ENG 301 Fiction workshop
	ENG 302 Poetry Workshop
	ENG 303 Nonfiction Workshop
	ENG 306 Autobiography Workshop
	ENG 307 Writing in the World
	ENG 308 Advanced Topics in Writing
	IAENG 304 Advanced Creative Writing
	ENG 497 Writing/Publishing Internship
	Modern Language

Any language course

All English Majors must take one course at any level in Modern Languages. This course will also count towards the ISP.

BA History

<https://www.keene.edu/academics/programs/hist/>

By combining the development of specific skills with the acquisition of a body of historical knowledge, the History major prepares students for successful careers in primary and secondary education (history and social studies), business and industry, and governmental service. The major also prepares students for graduate study in history, law, and other academic and professional fields.

Students majoring in History must also complete History 200: Reading and Writing in History.

MAJOR REQUIREMENTS

36 credits

- 4 credits at the 100 level
- 8 credits at the 200 level, including History 200
- 16 credits at the 300 level
- 8 credits at the 400 level

NHTI	KSC
HI 104 Western Civilization: Antiquity to 1650 or HI 105 Western Civilization: 1650 to Present or HI 131 World History I (to 1500) or HI 132 World History II (1500-present)	Meets the 4 credit 100-level requirement for HIST 141 & 142 for Western Civilization I/II and HIST 111 & HI 112 for Modern World Civilization
HI 120 United State History to 1870	HIST 161 Topics in US History I
HI 121 United States History, 1870 to Present	HIST 162 Topics in US History II

BA Mathematics

<https://www.keene.edu/academics/programs/math/>

The Bachelor of Arts in Mathematic provides students breadth and depth through an integrated approach to the study of mathematics. The program prepares students for either an immediate career, especially teaching, or graduate school. A decision to undertake the Mathematics major should be made no later than the beginning of the sophomore year if the program is to be completed in four years. Students entering as Mathematics majors should take MATH 151 Calculus I as soon as possible.

NHTI	KSC
	KSC Major Requirements
	Core Courses
MT 205 Calculus I	MATH 151 Calculus I
MT 206 Calculus II	MATH 152 Calculus II
	MATH 225 Introduction to Abstract and Discrete Mathematics
	MATH 231 Linear Algebra and Differential Equations
	MATH 241 Probability and Statistics
	MATH 300 Introduction to Algebra and Analysis
	MATH 400 Capstone in Mathematics
	Pure Area <i>Select one from the following:</i>
	MATH 320 Geometry (required for prospective secondary teachers)
	MATH 337 Number Theory
	MATH 490 Topics in Pure Mathematics
	Applied Area <i>Select one from the following:</i>
MT 210 Differential Equations	This course will apply in this area
MT 251 Statistics	MATH 141 Introductory Statistics
	MATH 242 Applied Statistics
	MATH 251 Vector Calculus
	MATH 341 Probability and Statistics II
	MATH 360 Numerical Methods
	MATH 361 Differential Equations
	MATH 365 Mathematical Modeling
	<i>Plus, one additional mathematics course at the 300-level or above, including IIMATH 310 and IIMATH 315</i>
	<i>Plus, both of the following:</i>
CP 235 Algorithms with Object Oriented Programming	CS 140 Computer Programming I
	INPHYS 241 University Physics I

BA Psychology

<https://www.keene.edu/academics/programs/psyc/>

The psychology program prepares students for success in a graduate program in psychology and/or a career in a psychology related field. The program exposes students to the methodologies, problems, bodies of knowledge, and broad range of perspectives found currently in psychology.

The application process for formal admission to the Psychology major occurs during the first or second semester of the sophomore year, e.g., upon completion of PSYC 101, PSYC 251, and either PSYC 242 or PSYC 253. To be admitted to the major, the student must achieve a minimum GPA of 2.5 and no less than a grade C in any of these three courses, and must be in good academic standing with the College.

NHTI	KSC
	KSC Major Requirements
	Core Courses
PY 105 Introduction to Psychology	PSYC 101 General Psychology
	PSYC 251 Psychological Statistics
	PSYC 252 Research Methods in Psychology
	PSYC 253 Brain and Behavior
	PSYC 382 History of Psychology
	PSYC 495 Seminar
	Psychology Electives <i>Select at least two courses from one of the following groups and at least one course from each of the remaining groups:</i>
	Group 1
	PSYC 242 Personality
	PSYC 340 Psychological Testing
PY 210 Abnormal Psychology	PSYC 345 Abnormal Psychology
PY 280 Individual Counseling: Theory and Practice and PY 280 Group Counseling	PSYC 444 Counseling
	PSYC 447 Clinical Psychology
	Group 2
PY 225 Social Psychology	PSYC 221 Social Psychology
	PSYC 311 Child/Adolescent Psychology
	PSYC 314 Adulthood and Aging
	PSYC 332 Ethology
	PSYC 425 Psychology of Women
	Group 3
	PSYC 321 Culture and Psychology
	PSYC 355 Psychology of Learning
	PSYC 357 Cognitive Processes
	PSYC 451 Motivation
	PSYC 453 Sensation and Perception

BA Sociology

<https://www.keene.edu/academics/programs/soc/>

The Sociology program offers students knowledge and resources to search systematically for answers to questions about society. Sociology students develop a sociological imagination, which is the ability to grasp the close relationship between personal experiences and the larger social world. Our majors study social and cultural forces that shape individual and group behavior using a variety of scientific methods such as surveys, interviews, observation, and content analysis. By studying and critically assessing sociological theories, sociology students also describe, interpret, and explain how the world works.

Core courses provide excellent training in sociological concepts, theories, and methods. Electives focus on topics like the environment, popular culture, families, inequalities, race and ethnicity, crime and deviance, anthropology, and global society. Sociology majors may also engage in community research, service learning projects, internships, and travel through coursework. Students with a bachelor's degree in sociology are well prepared for graduate and professional studies and careers using their interpersonal skills and specialized knowledge in the areas of education, social services, human rights, health and wellness, justice, advocacy, and research.

To earn a degree in Sociology, the student must earn a grade C or better in the following core courses: SOC 201 SOC 301, SOC 303, and SOC 305. Courses may be retaken as needed to meet this requirement.

NHTI	KSC
	Core Courses
SO 105 Introduction to Sociology	ISSOC125 Introduction to Sociology
	SOC 301 Sociological Research Methods
	SOC 303 Sociological Quantitative Analysis
	SOC 305 Sociological Theory
	KSC Major Requirements <i>Select one of the following:</i>
	ISANTH 110 Cultural Anthropology
	ISANTH 111 Archeology and Physical Anthropology
	<i>Select one of the following:</i>
	HGS 427/SOC 427 Sociological Topics in Genocide
	SOC 450 Mind, Self and Society
	SOC 455 The Body and Sexuality in Society
	SOC 461 White-Collar Crime
	SOC 472 Sociology of Health and Medicine
	SOC 475 Social Stratification
	SOC 480 Political Sociology
	SOC 485 Science and Society
	SOC 490 Advanced Topics in Sociology
	Sociology Electives
SO 205 The Individual and Society SO 214 Race and Ethnic Relations SO 226A Service Citizenship, and Community	12 credits in sociology electives must be taken. Four credit hours of Anthropology courses may be used to satisfy this requirement.

SO 240 Marriage, Family and Personal Relationships SO 250 Conflict Resolution in Modern Society SO 298 Travel/Study Abroad Experience	
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BS Chemistry

<https://www.keene.edu/academics/programs/chem/>

The BS in Chemistry should serve as a general preparation for a professional scientist. The major was designed according to guidelines from the American Chemical Society (ACS) to be rigorous, yet flexible enough to allow for preparation for immediate employment, graduate study, or work in an allied profession.

NHTI	KSC
	Integrative Studies Requirements
CH 103 General Chemistry I	INCHEM 111 General Chemistry I
CH 104 General Chemistry II	CHEM 112 General Chemistry II
	CHEM 221 Organic Chemistry I
	CHEM 222 Organic Chemistry II
	CHEM 251 Quantitative Analysis
	CHEM 341 Physical Chemistry I
	CHEM 342 Physical Chemistry II
	CHEM 363 Inorganic Chemistry
	CHEM 375 Biochemistry
	CHEM 421 Advanced Synthetic Chemistry
	CHEM 454 Instrumental Analysis
	<i>Select one from the following:</i>
	CHEM 321 Organic Chemistry III
	CHEM 333 Medicinal Chemistry
	CHEM 365 Organometallics
	CHEM 373 Polymer Chemistry
	Related Field
MT 251 Statistics	MATH 141 Introductory Statistics
MT 205 Calculus I	MATH 151 Calculus I
MT 206 Calculus II	MATH 152 Calculus II
BI 111 General Biology I	BIO 110 Molecules and Cells
BI 112 General Biology II	
	<i>Select one PAIR from the following:</i>
PH 133 Physics I: Mechanics, Heat and PH 135 Physics II: Light, Sound, Electricity	INPHYS 141 College Physics I and PHYS 142 College Physics II
	INPHYS 241 University Physics I and PHYS 242 University Physics II

BS Education - Secondary

<https://www.keene.edu/academics/programs/educ/>

Building on the historical legacy of teacher preparation at Keene State College, the Education program mission is to prepare competent, reflective classroom teachers and other professional school personnel who utilize effective teaching practices and who create developmentally appropriate educational environments for diverse learners. Keene State College has been an NCATE accredited institution since 1954.

Transfer Credits - Students who wish to transfer credits into a teacher certification option must apply through the department chair.

Liberal Arts Major - The New Hampshire State Department of Education requires students completing Education majors to also demonstrate depth of knowledge in a content area. Therefore, Education majors must also fulfill requirements of a liberal arts major.

PRAXIS - The PRAXIS must be passed prior to acceptance to KSC Education program. If a transfer student wishes to take EDUC 331 (or any upper level EDUC or EDSP course), they will need to have passed the Praxis CORE math, reading, and writing.

Students seeking certification in **Middle or Secondary Education** are required to complete a liberal arts major in one of the following areas:

- Biology
- Chemistry
- Chemistry-Physics
- Earth/Space Science
- English
- General Science
- Geography
- Geology
- History
- Mathematics
- Modern Languages (French or Spanish)
- Physical Science
- Social Science

Is it strongly recommended that a transfer student complete a number of these courses, in their selected liberal arts major prior to transfer to ensure course sequencing and to enter KSC with a solid foundation.

NHTI	KSC
ED 104C Foundations of Education	EDUC 131 Issues in Secondary Education
ED 203C Teaching Strategies for Diverse Learners and ED209C Curriculum and assessment	EDUC 231 Curriculum for a Diverse World
	EDUC 331 Secondary Methods I
	EDSP 333 Secondary Special Education and Management
	EDUC 431 Secondary Methods II
	EDUC 432 Education Theories/Trends
	EDUC 400 Student Teaching

BS Environmental Studies

<https://www.keene.edu/academics/programs/enst/>

The Environmental Studies (ENST) major provides students with a conceptual framework and set of skills needed to make effective, relevant, and sustaining contributions to society with respect to environmental issues, both as professional practitioners and as individual citizens.

NHTI	KSC
	Major Requirements
SOC 180C Environment and Society	ENST 250 Principals of Sustainability
ENV 101 Fundamentals of Environmental Science	IENST 150 Global Env Change
GEOL 101C Essentials of Geology	INGEOS 201 The Physical Earth
BI 212 Ecology	ENST 252 Ecology of a Changing Planet I
	ENST 253 Environmental Governance
	ENST 395 Junior Seminar
	ENST 495 Senior Seminar
	Human Dimension <i>Select one of the following:</i>
	ENST 304 Environmental Law and Regulation
	ENST 308 Environmental Issue Management
	ENST 404 Risk and the Environment
	ENST 431 Environmental Policy Analysis
	Environmental Science <i>Select one of the following:</i>
	ENST 312 Energy and Sustainability
	ENST 352 Conservation of Ecological Systems
	ENST 452 Ecosystems and the Environment
BI 215 Freshwater Ecology	ENST 460 Groundwater in the Environment
	Environmental Studies <i>Select two additional courses at the 300 level or above:</i>
	ECON 340 Environmental Economics
	GEOG 330 Natural Resource Management
	GEOG 332 Global Water resources
	GEOG 324 Vector GIS
	GEOG 327 Environmental Remote Sensing
	POSC 315 Environmental Policy
	SOC 380 Environmental Sociology
	Courses recommended but not required:
CH 105 Chemistry	INCHEM 103 Fundamentals of Chemistry
EO 101 Macroeconomics	ISECON 104 Intro to Macroeconomics
	ISGEOG 204 Physical Geography
MT 251 Statistics	MATH 141 Statistics

BS Public Health: Nutrition

<https://www.keene.edu/academics/programs/ph/>

As an option under the BS in Public Health, the Nutrition option provides the basic academic preparation necessary for the first step in the field of nutrition and, if interested, to become a registered dietitian (RD). Certification as an RD or a diet technician is required for professional health care positions. Becoming a diet technician requires passing a registration exam after completing your BS. To become an RD requires completion of an approved postgraduate supervised practice program and a master's degree.

Graduating with a BS in Public with the Nutrition option prepares students for positions in food service management, health education, community nutrition, and entry level nutrition- based research.

Students must have an overall GPA of 2.8. After completion of the following courses, with an average of B or higher (3.0), students interested in pursuing the Nutrition option must apply for permanent admission to the Public Health Nutrition option:

- PH 101 Health and Wellness
- INPH175 Essentials of Nutrition Science
- INCHEM 103 Fundamentals of Chemistry

For transfer students, equivalent transferred courses may be considered if approved by the Admissions Committee.

NHTI	KSC
	KSC Major Requirements
	Core Courses
HLTH 150C Introduction to Personal Wellness	PH 101 Health and Wellness
INDL 120C Global Public Health Issues	ISPH 285 Health in Society
	PH 245 Introduction to Research Methods
	PH 360 Physical Activity and Health
ADCL 120C Survey of Addictive Behaviors and Treatment	PH 380 Addiction: Theory, Research, and Practice
	PH 385 Behavior Change
	PH 485 Health Promotion Practice
	Select one of the following:
	PH 494 Public Health Capstone
	PH 495 seminar: Public Health Research
	Nutrition Option
	<i>This option provides the basic academic preparation necessary to become a registered dietitian (RD). Students must have an overall GPA of 2.8. After completion of the following courses with an average of B or higher (3.0), students interested in pursuing the Nutrition option must apply for permanent admission to the Public Health Nutrition option:</i>
	<ul style="list-style-type: none"> ▪ PH 101 Health and Wellness

	<ul style="list-style-type: none"> ▪ <i>INPH175 Essentials of Nutrition Science</i> ▪ <i>INCHEM 103 Fundamentals of Chemistry</i> <p><i>For transfer students, equivalent transferred courses may be considered if approved by the Admission Committee.</i></p>
	Required for Admission Consideration
HLTH 150C Introduction to Personal Wellness	PH 101 Health and Wellness
BIOL 259C Normal and Therapeutic Nutrition	INPH 175 Essentials of Nutrition Science
CHEM 105C Chemistry	INCHEM 103 Fundamentals of Chemistry
	Nutrition Option Requirements
BIOL 259 Normal and Therapeutic Nutrition	INPH175 Essentials of Nutrition Science
	PH 215 Nutrition Science and Application
	PH 216 Food Culture and Community Nutrition
	PH 225 Nutrition Profession
	PH 310 Food Science
	PH 313 Foodservice Management
BIOL 279 Life Cycle Nutrition	PH 318 Nutrition Throughout the Lifespan
BIOL 229C Nutrition Exercise and Sports	PH 360 Physical Activity and Health
	PH 414 Medical Nutrition Therapy I
	PH 415 Nutritional Biochemistry
	PH 416 Medical Nutrition Therapy II
	PH 473 Practicum: Nutrition
	Allied Discipline Requirements
BIOL 195 Anatomy & Physiology I	BIO 230 Human Anatomy & Physiology I with Lab
BIOL 196 Anatomy & Physiology II	BIO 330 Human anatomy & Physiology II with Lab
BIOL 202C Microbiology	BIO 240 Cell and Microbial Biology
CHEM 105C Chemistry	INCHEM 103 Fundamentals of Chemistry with Lab
CHEM 205 Organic Chemistry	CHEM 220 Fundamental Organic Chemistry with Lab
ENGL 120 Communications	IHCOMM 171 Public Speaking

BS Public Health: Population Health

<https://www.keene.edu/academics/programs/ph/>

Population Health option graduates work to change policies, environments, attitudes, and behaviors that affect health. The Community Health specialization prepares students for professional careers in community health education, global health, or for graduate programs in public health or health education. The Pre-Professional Health prepares students for advance studies and careers in nursing, physician’s assistant, chiropractic, occupational therapy, medical school or other health-related professions.

NHTI	KSC
	KSC Major Requirements
	Core Courses
HLTH 150C Introduction to Personal Wellness	PH 101 Health and Wellness
BI 259 Normal and Therapeutic Nutrition	IN 175 Essential of Nutrition Science
	PH 245 Introduction to Research Methods
INDL 120C Global Public Health Issues	ISPH 285 Health in Society
	PH 360 Physical Activity and Health
ADCL 120 Survey of Addictive Behaviors and Treatment	PH 380 Addiction: Theory, Research, and Practice
	PH 385 Behavior Change
	PH 485 Health Promotion Practice
	Select one of the following:
	PH 494 Public Health Capstone
	PH 495 seminar: Public Health Research
	Population Health Option <i>The Population Health option offers two specializations:</i> 1) Community Health 2) Pre-Professional Health <i>Students select one of the specializations and complete option requirements and specialization requirements.</i>
	HLSC 365 Exercise Science and Application
	Allied Discipline Requirements
BI 195 Anatomy & Physiology I	BIO 230 Human Anatomy & Physiology w/ lab
BI 196 Anatomy & Physiology II	BIO 332 Human Anatomy & Physiology w/ lab
CH 103 General Chemistry I	INCHEM 103 Introduction to Chemistry
EN 120 Communications	IHCOMM 171 Public Speaking
PY 105 Introduction to Psychology	PSYCH 101 General Psychology
	Community Health Specialization Requirements
	IENST 150 Global Environmental Change
	PH 305 Epidemiology in Health Science
	PH 325 Public Health
	PH330 Health Psychology
	Select one from the following:
MT 251 Statistics	MATH 141 Introductory Statistics
	MATH 242 Applied Statistics

	Select one from the following:
	PH 318 Nutrition Throughout the Lifespan
	ISPSYC 312 Life Span Psychology
	Pre-Professional Health Specialization
	MATH 141 Introductory Statistics
	PH 240 Microbiology for Health Professionals
	PH 305 Epidemiology
PSYC 220C Human Growth and Development: The Life Span	ISPSYCH 312 Lifespan Psychology
	PH 325 Public Health
	PH 330 Health Psychology

BS Exercise Science

<https://www.keene.edu/academics/programs/exercise-science/>

Exercise Science is a multidisciplinary science-based program, which is fast growing and ever changing. It is intended for students who would like to pursue a career in exercise science, sports medicine, or allied health. Exercise Science is an area of study that prepares students for a variety of professions that include competitive sports, community recreation, health and wellness, rehabilitation, and medicine.

Retention Standards

Enrollment in HPEX 372, HPEX 472, and HPEX 492 requires the following standards:

- Student must receive a C or better in all required Exercise Science Major courses
- Student must maintain a cumulative GPA of 2.5 and a major GPA of 2.5

NHTI	KSC
	Allied Requirements
CH 103 General Chemistry I (This course may be accepted for any of the three KSC courses listed in the next column.)	INCHEM 100 INCHEM 103 INCHEM 111
BI 195 Anatomy & Physiology I	BIO 230 Human Anatomy & Physiology I
BI 196 Anatomy & Physiology II	BIO 232 Human Anatomy & Physiology II
IDS 120 Global Public Health Issues	ISPH 285 Health and Society
	Exercise Science Core Requirements
CHWN 101 Foundations of Health & Wellness	PH 101 Health and Wellness
To be reviewed	HP 200 Applied Kinesiology
To be reviewed	HP 201 Physiology of Exercise
To be reviewed	HPEX 250 Concepts of Exercise Training
	HPEX 332 Exercise Programming and Testing
	HPEX 335 Advanced Strength and Conditioning
BI 229 Nutrition in Exercise and Sports	HP 344 Sports Nutrition
	HPEX 372 Practicum: Exercise Leadership
	HPEX 492 Exercise Science Seminar
	Allied Health Option Requirements
PY 226A Sport and Exercise Psychology	PH 330 Health Psychology/IIHP 352 Exercise Psychology
	HP 340 Epidemiology of PA and Injury
	HPAT 341 Pharmacology, Pathology and Exercise
	HP 460 Experimental Design
	Human Performance Option Requirements
	HP 210 Introduction to Coaching
	Select three of the following:
	MGT 307 Sports Management (MGT 101 is a prerequisite)
	IIHP 310 Psycho-Social Aspects of Sport
	HPEX 371 Coaching Practicum
	PH 330 Resiliency in Well Being

BS Safety and Occupational Applied Health Sciences

<https://www.keene.edu/academics/programs/safe/>

This major prepares students for a variety of occupational safety and health program management positions in the private and public sector. Emphasis is placed on critical thinking, hazard identification and prioritization, problem solving, cost effectiveness, professional skills in programmatic management, and safety and environmental regulatory compliance. Graduates will have the capacity to pursue graduate study, participate in applied research, or transition directly into careers in loss control, risk management, organizational safety, and consulting.

NHTI	KSC
	Major Requirements
	Core Courses
	SAFE 101 Safety Awareness
	SAFE 202 Occupational Safety
	SAFE 214 Safety and Health Standards
	SAFE 215 Human Factors in Safety
	SAFE 302 Law and Ethics in Safety
	SAFE 304 Environmental Law & Regulation
	SAFE 305 Health Hazard Identification
	SAFE 306 Systems & Behavioral Sciences
	SAFE 307 Safety Management Systems
	SAFE 319 Fire & HAZMAT
	SAFE 329 Safety Training Methods
	SAFE 401 Industrial Hygiene
	SAFE 411 Physical Health Hazards
	Safety Electives <i>Select one of the following:</i>
	SAFE 205 Construction Methods
	SAFE 301 Risk Management
	SAFE 308 Construction Safety Practices
	SAFE 402 Critical Incident Response
	SAFE 490 Adv Special Topics in Safety
	Allied Requirements
MATH 124C or MATH 124XC College Algebra	MATH 120 Applied Algebra & Trigonometry
	Safety Capstone
	SAFE 497 Innovative Safety Leadership

BS Sustainability Studies

<https://www.keene.edu/academics/programs/sustainability/>

This degree focuses on sustainability related to food systems, energy, natural resources, and biodiversity. Core requirements address major themes of sustainability, including societal, economic, and environmental concerns.

NHTI	KSC
	Major Requirements
	Select one of the following:
ARET 160C Into to Geographic Information Sys	ISGEOG 100 Introduction to Geography
AGRI 110C Sustainable Agriculture I	IENST 110 Food, Health, and the Environment
ENVS 101C Fundamentals of Environmental Sci	IENST 150 Global Environmental Change
	IENST 151 Environment of Central New England
SOCI 180C Environment and Society	ENST 250 Principles of Sustainability
BIOL 212C Ecology	INGEOS 201 The Physical Earth or ENST 252 Ecology of a Changing Planet
	ISGEOG 203 Globalization, Culture and Place or ENST 253 Environmental Governance
	ISECON 372 Ecological Economics or ENST 393 Sustainability for Organizations
	Select at least one of the following:
	ENST 301 Environmental Research Methods
	ARCH 260 Sustainable Design and Building Science
	GEOG 324 GIS Analysis
	GEOG 325 GIS Mapping and Visualization
	MGT 215 Accounting for Sustainable Business
	SPDI 304 Materials: A Life-Cycle View
	IIPHYS 342 Data Analysis for Scientists
	ISMGT 383 Applied Data Analysis and Visualization
	<i>Choose One Group:</i>
	ENST 395 and ENST 495 or GEOG 395 and GEOG 495
	Select one of the following: (not already used to meet another requirement)
	ARCH 260 Sustainable Design and Building Science
	IJRN 268 Environmental Issues and the Media
	INGEOS 300 Geoscience Issues and Society
	IIGEOG 302 Apocalypse Science and Society
	SPDI 304 Materials: A Life-Cycle View
	INGEOS 320 Earth's Climate: Past and Future
	IISPD 360 Sustainable by Design
	ARCH 360 Solar Design and Building Science II
	HIST 360 Natives and Newcomers in North America

	ISECON 372 Ecological Economics
	INENST 381 Farming With Nature in Mind
	ISENST 382 Environmental Advocacy
	INENST 383 Rethinking Energy
	SOC 380 Environmental Sociology

**ARTICULATION AGREEMENT BETWEEN
KEENE STATE COLLEGE AND NHTI, CONCORD'S COMMUNITY COLLEGE**

In the spirit of providing New Hampshire students with enhanced freedom of choice and access among Community College System of New Hampshire system partners, Keene State College (KSC) and NHTI, Concord's Community College enter into an Articulation Agreement for the delivery of academic programs and or curricula as identified in this document and in its appendices.

Students completing a minimum of 60 credits (credit bearing courses applied to community college requirements) at NHTI will be admitted to Keene State College with junior status. Courses at NHTI that are not equivalent to Keene State College major or Integrative Studies Program requirements but are credit bearing courses applied to community college requirements will be applied as general elective credits toward the baccalaureate degree. Students completing a minimum of 60 credits at NHTI, in most cases, will have the opportunity to complete their baccalaureate degree in two years.

Purpose

This agreement will contribute to the seamless access to baccalaureate level study for NHTI, Concord's Community College students who complete Associate degrees in:

- AS Mathematics
- AS Industrial Design Technology
- AS Manufacturing Engineering Technology
- AS Mechanical Engineering Technology

The purpose of this Articulation Agreement is to provide the framework which specifies how individuals who complete:

- An Associate Degree of Science in Mathematics at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Arts in Mathematics Education for Elementary Teachers at Keene
- An Associate Degree of Science in Mathematics at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Arts in Mathematics, Mathematics Option at Keene State College.
- An Associate Degree of Science in Mathematics at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Sciences in Mathematics at Keene State College.
- An Associate Degree of Science in Mathematics at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Sciences in Math-Physics at Keene State College.
- An Associate Degree of Science in Industrial Design Technology at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Science in Sustainable Product Design and Innovation at Keene State College.
- An Associate Degree of Science in Mechanical Engineering Technology at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Science in Sustainable Product Design and Innovation at Keene State College.
- An Associate Degree of Science in Manufacturing Engineering Technology at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Science in Sustainable Product Design and Innovation at Keene State College.

JOINT RESPONSIBILITIES

To the extent possible, NHTI, Concord's Community College and Keene State College will publicize this Agreement and collaborate in joint marketing efforts. NHTI, Concord's Community College and Keene State College will each review the status of the Agreement as appropriate and each party will notify the other of any opportunities or issues that need to be addressed.

COURSE AND/OR PROGRAM CHANGES

Any course or program changes at either NHTI, Concord's Community College or Keene State College that impact the existing articulation agreement must be communicated to the designated campus representative at each institution.

PERIODIC REVIEW

Articulation agreements will be reviewed every five years to determine if any changes in course content or outcomes have occurred that might impact the existing agreement.

ACADEMIC STANDARDS

Keene State College assures the acceptance of an Associate degree graduate who has earned a grade point average of a 2.0 or better. Courses are evaluated on an individual basis to determine the appropriate academic equivalents.

Grades earned at other institutions are not included in the computation of the student's grade point average at Keene State College. Students should refer to the Keene State College Transfer of Credit Policy (<http://www.keene.edu/aca/transfer.cfm>). Once admitted students are responsible for becoming aware of, and meeting, the standard established for academic performance at Keene State College. A cumulative grade point average (GPA) of 2.00 is required to be in good academic standing.

TERM AND TERMINATION

This agreement will become effective immediately after all parties have signed. It may be terminated by either party by giving notice in writing to the other party at least twelve (12) months prior to the date of termination.

Dispute Resolution

Notice of any and all complaints and/or grievances concerning this agreement shall be provided to the administrators assigned to this contract. Both partners will work collaboratively to solve any said disputes.

Assignments

This agreement may not be assigned or otherwise transferred by either party, in whole or in part, without the express prior written consent of the other party.

Applicability of State Law

This agreement shall be governed and interpreted under the laws of the State of New Hampshire.

Scope of the Agreement

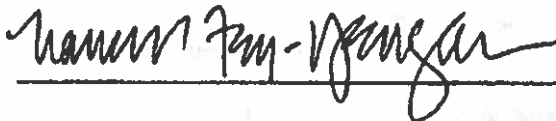
This agreement updates and amends portions of the entire agreement of the parties entered into in May of 2012. All additional substantial changes or major modifications to this agreement must also be agreed to in writing between the parties.

Use of This Agreement in Electronic Form

Both parties agree that they may (a) convert this agreement to electronic form, (b) retain it solely in such form, and (c) in the event of any dispute, provide it in such form or copy from such form. The parties further agree that the agreement in such form (or a copy) including the application of industry security standards for digital signatures, shall not be denied legal effect, validity, or enforceability due to its form and shall meet any requirements to provide an original.

Signature Section

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed by their respective signatory officials thereunto duly authorized as of the day and year above written.



Dr. Nancy Fey-Yensan
Provost, Keene State College

5-31-19

Date



Dr. Fiona McDonnell
Vice President of Academic Affairs
NHTI, Concord's Community College

8-2-19

Date

(Individual Agreements attached.)

Articulation Agreement
NHTI: AS Mathematics
KSC: BA in Mathematics Education for Elementary Teachers

NHTI: AS Mathematics	KSC: BA Mathematics Ed./Elementary Teachers
	Core Requirements
MATH 205 – Calculus I	MATH 151 – Calculus I
	MATH 171 – Structure of Number Systems
	MATH 175 – Data Analysis for Teachers
	MATH 218 – Computer Tools/Problem Solving
MATH 215 – Proof	MATH 220 – Math. Reasoning and Proof
	MATH 275 – Geometry for K-8 Teachers
	MATH 337 – Number Theory
	MATH 375 – Algebraic Concepts for K-8 Teachers
	MATH 475 – Capstone in Mathematics Education
	Select one course from:
MATH 206 – Calculus II	MATH 152 – Calculus II
	Elective MATH or IIMATH at 200+ level
	Elementary Education Option
	<u>EDUC 121</u> Issues in Elementary Education
	<u>EDSP 202</u> Development, Exceptionality, and Learning
	<u>EDUC 205</u> Literacy in Diverse Classrooms
	<u>EDUC 321</u> Elementary Methods I: Integrating Literacy, Social Studies and the Arts (8 credits)
	<u>EDUC 322</u> Elementary Methods II: Integrating Math, Science and Literacy (8 credits)
	<u>EDUC 400</u> Student Teaching (12 credits)
	<u>EDUC 420</u> ELED Student Teaching Seminar (2 credits)
	One “understanding equity” course:
	II 330 Toward a Just and Equitable World (or)
	IIEDUC 306 Women and Education
NHTI General Education (Credits)	ISP Courses (40 Credits)
ENGL 101C – English Composition (4)	ITW – Thinking and Writing
Satisfied if taken MATH 205 or MATH 251 (4)	IQL – Quantitative Literacy Competency
General Education Elective (3-4)	IA – Fine and Performing Arts
ENGL 125C – Communication and Lit, Sci/Tech (3)	IH – Humanities
Humanities/Fine Arts/ Foreign Lang Elective (3)	IH or IA (one additional)
CPET 107 – Intro to Prog. w/ C++ (3)	IS – Social Science
PHYS 231 – Physics I – Calculus Based (4)	IN – Natural Science
Social Science Elective (3)	IS or IN (one additional)
INDL 101C – STEM in the First Year Experience (3)	II – Integrative Interdisciplinary
Lab Science Elective (4)	IA, IH, IS, IN, or II (one additional)
	<i>Additional Courses to Equal 40 ISP Category Credits, 8 credits at 300-level or higher</i>

Articulation Agreement
NHTI: AS Mathematics
KSC: BA Mathematics – Mathematics Option

NHTI: AS Mathematics	KSC: BA Mathematics – Mathematics Option
	Core Requirements
MATH 251 – Statistics	MATH 141 – Introductory Statistics
MATH 205 – Calculus I	MATH 151 – Calculus I
MATH 206 – Calculus II	MATH 152 – Calculus II
MATH 215 – Proof	MATH 220 – Mathematical Reason/Proof
MATH 220 – Elementary Linear Algebra	MATH 231 – Linear Algebra
MATH 271 – Prob/Statistics for Engineers/Scien.	MATH 241 – Probability and Statistics I
	MATH 330 – Abstract Algebra
	MATH 350 – Real Analysis
	Math 400 – Capstone in Mathematics
	Applied Course Area: Select one
	MATH 242 – Applied Statistics
MATH 208 – Multivariable Calculus	MATH 251 – Vector Calculus
	MATH 341 – Probability and Statistics II
MATH 210 – Differential Equations	MATH 361 – Differential Equations
	MATH 362 – Math Modeling and Computing
	Pure Course Area: Select one
<i>(MATH 208 & 210 satisfy this course area if not Education Option)</i>	MATH 320 – Geometry
	MATH 337 – Number Theory
	MATH 490 – Topics in Pure Numbers
	Allied Discipline Courses
CPET 107 – Intro to Prog. w/ C++	ISCS 140 – Programming Foundations I
PHYS 231 – Physics I – Calculus Based	INPHYS 241 – University Physics I
NHTI General Education (Credits)	ISP Courses (40 Credits)
ENGL 101C – English Composition (4)	ITW – Thinking and Writing
Satisfied if taken MATH 205 or MATH 251 (4)	IQL – Quantitative Literacy Competency
General Education Elective (3-4)	IA – Fine and Performing Arts
ENGL 125C – Communication and Lit, Sci/Tech (3)	IH – Humanities
Humanities/Fine Arts/ Foreign Lang Elective (3)	IH or IA (one additional)
CPET 107 – Intro to Prog. w/ C++ (3)	IS – Social Science
PHYS 231 – Physics I – Calculus Based (4)	IN – Natural Science
Social Science Elective (3)	IS or IN (one additional)
INDL 101C – STEM in the First Year Experience (3)	II – Integrative Interdisciplinary
Lab Science Elective (4)	IA, IH, IS, IN, or II (one additional)
	<i>Additional Courses to Equal 40 ISP Category Credits, 8 credits at 300-level or higher</i>

Articulation Agreement
NHTI: AS Mathematics
KSC: BS Mathematics

NHTI: AS Mathematics	KSC: BS Mathematics
	Core Requirements
MATH 205 – Calculus I	MATH 151 – Calculus I
MATH 206 – Calculus II	MATH 152 – Calculus II
	MATH 218 – Computer Tools for Problem Solving
MATH 215 – Proof	MATH 220 – Mathematical Reasoning/Proof
MATH 220 – Elementary Linear Algebra	MATH 231 – Linear Algebra
MATH 271 – Prob./Statistics for Eng./Scientists	MATH 241 – Probability and Statistics I
MATH 208 – Multivariate Calculus	MATH 251 – Vector Calculus
	MATH 330 – Abstract Algebra
	MATH 350 – Real Analysis
MAT 210 – Differential Equations	MATH 361 – Differential Equations
	MATH 400 – Capstone in Mathematics
	Two additional courses at 300/400 level, not IIMATH 310 or 315 or MATH 375 or 475
	Allied Discipline Courses
CS 107 – Intro to Programming w/ C++	ISCS 140 Programming Foundations I
PHYS 231 – Physics I – Calculus Based	IIPHYS 241 University Physics I
	Related Minor
	20-28 Credits – (Approved by Math Department)
NHTI General Education (Credits)	ISP Courses (40 Credits)
ENGL 101C – English Composition (4)	ITW – Thinking and Writing
Satisfied if taken MATH 205 or MATH 251 (4)	IQL – Quantitative Literacy Competency
General Education Elective (3-4)	IA – Fine and Performing Arts
ENGL 125C – Communication and Lit, Sci/Tech (3)	IH – Humanities
Humanities/Fine Arts/ Foreign Lang Elective (3)	IH or IA (one additional)
CPET 107 – Intro to Prog. w/ C++ (3)	IS – Social Science
PHYS 231 – Physics I – Calculus Based (4)	IN – Natural Science
Social Science Elective (3)	IS or IN (one additional)
INDL 101C – STEM in the First Year Experience (3)	II – Integrative Interdisciplinary
Lab Science Elective (4)	IA, IH, IS, IN, or II (one additional)
	<i>Additional Courses to Equal 40 ISP Category Credits, 8 credits at 300-level or higher</i>

Student Transfer Guide DRAFT

reference <https://www.nhti.edu/academics/transfer/transfer-credit-requirements-for-degree>
 accessed 3-17-19

NHTI Mechanical Engineering Technology Associate Degree					Keene State College Sustainable Product Design and Innovation Bachelor of Science deg				
Course Number	Course Title	CL	LAB	CR	Course Number	Course Title	KSC CR	Trs CR	ISP* CR
FIRST YEAR									
Fall Semester									
MATH 124C	College Algebra	4	0	4	MATH	120 Algebra & Trig or higher math course	4	0	IQE 4
ENGL 101C	English Composition	4	0	4	ITW	101 Integrated Thinking and Writing	4	4	0
MEET 105C	Engineering Design*	4	0	4	SPDI	221 3D CAD (note: with passing CSWA)	4	4	0
PHYS 133C	Physics I (Algebra-Based)	3	2	4	INPHYS	141 College Physics I	4	4	4
				Semester Total					16
Spring Semester									
ENGL 120C	Communications or				INCOMB		4	3	2
ENGL 125C	Communication and the Literature of Sci	3	0	3	Metals and Prototyping				
MEET 111C	Manufacturing and Materials Processing*	3	3	4	SPDI	180 with Completing Safety Competency Test	4	4	0
MATH 140C	Pre-Calculus	4	0	4	MATH	110 Pre-Calculus	4	4	0
PHYS 135C	Physics II (algebra-based)	3	2	4	PHYS	142 College Physics II	4	4	4
MEET 150C	Statics and Strength of Materials	3	2	4	SPDI	280 Elective	4	4	0
				Semester Total					16
SECOND YEAR									
Fall Semester									
CHEM 105C	Chemistry	3	2	4	INCHEM	100 Fundamentals of Chemistry	4	4	4
MATH 205C	Calculus I	4	0	4	MATH	151 Calculus I	4	4	0
MEET 202C	Measurement and Control	3	2	4	SPDI	280 SPDI Elective	4	4	0
MEET 250C	Dynamics and Mechanical Design	3	2	4	INPHYS	131 Fundamentals of Engineering	4	0	4
XXX 100C	Social Science Elective	3	0	3	IS	100-200 level IS if Social Sc	4	3	3
				Semester Total					19
Spring Semester									
MEET 205C	Materials Science	3	2	4	SPDI	290 SPDI Elective	4	4	0
MEET 230C	Thermodynamics and Heat Transfer	3	0	3	SPDI	280 SPDI Elective	4	3	0
MEET 260C	Mechanical Design II	3	2	4	SPDI	290 SPDI Elective	4	4	0
XX 100C	Humanities/Fine Arts/Foreign Language Elective	0	0	3	IA or IH	IA or IH at 100-200 level	3-4 credit	4	3
XX 100C	Technical Elective	4 to 0	0	3	IA, IH or SPDI depending on the topic 3-4 credits		4	3	0
				Semester Total					17
TOTAL CREDITS				71-73					71

* ISP is the Integrated Studies Program,
 * KSC student needs 40 ISP credits to
 67 + 4 general elective cr. = 71 transfer cr. A student would need to
 take 4 more ISP courses w/ 7 cr 100-400 level, 16 cr, to meet the ISP

Keene State College

SUSTAINABLE PRODUCT DESIGN AND INNOVATION (SPDI) Major Bachelor of Science Degree requirement (320 credits)

Year 3			
Fall	Cr	Upper Level	ISP*
MGT 101	Introduction to Management	4	0
SPDI 321	Adv 3D CAD	4	4
ISPD1 151	Product Design Principles	4	4
SPDI 110	Elect and Electronics	4	0
		Semester Total	16
Spring			
SPDI304	Materials A Life Cycle View	4	4
MGT 335	Accounting/Bus Business	4	0
IAART 103	3D Design	4	4
SAFE 315	Human Factors in Safety	4	0
		Semester Total	16
yearly upper level totals		8	
yearly ISP* totals		8	
total credits at KSC		64	
total credits NHTI + KSC		135	

Year 4			
Fall	Cr	Upper Level	ISP*
SPDI 400	Manuf. Enterprise	4	0
SPDI 351	Product Design III	4	4
ISP	100-400 level ¹ not repeating disciplines of NHTI or KSC	4	4 4
SPDI 450	Design 4 Mfg. & Assm	4	4
		Semester Total	16
Spring			
MGT 405 or 3 Comp Mgt, MGT or Market'ng	4	4	0
SPDI 352	Product Design III	4	4
ISP	100-400 level ¹	4	4 4
SPDI 330	Metrolgy & CMM (recommended)	2	2
SPDI 456	SPDI Portfolio (recommended)	2	2
		Semester Total	16
yearly upper level totals		32	
yearly ISP* totals		8	
total ISP credits at KSC with 8 credits at upper level		16	
total upper levels at KSC		40	

¹ at least two of the ISP courses (8 cred-15) need to be at the 100-400 level

Student Transfer Guide DRAFT

reference <http://www.nhti.edu/academic/academic-transfer/degree-requirements/technology-program/transfer-guidance-program/technology-transfer>
 revised 2-13-18

NHTI Manufacturing Engineering Technology Associates Degree				Keene State College Sustainable Product Design and Innovation Bachelor of Science deg				
Course Number	Course Title	Cr	LAB/CR	Course Number	Course Title	KSC Cr	Trs Cr	ISP* Cr
FIRST YEAR								
Fall Semester								
MATH 124C	College Algebra	4	0 4	MATH	120 Algebra & Trig or Higher math course	4	4	10L 4
ENGL 101C	English Composition	4	0 4	ITW	101 Integrated Thinking and Writing	4	4	6
# MFET 105C	Engineering Design*	4	0 4	SPDI	283 3D CAD (note: with passing CSWA)	4	4	
PHYS 133C	Physics I (Algebra-Based)	3	2 4	INPHYS	141 College Physics I	4	4	4
Semester Total								
Spring Semester								
ENGL 120C	Communications or							
ENGL 125C	Communications and the Literature of Sci	3	0 3	INCOMM		4	3	3
# MFET 111C	Manufacturing and Materials Processing*	3	3 4	SPDI	180 with Completing Safety Competency Tests	4	4	
MATH 140C	Pre-Calculus	4	0 4	MATH	180 Pre-Calculus	4	4	
PHYS 135C	Physics II (algebra-based)	3	2 4	PHYS	142 College Physics II	4	4	
XXXX xxxC	Social Science Elective	1	0 3	PS	100-200 level IS (if Social Sc	4	3	3
Semester Total								
SECOND YEAR								
Fall Semester								
CHEM 105C	Chemistry	3	2 4	INCHEM	103 Fundamentals of Chemistry	4	4	4
MATH 251C	Statistics	4	0 4	MGT	140 Quantitative Decision Making	4	4	
# MFET 202C	Measurement and Control	3	2 4	SPDI	290 SPDI Elective	4	4	
# MFET 210C	Lean Manufacturing	3	0 3	SPDI	290 SPDI Elective	4	3	
# MFET 220C	Manufacturing Processes & Machine Tools	3	3 4	SPDI	290 SPDI Elective	4	4	
Semester Total								
Spring Semester								
# MFET 205C	Materials Science	3	2 4	SPDI	290 SPDI Elective	4	4	
# MFET 241C	Computer Integrated Manufacturing (CIM)	3	3 4	SPDI	290 SPDI Elective	4	4	
# MFET 251C	Quality Control	3	2 4	SPDI	290 SPDI Elective	4	4	
XR xxxC	Humanities/Fine Arts/Foreign Language II 3 to 4	0	3 3	IA or II	IA or II at 100-200 level	3-4 cred	4	3
IX xxxC	Technical Elective	4	4 0 3	IA, III or SPDI depending on the topic 3-4 credits		4	3	
Semester Total								
TOTAL CREDITS		71	73	71			71	25

* ISP is the Integrated Studies Program, a KSC student needs 40 ISP credits to
 67 + 4 general elective cr. = 71 transfer cr. A student would need to take 4 more ISP courses w/ 3 at 100-200 level = 16 cr. to meet the ISP

Keene State College

SUSTAINABLE PRODUCT DESIGN AND INNOVATION (SPDI) Major Bachelor of Science Degree requirement (120 credits)

Year 3				Year 4			
Fall	Cr	Upper Level	ISP*	Fall	Cr	Upper Level	ISP*
MGT 301	Introduction to Management	4		SPDI 400	Manuf. Enterprise	4	0
SPDI 321	Adv. 3D CAD	4	4	SPDI 351	Product Design II	4	0
SPDI 151	Product Design Principles	4	4	ISP	300-400 level ^A not repeating disciplines at NHTI or KSC	4	4 4
SPDI 110	Elect and Electronics	4		SPDI 450	Design & Mfg. & Assem	4	0
Semester Total				Semester Total			
Spring				Spring			
SPDI 304	Materials A Life Cycle View	4	4	MGT 445 or 3	Comp Mng, MGT or Marketing	4	0
MGT 215	Accounting/Bus Business	4		SPDI 352	Product Design III	4	0
IAART 101	3D Design	4	4	ISP	300-400 level ^A	4	4 4
SAFE 215	Human Factors in Safety	4		SPDI 390	Manufacturing & CMMS (recommended)	2	2
Semester Total				Semester Total			
yearly upper level totals				yearly upper level totals			
yearly ISP* totals				yearly ISP* totals			
total credits at KSC		64		total ISP credits at KSC with 8 credits at upper level		16	
total credits NHTI + KSC		135		total upper levels at KSC		40	

^A at least two of the ISP courses (8 credits) need to be at the 300-400 level

Two Articulation Agreements are in force for Keene State College and New Hampshire Technical Institute (NHTI).

The First Agreement, signed in 2012, provided a pathway for admission to Keene State for NHTI students graduating in programs in Visual Arts, Computer Engineering Technology, Information Technology, Early Childhood Education, Education, Business Administration, Addiction Counseling, Manufacturing Engineering Technology, and Mechanical Engineering Technology.

The Second Agreement, signed in 2019, provided a pathway for admission to Keene State for NHTI students graduating with programs in Mathematics, Industrial Design Technology, Manufacturing Engineering Technology, and Mechanical Engineering Technology. The second agreement supersedes the first agreement for the programs in Manufacturing Engineering Technology and Mechanical Engineering Technology.

Both agreements are included within this document; the most recent followed by the original.

**ARTICULATION AGREEMENT BETWEEN
KEENE STATE COLLEGE AND NHTI, CONCORD'S COMMUNITY COLLEGE**

In the spirit of providing New Hampshire students with enhanced freedom of choice and access among Community College System of New Hampshire system partners, Keene State College (KSC) and NHTI, Concord's Community College enter into an Articulation Agreement for the delivery of academic programs and or curricula as identified in this document and in its appendices.

Students completing a minimum of 60 credits (credit bearing courses applied to community college requirements) at NHTI will be admitted to Keene State College with junior status. Courses at NHTI that are not equivalent to Keene State College major or Integrative Studies Program requirements but are credit bearing courses applied to community college requirements will be applied as general elective credits toward the baccalaureate degree. Students completing a minimum of 60 credits at NHTI, in most cases, will have the opportunity to complete their baccalaureate degree in two years.

Purpose

This agreement will contribute to the seamless access to baccalaureate level study for NHTI, Concord's Community College students who complete Associate degrees in:

- AS Mathematics
- AS Industrial Design Technology
- AS Manufacturing Engineering Technology
- AS Mechanical Engineering Technology

The purpose of this Articulation Agreement is to provide the framework which specifies how individuals who complete:

- An Associate Degree of Science in Mathematics at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Arts in Mathematics Education for Elementary Teachers at Keene
- An Associate Degree of Science in Mathematics at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Arts in Mathematics, Mathematics Option at Keene State College.
- An Associate Degree of Science in Mathematics at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Sciences in Mathematics at Keene State College.
- An Associate Degree of Science in Mathematics at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Sciences in Math-Physics at Keene State College.
- An Associate Degree of Science in Industrial Design Technology at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Science in Sustainable Product Design and Innovation at Keene State College.
- An Associate Degree of Science in Mechanical Engineering Technology at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Science in Sustainable Product Design and Innovation at Keene State College.
- An Associate Degree of Science in Manufacturing Engineering Technology at NHTI, Concord's Community College may transfer credits into a Baccalaureate Degree in Science in Sustainable Product Design and Innovation at Keene State College.

JOINT RESPONSIBILITIES

To the extent possible, NHTI, Concord's Community College and Keene State College will publicize this Agreement and collaborate in joint marketing efforts. NHTI, Concord's Community College and Keene State College will each review the status of the Agreement as appropriate and each party will notify the other of any opportunities or issues that need to be addressed.

COURSE AND/OR PROGRAM CHANGES

Any course or program changes at either NHTI, Concord's Community College or Keene State College that impact the existing articulation agreement must be communicated to the designated campus representative at each institution.

PERIODIC REVIEW

Articulation agreements will be reviewed every five years to determine if any changes in course content or outcomes have occurred that might impact the existing agreement.

ACADEMIC STANDARDS

Keene State College assures the acceptance of an Associate degree graduate who has earned a grade point average of a 2.0 or better. Courses are evaluated on an individual basis to determine the appropriate academic equivalents.

Grades earned at other institutions are not included in the computation of the student's grade point average at Keene State College. Students should refer to the Keene State College Transfer of Credit Policy (<http://www.keene.edu/aca/transfer.cfm>). Once admitted students are responsible for becoming aware of, and meeting, the standard established for academic performance at Keene State College. A cumulative grade point average (GPA) of 2.00 is required to be in good academic standing.

TERM AND TERMINATION

This agreement will become effective immediately after all parties have signed. It may be terminated by either party by giving notice in writing to the other party at least twelve (12) months prior to the date of termination.

Dispute Resolution

Notice of any and all complaints and/or grievances concerning this agreement shall be provided to the administrators assigned to this contract. Both partners will work collaboratively to solve any said disputes.

Assignments

This agreement may not be assigned or otherwise transferred by either party, in whole or in part, without the express prior written consent of the other party.

Applicability of State Law

This agreement shall be governed and interpreted under the laws of the State of New Hampshire.

Scope of the Agreement

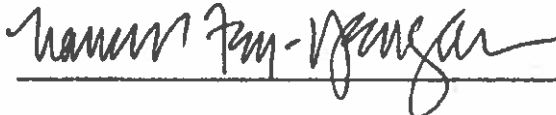
This agreement updates and amends portions of the entire agreement of the parties entered into in May of 2012. All additional substantial changes or major modifications to this agreement must also be agreed to in writing between the parties.

Use of This Agreement in Electronic Form

Both parties agree that they may (a) convert this agreement to electronic form, (b) retain it solely in such form, and (c) in the event of any dispute, provide it in such form or copy from such form. The parties further agree that the agreement in such form (or a copy) including the application of industry security standards for digital signatures, shall not be denied legal effect, validity, or enforceability due to its form and shall meet any requirements to provide an original.

Signature Section

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed by their respective signatory officials thereunto duly authorized as of the day and year above written.



Dr. Nancy Fey-Yensan
Provost, Keene State College

5-31-19

Date



Dr. Fiona McDonnell
Vice President of Academic Affairs
NHTI, Concord's Community College

8-2-19

Date

(Individual Agreements attached.)

Articulation Agreement

NHTI: AS Mathematics

KSC: BA in Mathematics Education for Elementary Teachers

NHTI: AS Mathematics	KSC: BA Mathematics Ed./Elementary Teachers
	Core Requirements
MATH 205 – Calculus I	MATH 151 – Calculus I
	MATH 171 – Structure of Number Systems
	MATH 175 – Data Analysis for Teachers
	MATH 218 – Computer Tools/Problem Solving
MATH 215 – Proof	MATH 220 – Math. Reasoning and Proof
	MATH 275 – Geometry for K-8 Teachers
	MATH 337 – Number Theory
	MATH 375 – Algebraic Concepts for K-8 Teachers
	MATH 475 – Capstone in Mathematics Education
	Select one course from:
MATH 206 – Calculus II	MATH 152 – Calculus II
	Elective MATH or IIMATH at 200+ level
	Elementary Education Option
	EDUC 121 Issues in Elementary Education
	EDSP 202 Development, Exceptionality, and Learning
	EDUC 205 Literacy in Diverse Classrooms
	EDUC 321 Elementary Methods I: Integrating Literacy, Social Studies and the Arts (8 credits)
	EDUC 322 Elementary Methods II: Integrating Math, Science and Literacy (8 credits)
	EDUC 400 Student Teaching (12 credits)
	EDUC 420 ELED Student Teaching Seminar (2 credits)
	One “understanding equity” course:
	II 330 Toward a Just and Equitable World (or)
	IIEDUC 306 Women and Education
NHTI General Education (Credits)	ISP Courses (40 Credits)
ENGL 101C – English Composition (4)	ITW – Thinking and Writing
Satisfied if taken MATH 205 or MATH 251 (4)	IQL – Quantitative Literacy Competency
General Education Elective (3-4)	IA – Fine and Performing Arts
ENGL 125C – Communication and Lit, Sci/Tech (3)	IH – Humanities
Humanities/Fine Arts/ Foreign Lang Elective (3)	IH or IA (one additional)
CPET 107 – Intro to Prog. w/ C++ (3)	IS – Social Science
PHYS 231 – Physics I – Calculus Based (4)	IN – Natural Science
Social Science Elective (3)	IS or IN (one additional)
INDL 101C – STEM In the First Year Experience (3)	II – Integrative Interdisciplinary
Lab Science Elective (4)	IA, IH, IS, IN, or II (one additional)
	<i>Additional Courses to Equal 40 ISP Category Credits, 8 credits at 300-level or higher</i>

Articulation Agreement
NHTI: AS Mathematics
KSC: BA Mathematics – Mathematics Option

NHTI: AS Mathematics	KSC: BA Mathematics – Mathematics Option
	Core Requirements
MATH 251 – Statistics	MATH 141 – Introductory Statistics
MATH 205 – Calculus I	MATH 151 – Calculus I
MATH 206 – Calculus II	MATH 152 – Calculus II
MATH 215 – Proof	MATH 220 – Mathematical Reason/Proof
MATH 220 – Elementary Linear Algebra	MATH 231 – Linear Algebra
MATH 271 – Prob/Statistics for Engineers/Scien.	MATH 241 – Probability and Statistics I
	MATH 330 – Abstract Algebra
	MATH 350 – Real Analysis
	Math 400 – Capstone in Mathematics
	Applied Course Area: Select one
	MATH 242 – Applied Statistics
MATH 208 – Multivariable Calculus	MATH 251 – Vector Calculus
	MATH 341 – Probability and Statistics II
MATH 210 – Differential Equations	MATH 361 – Differential Equations
	MATH 362 – Math Modeling and Computing
	Pure Course Area: Select one
<i>(MATH 208 & 210 satisfy this course area if not Education Option)</i>	MATH 320 – Geometry
	MATH 337 – Number Theory
	MATH 490 – Topics in Pure Numbers
	Allied Discipline Courses
CPET 107 – Intro to Prog. w/ C++	ISCS 140 – Programming Foundations I
PHYS 231 – Physics I – Calculus Based	INPHYS 241 – University Physics I
NHTI General Education (Credits)	ISP Courses (40 Credits)
ENGL 101C – English Composition (4)	ITW – Thinking and Writing
Satisfied if taken MATH 205 or MATH 251 (4)	IQL – Quantitative Literacy Competency
General Education Elective (3-4)	IA – Fine and Performing Arts
ENGL 125C – Communication and Lit, Sci/Tech (3)	IH – Humanities
Humanities/Fine Arts/ Foreign Lang Elective (3)	IH or IA (one additional)
CPET 107 – Intro to Prog. w/ C++ (3)	IS – Social Science
PHYS 231 – Physics I – Calculus Based (4)	IN – Natural Science
Social Science Elective (3)	IS or IN (one additional)
INDL 101C – STEM In the First Year Experience (3)	II – Integrative Interdisciplinary
Lab Science Elective (4)	IA, IH, IS, IN, or II (one additional)
	<i>Additional Courses to Equal 40 ISP Category Credits, 8 credits at 300-level or higher</i>

Articulation Agreement
NHTI: AS Mathematics
KSC: BS Mathematics

NHTI: AS Mathematics	KSC: BS Mathematics
	Core Requirements
MATH 205 – Calculus I	MATH 151 – Calculus I
MATH 206 – Calculus II	MATH 152 – Calculus II
	MATH 218 – Computer Tools for Problem Solving
MATH 215 – Proof	MATH 220 – Mathematical Reasoning/Proof
MATH 220 – Elementary Linear Algebra	MATH 231 – Linear Algebra
MATH 271 – Prob./Statistics for Eng./Scientists	MATH 241 – Probability and Statistics I
MATH 208 – Multivariate Calculus	MATH 251 – Vector Calculus
	MATH 330 – Abstract Algebra
	MATH 350 – Real Analysis
MAT 210 – Differential Equations	MATH 361 – Differential Equations
	MATH 400 – Capstone in Mathematics
	Two additional courses at 300/400 level, not IIMATH 310 or 315 or MATH 375 or 475
	Allied Discipline Courses
CS 107 – Intro to Programming w/ C++	ISCS 140 Programming Foundations I
PHYS 231 – Physics I – Calculus Based	IIPHYS 241 University Physics I
	Related Minor
	20-28 Credits – (Approved by Math Department)
NHTI General Education (Credits)	ISP Courses (40 Credits)
ENGL 101C – English Composition (4)	ITW – Thinking and Writing
Satisfied if taken MATH 205 or MATH 251 (4)	IQL – Quantitative Literacy Competency
General Education Elective (3-4)	IA – Fine and Performing Arts
ENGL 125C – Communication and Lit, Sci/Tech (3)	IH – Humanities
Humanities/Fine Arts/ Foreign Lang Elective (3)	IH or IA (one additional)
CPET 107 – Intro to Prog. w/ C++ (3)	IS – Social Science
PHYS 231 – Physics I – Calculus Based (4)	IN – Natural Science
Social Science Elective (3)	IS or IN (one additional)
INDL 101C – STEM in the First Year Experience (3)	II – Integrative Interdisciplinary
Lab Science Elective (4)	IA, IH, IS, IN, or II (one additional)
	<i>Additional Courses to Equal 40 ISP Category Credits, 8 credits at 300-level or higher</i>

Note: a number of the courses listed under the IDIS are not listed as requirements for the major

Industrial Design Technology Associates Degree			
Course Number	Course Title	CR	LAB CR
FIRST YEAR			
Fall Semester			
AAET 201C	Architectural Graphics and Sketching	3	2 3
ENGL 101C	English Composition	4	0 4
MAET 105C	Engineering Design*	4	0 4
VNDS 101C	Introduction to Drawing	3	4 4
Semester Total		15	
Spring Semester			
MATH 120C	College Algebra or higher level math course	4	0 4
MAET 106C	Advanced CAD Modeling (SolidWorks)	3	2 3
VNDS 102C	Two-Dimensional Design (Strongly recommended)	3	3 3
VNDS 104C	Three-Dimensional Design	3	1 3
XXXX 100C	General Elective	3	2 4
Semester Total		17	
SECOND YEAR			
Fall Semester			
INOS 110C	History of Industrial Design or Survey of Western Art History or		
VNDS 111C	Survey of Western Art History or		
VNDS 115C	History of Modern Art	3	0 3
INOS 150C	Industrial Design Studio 1	3	3 4
INOS 212C	Business of Design	3	0 3
MAET 111C	Manufacturing and Materials Processing*	3	3 4
VNDS 103C	Introduction to Photoshop or		
VNDS 105C	Introduction to Illustrator CC	3	0 3
Semester Total		17	
Spring Semester			
ENGL 120C	Communications or		
ENGL 125C	Communication and the Literature of Science or		
INOS 250C	Industrial Design Studio 2	3	3 4
INOS 243C	Manufacturing Techniques	3	0 3
PSYC 105C	Introduction to Psychology or		
PSYC 209C	Educational Psychology or		
PSYC 215C	Social Psychology	3	0 3
Semester Total		15	
TOTAL CREDITS		62	

KS State College Sustainable Product Design and Innovation Bachelor of Science Degree			
Course Number	Course Title	CR	LAB CR
FIRST YEAR			
Fall Semester			
AI201	120 Architectural CAD I	4	3
AI202	121 Integrated Thinking and Writing	4	4
AI203	121 3D CAD (equiv. with passing CSWA)	4	1
AI204	120 Drawing I	4	4
Spring Semester			
MA101	120 Algebra & Trigonometry math course	4	4
SPD101	121 3D CAD (note with passing CSWA)	4	3 added to above
AI205	100 Foundations of Design (elective)	4	1
AI206	103 3D Design	4	3
AI207	100-200 level Natural science OR 1B II Social Sci	4	4
SECOND YEAR			
Fall Semester			
AI208	214 Modern Art	4	3
SPD102	121 Visual Communication for PD & Eng	4	4
MG101	101 Intro to Management	4	3
SPD103	100 (with Completing Safety Competency Tests)	4	4
Spring Semester			
AI209	General Elective	4	3
MG102	101 Design Principles	4	3
SPD104	120 Introduction to Wood Tech	4	3
SPD105	with Completing Safety Competency Tests		
SP106	General Elective	4	3
* ISP is the Integrated Studies Program		32	
37 = 5 general elective cr. = 62 transfer cr. A student would need to take 3 more 300-level courses w/ 2 at 300-400 level = 32 cr. to meet the SP req. (60 credits)			

**KS State College
 SUSTAINABLE PRODUCT DESIGN AND INNOVATION (SPDI) Major Bachelor of Science Degree requirement (129 credits)**

Year 3			
Fall	CR	Upper level	
SPDI 311	Product Design I	4	4
SPDI 321	Adv. 3D CAD	4	0
MG1 140	Quant Decision making	4	
ISP (N/A)	Recommend: INPHYS 111 (Eng Fund)**	4	
Semester Total		16	
Spring			
SPDI 304	Materials & Life Cycle Mgmt	4	4
SPDI 110	Elect and Electronics	4	
SPDI 180	CAD/CAM/CNC	4	4
SAF 215	Human Factors in Safety	4	
Semester Total		16	
yearly upper level totals		32	
total credits at KSC		64	
total credits KMI + KSC		126	
or 122 credits if not SPDI 330 & SPDI 456			

Year 4			
Fall	CR	Upper level	
SPDI 400	Manufact. Enterprise	4	4
SPDI 410	Design & Mfg. & Assess	4	4
SP 415	300-400 level*	4	4
MG1 215	Accounting/Inst Business	4	
Semester Total		16	
Spring			
MG1 446 or 331	Comp. Mgt. Mkt or Marketing	4	4
SPDI 352	Product Design III	4	4
ISP (N/A)	300-400 level*	4	4
SPDI 330	Materialogy & CM M (recommended)	3	2
SPDI 456	SPDI Portfolio (recommended)	2	2
Semester Total		16	
yearly upper level totals		32	
total upper level cr at		64	
KSC		60	
or 40 without SPDI		330 & SPDI 456	
* at least two of the ISP courses need to be at the 300-400 level			

Student Transfer Guide DRAFT

reference <https://www.nht.edu/courses/degrees/undergraduate/degrees/technology-programs/mechanical-eng-css/na-1st-year-degree>
 accessed 3-17-19

NHTI Mechanical Engineering Technology Associates Degree				Keene State College Sustainable Product Design and Innovation Bachelor of Science deg					
Course Number	Course Title	CL	LAB	CR	Course Number	Course Title	KSC CR	Trn CR	ISP*
FIRST YEAR									
Fall Semester									
MATH 124C	College Algebra	4	0	4	MATH	120 Algebra & Trig or higher math course	4	4	ICL 4
ENGL 101C	English Composition	4	0	4	ITW	101 Integrated Thinking and Writing	4	4	4
MCET 105C	Engineering Design*	4	0	4	SPOI	221 3D CADD (note: with passing CSWA)	4	4	4
PHYS 133C	Physics I (Algebra-Based)	3	2	4	(N)PHYS	141 College Physics I	4	4	4
				Semester Total					
				16					
Spring Semester									
ENGL 120C	Communications or				INCOMM	Metals and Prototyping			
ENGL 125C	Communication and the Literature of Scier	3	0	3			180 with Completing Safety Competency Tests	4	4
MFET 111C	Manufacturing and Materials Processing*	3	3	4	SPOI	130 Pro-Calculus	4	4	
MATH 140C	Pre-Calculus	4	0	4	PHYS	142 College Physics II	4	4	
PHYS 135C	Physics II (algebra-based)	3	2	4	SPOI	280 Elective	4	4	
MCET 150C	Statics and Strength of Materials	3	2	4					
				Semester Total					
				19					
SECOND YEAR									
Fall Semester									
CHEM 105C	Chemistry	3	2	4	INCHIM	109 Fundamentals of Chemistry	4	4	4
MATH 205C	Calculus I	4	0	4	MATH	151 Calculus I	4	4	
MFET 202C	Measurement and Control	3	2	4	SPOI	290 SPOI Elective	4	4	
MCET 250C	Dynamics and Mechanical Design	3	2	4	(N)PHYS	131 Fundamentals of Engineering	4	4	4
XXX xxxC	Social Science Elective	3	0	3	IS	100-200 level IS if Social Sc	4	3	3
				Semester Total					
				19					
Spring Semester									
MCET 205C	Materials Science	3	2	4	SPOI	290 SPOI Elective	4	4	
MCET 229C	Thermodynamics and Heat Transfer	3	0	3	SPOI	290 SPOI Elective	4	2	
MCET 260C	Mechanical Design II	3	2	4	SPOI	290 SPOI Elective	4	4	
XX xxxC	Humanities/Fine Arts/Foreign Language (I, 2 to 4)	0	0	3	IA or IH	IA or IH at 100-200 level	3-4 credit	4	3
XX xxxC	Technical Elective	4 to 4	0	3	IA, IN or SPOI	depending on the topic 3-4 credits	4	2	
				Semester Total					
				17					
TOTAL CREDITS		71-73		71					

* ISP is the Integrated Studies Program,
 a KSC student needs 40 ISP credits to
 67 + 4 general elective cr. = 71 transfer cr. A student would need to
 take 4 more ISP courses w/ 2 at 300-400 level = 16 cr. to meet the ISP

Keene State College

SUSTAINABLE PRODUCT DESIGN AND INNOVATION (SPOI) Major Bachelor of Science Degree requirement (120 credits)

Year 3			
Fall	Cr	Upper Level	ISP*
MGT 101	Introduction to Management	4	
SPOI 221	Adv 3D CAD	4	4
ISPOI 151	Product Design Principles	4	4
SPOI 110	Elect and Electronics	4	
		Semester Total	16
Spring			
SPOI 304	Materials A Life Cycle View	4	4
MGT 235	Accounting/Bus Business	4	
JAARY 103	3D Design	4	4
SAFE 215	Human Factors in Safety	4	
		Semester Total	16
yearly upper level totals		8	
yearly ISP* totals		8	
total credits at KSC		64	
total credits NHTI + KSC		135	

Year 4			
Fall	Cr	Upper Level	ISP*
SPOI 400	Manuf. Enterprise	4	4
SPOI 251	Product Design II	4	4
300-400 level* not repeating disciplines at			
ISP	NHTI or KSC	4	4 4
SPOI 450	Design 4 Mfg. & Assem	4	4
		Semester Total	16
Spring			
MGT 465 or 3 Comp Mfg, MGT or Marketing		4	4
SPOI 252	Product Design III	4	4
ISP	300-400 level*	4	4 4
SPOI 330	Manufacturing & CMM (recommended)	2	2
SPOI 456	SPOI Portfolio (recommend)	2	2
		Semester Total	16
yearly upper level totals		32	
yearly ISP* totals		8	
total ISP credits at KSC with 8 credits at upper level		16	
total upper levels at KSC		40	

* at least two of the ISP courses (8 credits) need to be at the 300-400 level

Student Transfer Guide DRAFT

reference <http://www.nhti.edu/academic/programs-study/engineering-technology/program/manufacturing-engineering-technology-degree>
 accessed 2-13-19

NHTI Manufacturing Engineering Technology Associates Degree				Keene State College Sustainable Product Design and Innovation Bachelor of Science deg				
Course Number	Course Title	CL	LAB CR	Course Number	Course Title	KSC CR	Trs CR	ISP* CR
FIRST YEAR				FIRST YEAR				
Fall Semester				Fall Semester				
MATH 124C	College Algebra	4	0	MATH	120 Algebra & Trig or higher math course	4	4	ICL 4
ENGL 101C	English Composition	4	0	ITW	101 Integrated Thinking and Writing	4	4	6
MCET 105C	Engineering Design*	4	0	SPDI	231 3D CADD (note: with passing CSWA)	4	4	
PHYS 133C	Physics I (Algebra-Based)	3	2	INPHYS	141 College Physics I	4	4	4
Semester Total								
16								
Spring Semester				Spring Semester				
ENGL 120C	Communications or			INCOMM				
ENGL 125C	Communication and the Literature of Sci	3	0			4	3	3
MFET 111C	Manufacturing and Materials Processing*	3	3	Metals and Prototyping				
MATH 140C	Pre-Calculus	4	0	SPDI	180 with Completing Safety Competency Tests	4	4	
PHYS 135C	Physics II (Algebra-based)	3	2	MATH	130 Pre-Calculus	4	4	
XX xxxC	Social Science Elective	3	0	PHYS	142 College Physics II	4	4	
Semester Total				IS				
10				100-200 level, IS if Social Sc				
SECOND YEAR				SECOND YEAR				
Fall Semester				Fall Semester				
CHEM 105C	Chemistry	3	2	INCHEM	103 Fundamentals of Chemistry	4	4	4
MATH 251C	Statistics	4	0	MG	140 Quantitative Decision Making	4	4	
MFET 202C	Measurement and Control	3	2	SPDI	290 SPDI Elective	4	4	
MFET 210C	Lean Manufacturing	3	0	SPDI	290 SPDI Elective	4	3	
MFET 220C	Manufacturing Processes & Machine Tools	3	3	SPDI	290 SPDI Elective	4	4	
Semester Total								
15								
Spring Semester				Spring Semester				
MCET 205C	Materials Science	3	2	SPDI	290 SPDI Elective	4	4	
MFET 243C	Computer Integrated Manufacturing (CIM)	3	3	SPDI	290 SPDI Elective	4	4	
MFET 252C	Quality Control	3	2	SPDI	290 SPDI Elective	4	4	
XX xxxC	Humanities/Fine Arts/Foreign Language EI 3 to 4	0	3	IA or IH	IA or IH at 300-200 level	3-4 cred	4	3
XX xxxC	Technical Elective	4 to 4	0	3	IA, IN or SPDI depending on the topic 3-4 credits	4	3	
Semester Total								
10								
TOTAL CREDITS				TOTAL CREDITS				
71-73				71				
				29				

* ISP is the Integrated Studies Program,
 a KSC student needs 40 ISP credits to
 67 + 4 general elective cr. = 71 transfer cr. A student would need to
 take 4 more ISP* courses w/ 3 at 300-400 level= 16 cr to meet the ISP

Keene State College

SUSTAINABLE PRODUCT DESIGN AND INNOVATION (SPDI) Major Bachelor of Science Degree requirement (120 credits)

Year 3			
Fall	Cr	Upper Level	ISP*
MG 101	Introduction to Management	4	
SPDI 321	Adv. 3D CAD	4	4
ISPD 151	Product Design Principles	4	4
SPDI 110	Elect and Electronics	4	
Semester Total 16			
Spring			
SPDI 304	Materials A Life Cycle View	4	4
MG 215	Accounting/Small Business	4	
IAART 103	3D Design	4	4
SAFE 215	Human Factors in Safety	4	
Semester Total 16			
yearly upper level totals			8
yearly ISP* totals			8
total credits at KSC			64
total credits NHTI + KSC			135

Year 4			
Fall	Cr	Upper Level	ISP*
SPDI 400	Manuf. Enterprise	4	4
SPDI 353	Product Design II	4	4
300-400 level* not repeating disciplines at NHTI or KSC			
ISPD 450	Design & Mfg. & Assem	4	4
Semester Total 16			
Spring			
MG 446 or 3	Comp Mfg, MGT or Marketing	4	4
SPDI 352	Product Design III	4	4
ISPD	300-400 level*	4	4
SPDI 390	Metrology & CMM (recommended)	2	2
SPDI 456	SPDI Portfolio (recommend)	2	2
Semester Total 18			
yearly upper level totals			32
yearly ISP* totals			8
total ISP credits at KSC with 8 credits at upper level			16
total upper levels at KSC			40

* at least two of the ISP courses (8 credits) need to be at the 300-400 level

ARTICULATION AGREEMENT BETWEEN KEENE STATE COLLEGE AND NHTI, CONCORD'S COMMUNITY COLLEGE

In the spirit of providing New Hampshire students with enhanced freedom of choice and access among Community College System of New Hampshire system partners, Keene State College (KSC) and NHTI, Concord's Community College enter into an Articulation Agreement for the delivery of academic programs and or curricula as identified in this document and in its appendices.

Students completing a minimum of 60 credits (credit bearing courses applied to community college requirements) at NHTI will be admitted to Keene State College with junior status. Courses at NHTI that are not equivalent to Keene State College major or Integrative Studies Program requirements but are credit bearing courses applied to community college requirements will be applied as general elective credits toward the baccalaureate degree. Students completing a minimum of 60 credits at NHTI, in most cases, will have the opportunity to complete their baccalaureate degree in two years.

PURPOSE

The agreement will contribute to the seamless access to baccalaureate level study for NHTI, Concord's Community College students who complete Associate degrees in:

- AA Visual Arts
- AS Computer Engineering Technology
- AS Information Technology
- AS Early Childhood Education
- AS Education
- AS Business Administration
- AS Mechanical Engineering Technology
- AS Manufacturing Engineering Technology
- AS Addiction Counseling

The purpose of this Articulation Agreement is to provide the framework which specifies how individuals who complete:

- an Associate Degree of Arts in Visual Arts at NHTI, Concord's Community College may transfer credits into a Baccalaureate degree of Arts in Art: Studio Art Option at Keene State College (Appendix A)
- an Associate Degree of Science in Computer Engineering Technology at NHTI, Concord's Community College may transfer credits into a Baccalaureate degree of Science Applied Computer Science at Keene State College (Appendix B)
- an Associate Degree of Science in Information Technology at NHTI, Concord's Community College may transfer credits into a Baccalaureate degree of Science in Applied Computer Science at Keene State College (Appendix C)
- an Associate Degree of Science in Early Childhood Education at NHTI, Concord's Community College may transfer credits into a Baccalaureate degree of Science in Education: Early Childhood Development at Keene State College (Appendix E)
- an Associate degree of Science in Education at NHTI, Concord's Community College may transfer credits into a Baccalaureate degree of Science Education: Elementary Education at Keene State College (Appendix F)
- an Associate degree of Science in Business Administration: Management at NHTI, Concord's Community College may transfer credits into a Baccalaureate degree of Science in Management at Keene State College (Appendix H)
- an Associate degree of Science in Mechanical Engineering Technology at NHTI, Concord's Community College may transfer credits into a Baccalaureate degree of Science in Sustainable Product Design and Innovation t at Keene State College (Appendix I)
- an Associate degree of Science in Manufacturing Engineering Technology at NHTI, Concord's Community College may transfer credits into a Baccalaureate degree of Science in Sustainable Product Design and Innovation at Keene State College (Appendix J)
- An Associate degree of Science in Addiction Counseling at NHTI, Concord's Community College may transfer credits into a Baccalaureate degree of Science in Health Science: Substance Abuse/Addictions Option (Appendix K)

This agreement also specifies how general education courses taken at NHTI, Concord's Community College will be applied to Keene State College's Integrative Studies Program (Appendix L)

Finally this agreement identifies courses taken at NHTI, Concord's Community College that can be applied to various baccalaureate programs at Keene State College. These equivalencies create a pathway for students to transition from NHTI, Concord's Community College to Keene State College. (Appendix M)

JOINT RESPONSIBILITIES

To the extent possible, NHTI, Concord's Community College and Keene State College will publicize this Agreement and collaborate in joint marketing efforts. NHTI, Concord's Community College and Keene State College will each review the status of the Agreement as appropriate and each party will notify the other of any opportunities or issues that need to be addressed.

COURSE AND/OR PROGRAM CHANGES

Any course or program changes at either NHTI, Concord's Community College or Keene State College that impact the existing articulation agreement must be communicated to the designated campus representative at each institution.

PERIODIC REVIEW

Articulation agreements will be reviewed every five years to determine if any changes in course content or outcomes have occurred that might impact the existing agreement.

ACADEMIC STANDARDS

Keene State College assures the acceptance of an Associate degree graduate who has earned a grade point average of a 2.0 or better. Courses are evaluated on an individual basis to determine the appropriate academic equivalents.

Grades earned at other institutions are not included in the computation of the student's grade point average at Keene State College. Students should refer to the Keene State College Transfer of Credit Policy (<http://www.keene.edu/aca/transfer.cfm>). Once admitted students are responsible for becoming aware of, and meeting, the standard established for academic performance at Keene State College. A cumulative grade point average (GPA) of 2.00 is required to be in good academic standing.

TERM AND TERMINATION

This agreement will become effective immediately after all parties have signed. It may be terminated by either party by giving notice in writing to the other party at least twelve (12) months prior to the date of termination.

PROGRAM OVERSIGHT

Visual Arts

The NHTI, Concord's Community College Associate Degree in Visual Arts is administered by the chair of the department (Susan Haas) and supervised by the Vice President for Academic Affairs (Pamela Langley). The KSC Baccalaureate in Art: Studio Art Option is administered by the chair of the department (Robert Kostick) and supervised by the Dean of Arts and Humanities.

Computer Engineering Technology

The NHTI, Concord's Community College Associate Degree in Computer Engineering Technology is administered by the chair of the department (...) and supervised by the Vice President for Academic Affairs (Pamela Langley). The KSC Baccalaureate in Applied Computer Science is administered by the chair of the department (Mike Hanrahan) and supervised by the Dean of Sciences.

Information Technology

The NHTI, Concord's Community College Associate Degree in Information Technology is administered by the chair of the department (Tom Laurie) and supervised by the Vice President for Academic Affairs (Pamela Langley). The KSC Baccalaureate in Applied Computer Science is administered by the chair of the department (Mike Hanrahan) and supervised by the Dean of Sciences.

Business Administration

The NHTI, Concord's Community College Associate Degree in Business Administration is administered by the chair of the department (Martha Hunt) and supervised by the Vice President for Academic Affairs (Pamela Langley). The KSC Baccalaureate in Management is administered by the chair of the department (Linda Hadden) and supervised by the Dean of Sciences.

Mechanical Engineering Technology

The NHTI, Concord's Community College Associate Degree in Mechanical Engineering Technology is administered by the chair of the department (Robert Arredondo) and supervised by the Vice President for Academic Affairs (Pamela Langley). The KSC Baccalaureate in Sustainable Product Design and Innovation is administered by the chair of the department (Larry McDonald) and supervised by the Dean of Professional and Graduate Studies.

Manufacturing Engineering Technology

The NHTI, Concord's Community College Associate Degree in **Manufacturing Engineering Technology** is administered by the chair of the department (Robert Arredondo) and supervised by the Vice President for Academic Affairs (Pamela Langley). The KSC Baccalaureate in **Sustainable Product Design and Innovation** is administered by the chair of the department (Larry McDonald) and supervised by the Dean of Professional and Graduate Studies.

Early Childhood Education

The NHTI, Concord's Community College Associate Degree in **Early Childhood Education** is administered by the chair of the department (Gale Hall) and supervised by the Vice President for Academic Affairs (Pamela Langley). The KSC Baccalaureate in **Education: Early Childhood Development** is administered by the chair of the department (Shirley McLoughlin) and supervised by the Dean of Professional and Graduate Studies.

Education

The NHTI, Concord's Community College Associate Degree in **Education** is administered by the chair of the department (Kelly Moore Dunn) and supervised by the Vice President for Academic Affairs (Pamela Langley). The KSC Baccalaureate in **Education: Elementary Education** is administered by the chair of the department (Shirley McLoughlin) and supervised by the Dean of Professional and Graduate Studies.

Addiction Counseling

The NHTI, Concord's Community College Associate Degree in **Addiction Counseling** is administered by the chair of the department (Kathleen Curran) and supervised by the Vice President for Academic Affairs (Pamela Langley). The KSC Baccalaureate in **Health Sciences: Substance Abuse/Addictions Option** is administered by chair of the department (Rebecca Brown) and supervised by the Dean of Professional and Graduate Studies.

DISPUTE RESOLUTION

Notice of any and all complaints and/or grievances concerning this Agreement shall be provided to the administrators assigned to this contract. Both partners will work collaboratively to solve any said disputes.

ASSIGNMENTS

This Agreement may not be assigned or otherwise transferred by either party, in whole or in part, without the express prior written consent of the other party.

APPLICABILITY OF STATE LAW

This agreement shall be governed and interpreted under the laws of the State of New Hampshire.

APPENDIX A

AA Visual Arts to BA Art: Studio Art option

AA Visual Arts	http://www.nhti.edu/academics/academicprograms/degvisarts.html	BA Art: Studio Art option
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→To become a Keene State Art major (Graphic Design and Studio Art options), a portfolio of 10 to 20 pieces of artwork must be submitted and accepted. See further discussion in Keene State College Catalog website: <http://www.keene.edu/catalog/programs/art/default.cfm#b>

→Each student must demonstrate proficiency in a language other than English

NHTI	KSC
	Foundation Core
VRTS 102 Introduction to the Visual Arts	ART 101 Foundations of Design or IAART 100
112 Survey of Western Art History II	ART 111 Introduction to Art History or IAART 110
VRTS 101 Introduction to Drawing	ART 125 Drawing I or IAART 120
	Studio Design Art Option
	200-level courses
VRTS 135 Introduction to Ceramics	ART 208 Ceramics I
VRTS 201 Drawing II	ART 225 Drawing II
VRTS 120 Introduction to Oil Painting	ART 226 Painting I
	ART 244 Sculpture I
VRTS 290 Visual Arts Capstone Practicum	ART 295 Sophomore Studio/Exhibit Practice
	Select one of the following:
VRTS 111 Survey of Western Art History I	<ul style="list-style-type: none"> • ART 211 Ancient Art • ART 212 Medieval Art • ART 213 Renaissance Art
	<ul style="list-style-type: none"> • ART 214 Modern Art • ART 290 Topics in Art History • ART 492 Art History Seminar
	300-level courses
VRTS 126 Introduction to Printmaking	ART 333 Printmaking I
	Select one of the following:
VRTS 235 Ceramics II	<ul style="list-style-type: none"> • ART 308 Ceramics II • ART 325 Drawing III
	<ul style="list-style-type: none"> • ART 326 Painting II • ART 334 Printmaking II • ART 344 Sculpture II
VRTS 121 Introduction to Watercolor	
	400-level courses
	ART 495 Senior Studio/ Exhibit practice
	Select one of the following:
	<ul style="list-style-type: none"> • ART 408 Ceramics III • ART 426 Painting III • ART 434 Printmaking III • ART 444 Sculpture III • ART 490 Advanced Studio Topics

APPENDIX B

AS Computer Engineering Technology to BS Applied Computer Science

AS Computer Engineering Technology	http://www.nhti.edu/academics/academicprograms/degcpet.html	BS Applied Computer Science
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The Bachelor of Science in Applied Computer Science provides students with a thorough grounding in computer programming and information science and an introduction to the various branches of computer science. The primary focus is to prepare students to successfully operate as information science (IS) or information technology (IT) professionals, and/or pursue graduate studies in CS or a related field.

NHTI	KSC
AS Computer Engineering Technology	KSC Major Requirements
	Core Courses
	MATH 135 Mathematical Foundations for CS
CP 107 Introduction to Programming with C++	CS 140 Computer programming I
	Select one of the following:
	• CS 150 Web Page Construction
	• CS 160 Microcomputer Systems
CP 235 Algorithms with Object Oriented Programming	CS 185 Computer Programming II
	CS 280 Data Structures and Algorithms
	Architecture and Programming Electives
	Choose one of the following:
	• CS 210 Midrange Systems
	• CS 215 Unix System Admin
EL 144 Embedded Microsystems AND EL 215 Advanced Digital Electronics	• CS 265 Computer Architecture
	• CS 367 Command Language Programming
	Choose one of the following:
CP 240 Programming for Windows Operating Systems	• CS 205 User Interface and Visual Programming
	• CS 220 COBOL Programming
CP 107 Introduction to Programming Using C++	• CS 225 C++ Programming
	• CS 230 RPG Programming
	• CS 310 Assembly Language
	Advanced Electives
	Six upper-level courses (300/400 level) with a minimum of three being at 400 level. Current courses that satisfy this are:
CP 260 Computer Real Time Interfacing	This will count as a 300-level elective
	CS 310 Assembly Language
	CS 320 Operating Systems Design
CP 252 Networking and Internet Technologies	CS 340 Internet Programming
	CS 350 Systems Analysis and Project Management
CP 222 Data Communications and Internetworking	CS 355 Telecom and Computer Networks
	CS 360 Database Systems

	CS 367 Command Language Programming
	CS 375 Software Engineering
	CS 410 Advanced Software Development
	CS 420 E-Commerce Development
	CS 430 Study of Programming Languages
	CS 440 Software Engineering Project
	CS 460 Data Warehousing and Mining
	CS 462 DBS Project and Advanced SQL
	CS 485 Strategic Information Management
	CS 490 Advanced Special topics
	CS 495 Seminar
	CS 498 Independent Study
	Practical Experience
	Choose one:
	• CS 293 Supervised Field Experience
	• CS 493 Advanced Supervised Field Experience

APPENDIX C

AS Information Technology to BS Applied Computer Science

AS Information Technology	http://www.nhti.edu/academics/academicprograms/degit.html	BS Applied Computer Science
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The Bachelor of Science in Applied Computer Science provides students with a thorough grounding in computer programming and information science and an introduction to the various branches of computer science. The primary focus is to prepare students to successfully operate as information science (IS) or information technology (IT) professionals, and/or pursue graduate studies in CS or a related field.

→Transfer students entering with a completed AS in information Technology will NOT have to complete the requirements listed under "Architecture and Programming Electives"

NHTI	KSC
AS Information Technology	KSC Major Requirements
	Core Courses
	MATH 135 Mathematical Foundations for CS
IT 210 Object Oriented Programming in Java	CS 140 Computer programming I
	Select one of the following:
IT 270 Web Page Design and Development	• CS 150 Web Page Construction
IT 108 Personal Computer Hardware and Software	• CS 160 Microcomputer Systems
	CS 185 Computer Programming II
	CS 280 Data Structures and Algorithms
	Architecture and Programming Electives
	Choose one of the following:
	• CS 210 Midrange Systems
IT 183 Introduction to RedHat Linux AND IT 184 Linux Core Systems Administration	• CS 215 Unix System Admin

	<ul style="list-style-type: none"> • CS 265 Computer Architecture • CS 367 Command Language Programming
	Choose one of the following:
IT 213 Introduction to the Web	<ul style="list-style-type: none"> • CS 205 User Interface and Visual Programming • CS 220 COBOL Programming • CS 225 C++ Programming • CS 230 RPG Programming • CS 310 Assembly Language
	Advanced Electives
	Six upper-level courses (300/400 level) with a minimum of three being at 400 level. Current courses that satisfy this are:
	CS 310 Assembly Language
	CS 320 Operating Systems Design
	CS 340 Internet Programming
	CS 350 Systems Analysis and Project Management
	CS 355 Telecom and Computer Networks
IT 252 Designing and Supporting Computer Networks	
IT 140 Database Design and Management AND IT 240 Advanced Web Programming	CS 360 Database Systems
	CS 367 Command Language Programming
	CS 375 Software Engineering
	CS 410 Advanced Software Development
	CS 420 E-Commerce Development
	CS 430 Study of Programming Languages
	CS 440 Software Engineering Project
	CS 460 Data Warehousing and Mining
	CS 462 DBS Project and Advanced SQL
	CS 485 Strategic Information Management
IT 262 Network Security	CS 490 Advanced Special topics
	CS 495 Seminar
	CS 498 Independent Study
	Practical Experience
	Choose one:
IT 294 Senior IT Internship	<ul style="list-style-type: none"> • CS 293 Supervised Field Experience • CS 493 Advanced Supervised Field Experience

APPENDIX E

AS Early Childhood Education to BS Education: Early Childhood

AS Early Childhood Education	http://www.nhti.edu/academics/academicprograms/degece.html	BS Education: Early Childhood Development
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Early Childhood Dept Head: Gale Hall (603) 271-2305 ghall@ccsnh.edu

Students seeking certification in **Early Childhood Development** are required to complete a liberal arts major in one of the following areas:

- American Studies
- Applied Computer Science
- Art (portfolio requirement)
- Biology
- Chemistry
- Chemistry-Physics
- Communication
- Computer-Mathematics
- Economics
- English
- Environmental Studies
- Film Studies
- French
- General Science
- Geography
- Geology
- History
- Holocaust and Genocide Studies
- Individualized Major
- Journalism
- Mathematics
- Mathematics-Physics
- Music (audition required)
- Psychology
- Social Science
- Sociology
- Spanish
- Theatre and Dance

Early Childhood Development Option: 48 credits, plus liberal arts major

** To be accepted as transfer credit, EDUC 311 requires presentation of portfolio of all work for courses as shown

NHTI	KSC
EC 102 Foundations of Early Childhood Education	EDUC 100 Issues in Education
SO 214 Race and Ethnic Relations OR EC 242 Child, Family, and Community	EDUC 200 Social Contexts of Education
EC 270 Teaching Young Children with Special Needs AND EC 101 Growth & Development of the Young Child	EDSP 202 Development, Exceptionality, And Learning
MT 120 Topics in Applied College Mathematics	MATH 171 Structure of Number Systems
EC 155 Using Children's Literature to Support Young Children's Language and Literacy Development	A course in Children's Literature This course will count as an ISP credit (see table below)
EC 188 Health, Safety and Nutrition in Early Childhood Education EC 141 Curriculum and Environments I EC 142 Curriculum Environments II EC 267 Positive Behavior Guidance and Supporting Young Children with Challenging Behaviors EC 275 OR 276 Practicum I or II <i>Plus portfolio of work for all 6 classes</i>	EDUC 311 Early Childhood Methods I: Infant/Toddler/Preschool All entering students MUST have EC 155 on their transcript to enroll in Methods (see section above) We understand your desire for students to complete their program at NHTI. Should an unusual situation occur that a transfer student has not completed EC 276, but was able to present an appropriate portfolio and evidence of EC 275, we would be able to accept them
	EDUC 312 Early Childhood Methods II: Primary Grades (K-3)
	EDUC 400 Student Teaching
	EDUC 410 EC Student Teaching Seminar

APPENDIX F

AS Education to BS Education: Elementary

AS Education	http://www.nhti.edu/academics/academicprograms/degeducation.html	BS Education: Elementary
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Education Dept. Head: Kelly Moore Dunn (603) 271-8881 kdunn@ccsnh.edu

Education majors must also fulfill requirements of a liberal arts major. Students seeking certification in Elementary Education are required to complete a liberal arts major in one of the following areas:

- American Studies
- Applied Computer Science
- Art (portfolio requirement)
- Biology
- Chemistry
- Chemistry-Physics
- Communication
- Computer-Mathematics
- Economics
- English
- Environmental Studies
- Film Studies
- French
- General Science
- Geography
- Geology
- History
- Holocaust and Genocide Studies
- Individualized Major
- Journalism
- Mathematics
- Mathematics-Physics
- Music (audition required)
- Psychology
- Social Science
- Sociology
- Spanish
- Theatre and Dance

Elementary Education option: 48 credits, plus liberal arts major

NHTI	KSC
ED 104 Foundations of Education	EDUC 100 Issues in Education
SO 214 Race and Ethnic Relations	EDUC 200 Social Contexts of Education
ED 101 Introduction to Exceptionalities AND PY 220 Human Growth & Development	EDSP 202 Development, Exceptionality, and Learning
MT 120 Topics in Applied College Mathematics	MATH 171 Structure of Number Systems
	MATH 172 Application of Number Systems
	EDUC 321 Elementary Methods I: Integrating Literacy, Social Studies and the Arts
	EDUC 322 Elementary Methods II: Integrating Math, Science and Literacy
	EDSP 250 Context for Special Education
	EDSP 350 Curriculum Design for Students with Special Needs
	EDSP 352 Behavior and Social Supports
	EDSP 354 Assessment in Special Education
	EDSP 356 Practicum and Methods in Special Education
	EDUC 405 Student Teaching (Elementary)
	EDUC 420 Student Teaching Seminar
	EDSP 405 Student Teaching
	EDSP 450 SPED Student Teaching Seminar

APPENDIX G

AS Education to BS Education: Special Education Option - Elementary

AS Education	http://www.nhti.edu/academics/academicprograms/degeducation.html	<p>BS Education: Special Education Option – Elementary</p> <p><i>There are some courses in this area which may be transferable. This goes to course by course vs program to program</i></p>
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Education Dept. Head: Kelly Moore Dunn (603) 271-8881 kdunn@ccsnh.edu

Education majors must also fulfill requirements of a liberal arts major. Students seeking certification in Elementary Education are required to complete a liberal arts major in **one** of the following areas:

- American Studies
 - Applied Computer Science
 - Art (portfolio requirement)
 - Biology
 - Chemistry
 - Chemistry-Physics
 - Communication
 - Computer-Mathematics
 - Economics
 - English
- Environmental Studies
 - Film Studies
 - French
 - General Science
 - Geography
 - Geology
 - History
 - Holocaust and Genocide Studies
 - Individualized Major
 - Journalism
- Mathematics
 - Mathematics-Physics
 - Music (audition required)
 - Psychology
 - Social Science
 - Sociology
 - Spanish
 - Theatre and Dance

Elementary Education option: 48 credits, plus liberal arts major

NHTI	KSC
ED 104 Foundations of Education	EDUC 100 Issues in Education
SO 214 Race and Ethnic Relations	EDUC 200 Social Contexts of Education
ED 101 Introduction to Exceptionalities AND PY 220 Human Growth & Development	EDSP 202 Development, Exceptionality, and Learning
MT 120 Topics in Applied College Mathematics	MATH 171 Structure of Number Systems
	MATH 172 Application of Number Systems
	EDUC 321 Elementary Methods I: Integrating Literacy, Social Studies and the Arts
	EDUC 322 Elementary Methods II: Integrating Math, Science and Literacy
	EDSP 250 Context for Special Education
	EDSP 350 Curriculum Design for Students with Special Needs
	EDSP 352 Behavior and Social Supports
	EDSP 354 Assessment in Special Education
	EDSP 356 Practicum and Methods in Special Education

	EDUC 405 Student Teaching (Elementary)
	EDUC 420 Student Teaching Seminar
	EDSP 405 Student Teaching
	EDSP 450 SPED Student Teaching Seminar

APPENDIX H

AS Business Administration to BS Management

AS Business Administration	http://www.nhti.edu/academics/academicprograms/degbusadmin.html	BS Management
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This career-oriented program, emphasizing management skills and building on a solid foundation in the liberal arts and sciences, is designed to prepare individuals for management careers in industrial or public organizations and for graduate work.

NHTI	KSC
AS Business Administration	KSC Major Requirements
BU 270 Principles of Management	MGT 101 Introduction to Management
MT 125 Finite Mathematics	MGT 202 Quantitative Decision Making
AC 101 Accounting I AC 102 Accounting II	MGT 213 Financial Accounting
AC 250 Cost Accounting	MGT 214 Managerial Accounting
BU 245 Organizational Behavior	MGT 301 Organizational Theory and Behavior <i>**Credits will be applied to the degree, but in addition students must complete MGT 355 Business Negotiations OR MGT 324 Human Resource Management</i>
BU 250 Principles of Finance BU 278 International Business	MGT 319 Financial Management <i>**Credits will be applied to the degree, but in addition students must complete MGT 306 Personal Financial Planning</i>
BU 170 Principles of Marketing	MGT 331 Principles of Marketing <i>**Credits will be applied to the degree, but in addition students must complete MGT 434 Marketing Research OR MGT 333 Advertising & Promotion</i>
	MGT 381 Management Information Systems
	MGT 451 Social, Legal, and Political Environment of Business
	MGT 491 Business Policy and Strategy
	MGT electives (4 credits at 300 or 400 level)
	Allied Discipline Requirements
EN 120 Communications	IH COMM 171 Public Speaking
IT 102 PC Applications	CS 101 Introduction to Computer Information Processing
EO 102 Microeconomics	ECON 103 Introduction to Microeconomics
EO 101 Macroeconomics	ISECON 104 Introduction to Macroeconomics

APPENDIX I

AS Mechanical Engineering Technology to BS Sustainable Product Design and Innovation

AS Mechanical Engineering Technology	http://www.nhti.edu/academics/academic_programs/degeet.html	BS Sustainable Product Design and Innovation
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MFET/MET Dept Head: Robert Arredondo (603) 271-7741 rarredondo@ccsnh.edu

The Sustainable Product Design and Innovation major at Keene State College is a pre-professional four-year program offering a cross-disciplinary curriculum to give the student a solid foundation in the artistic, scientific, and technical aspects of product design and the social and scientific aspects of sustainability concerns. Graduates are prepared to pursue graduate study or transition directly into careers in product design/engineering, technology/evaluation, planning, supply, production, quality control, technical services, marketing, sales, or other related professions.

NHTI	KSC
	<i>SPDI Core Courses</i>
MF 202 Measurement and Control AND PH 135 Physics II: Light Sound, Electricity	SPDI 110 Electricity and Electronics Fundamentals
	SPDI 152 Product Design I
MF 220 Manufacturing Processes and Machine Tools	SPDI 180 Metal Processes and Prototyping
	SPDI 252 Product Design II
	SPDI 253 Materials: A Life-Cycle View
MC 103 Design Graphics III	SPDI 221 Three-dimensional CADD
MF 241 Computer Integrated Manufacturing (CIM)	SPDI 352 Product Design III
	<i>Management Core Courses</i>
BU 270 Principles of Management	MGT 101 Introduction to Management
MT 125 Finite Mathematics	MGT 202 Quantitative Decision-making
	MGT 331 Principles of Marketing---OR--- MMGT 446 Competitive Manufacturing Mngmnt
MC 101 Design Graphics I AND MC 102 Design Graphics II	Choose 4 credits from the following: SPDI 121 Drafting, Sketching, and CADD SPDI 170 Introductions to Woodworking Tech SPDI 270 Woodworking Processes SPDI 280 CAD/CAM: Using MasterCAM MGT 451 Social, Legal, and Political Environment of Business SPDI 290 Special Topics SPDI 298 Independent Study SPDI 490 Advanced Special Topics SPDI 495 Seminar SPDI 498 Independent Study
	<i>Required Allied Discipline Courses</i>
	**8 credits plus 4 credits Integrative Studies
VRTS 104 Three-dimensional Design (with portfolio review)	<ul style="list-style-type: none"> • IA Art 103 Three-dimensional Design • SAFE 204 Human Factors in Safety

MT 108 Introductory Technical Mathematics I MT 109 Introductory Technical Mathematics II	<ul style="list-style-type: none"> Select at least one of the following: MATH 120 Applied Algebra and Trig MATH 130 Pre-calculus MATH 151 Calculus
	<i>SPDI Capstone Course</i>
	SPDI 400 Manufacturing Enterprise

APPENDIX J

AS Manufacturing Engineering Technology to BS Sustainable Product Design and Innovation

AS Manufacturing Engineering Technology	http://www.nhti.edu/academics/academicprograms/degmfet.html	BS Sustainable Product Design and Innovation
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MFET/MET Dept Head: Robert Arredondo (603) 271-7741 rarredondo@ccsnh.edu

The Sustainable Product Design and Innovation major at Keene State College is a pre-professional four-year program offering a cross-disciplinary curriculum to give the student a solid foundation in the artistic, scientific, and technical aspects of product design and the social and scientific aspects of sustainability concerns. Graduates are prepared to pursue graduate study or transition directly into careers in product design/engineering, technology/evaluation, planning, supply, production, quality control, technical services, marketing, sales, or other related professions.

NHTI	KSC
	<i>SPDI Core Courses</i>
MF 202 Measurement and Control AND PH 135 Physics II: Light Sound, Electricity	SPDI 110 Electricity and Electronics Fundamentals
	SPDI 152 Product Design I
MF 220 Manufacturing Processes and Machine Tools	SPDI 180 Metal Processes and Prototyping
	SPDI 252 Product Design II
	SPDI 253 Materials: A Life-Cycle View
MC 103 Design Graphics III	SPDI 221 Three-dimensional CADD
MF 241 Computer Integrated Manufacturing (CIM)	SPDI 352 Product Design III
	<i>Management Core Courses</i>
BU 270 Principles of Management	MGT 101 Introduction to Management
MT 125 Finite Mathematics	MGT 202 Quantitative Decision-making
	MGT 331 Principles of Marketing---OR--- MMGT 446 Competitive Manufacturing Mngmnt
MC 101 Design Graphics I AND MC 102 Design Graphics II	Choose 4 credits from the following: SPDI 121 Drafting, Sketching, and CADD SPDI 170 Introductions to Woodworking Tech SPDI 270 Woodworking Processes SPDI 280 CAD/CAM: Using MasterCAM MGT 451 Social, Legal, and Political Environment of Business SPDI 290 Special Topics
	SPDI 298 Independent Study

	SPDI 490 Advanced Special Topics SPDI 495 Seminar SPDI 498 Independent Study
	<i>Required Allied Discipline Courses</i>
	**8 credits plus 4 credits Integrative Studies
VRTS 104 Three-dimensional Design (with portfolio review)	<ul style="list-style-type: none"> IA Art 103 Three-dimensional Design
	<ul style="list-style-type: none"> SAFE 204 Human Factors in Safety
MT 108 Introductory Technical Mathematics I MT 109 Introductory Technical Mathematics II	<ul style="list-style-type: none"> Select at least one of the following: MATH 120 Applied Algebra and Trig MATH 130 Pre-calculus MATH 151 Calculus
	<i>SPDI Capstone Course</i>
	SPDI 400 Manufacturing Enterprise

APPENDIX K

AS Addiction Counseling to BS Health Science: Substance Abuse/Addictions

AS Addiction Counseling	http://www.nhti.edu/academics/academicprograms/degaddcouns.html	BS Health Science: Substance Abuse/Addictions Option
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The Substance Abuse/Addictions option at Keene State College is an academic program with practical training in preparation for further studies in the field or entry-level employment in Substance Abuse/Addictions. The program provides students with a theoretical understanding of substance abuse and addictions and an introduction to counseling, treatment, and related practices.

Depending on the criteria of each state, the work in this Substance Abuse/Addictions program may be applied toward becoming a licensed or certified alcohol and drug abuse counselor or prevention specialist.

By the fall 2012 semester, INHLSC 175 will replace all the following courses:

- HLSC 115 Nutrition and Well-Being
- HLSC 125 Nutrition and the Profession
- HLSC 214 Nutrition Fundamentals

NHTI	KSC
	KSC Major Requirements
	Core Courses
HS 150 Introduction to Personal Wellness	HLSC 101 Health and Wellness
	HLSC 285 Health in Society
AD 120 Survey of Addictive Behaviors and Treatment	HLSC 380 Addiction: Theory, Research, and Practice
	HLSC 385 Behavior Change Facilitation
	HLSC 485 Health Promotion Practice
	Select one of the following:
	<ul style="list-style-type: none"> • HLSC 494 Health Science Capstone • HLSC 495 Seminar: Health Science Research
	Substance Abuse/Addictions Option
	Depending on the criteria of each state, the work in this Substance Abuse/Addictions program may be

	<p>applied toward becoming a licensed or certified alcohol and drug abuse counselor or prevention specialist.</p> <p>Admission Criteria: Overall GPA of 2.5, major GPA of 2.5, and a grade C or higher in HLSC 101 Health and Wellness is required. For transfer students, equivalent transferred courses may be considered if approved by Health Science faculty.</p>
	Substance Abuse/Addictions Requirements
	HLSC 200 Alcohol and Other Drugs: The Fundamentals
BI 259 Normal and Therapeutic Nutrition	HLSC 214 Nutrition Fundamentals
	HLSC 365 Exercise Science and Application
AD 205 Fundamentals of Dependency Counseling Skills	HLSC 382 Addiction Counseling and Management
	HLSC 386 Chemical Dependency Diagnosis and Treatment
	HLSC 492 Internship in Substance Abuse and Addictions
	Select one of the following:
	<ul style="list-style-type: none"> • HLSC 489 Drug Abuse Prevention • HLSC Advanced Drug Treatment Methods
	Allied Health Requirements
EN 120 Communications	IHCOMM 171 Public Speaking
PY 105 Introduction to Psychology	PSYC 101 General Psychology
BI 195 Anatomy & Physiology I	BIO 230 Human Anatomy & Physiology I w/ lab
BI 196 Anatomy & Physiology II	BIO 232 Human Anatomy & Physiology II w/ lab
CH 103 General Chemistry I	INCHEM 100 Introduction to Chemistry <i>Credits for CH 103 will be accepted. This course meets the Chemistry requirement for the major.</i>

APPENDIX L - General Education and Integrative Studies Program Equivalencies

NHTI, Concord's Community College General Education Courses

All Associate in Science and Associate in Arts degree programs offered at NHTI include a minimum number of credits in General Education courses distributed in accordance with the policy of the Community College System. Courses fulfilling General Education requirements are designed to supplement and expand upon the knowledge and skills acquired in the student's major field courses to help ensure that graduates meet the definition of an "educated person" as set forth in NHTI's Educated Person Statement of Philosophy.

NHTI, Concord's Community College Requirements- 27 credits

KSC ISP

Requirements – 40 credits (10 Courses), with a minimum of eight credits (2 courses) at the 300 and/or 400 level.

Students may have limitations as to how to apply credits toward ISP depending on their chosen major.

All KSC students completing majors in the School of Arts and Humanities must complete one semester of a language other than English

NHTI General Education	KSC ISP
EN 101	ITW 101
Mathematics MT 251	IQL 101
Visual Arts Any FA and EN 295	IA (minimum 4 credits [one course], maximum 8 credits [2 courses] to meet ISP requirements)
Foreign Language, Humanities, Literature, Communications Any EN except 100, 295, HI, PI and FL 110, 111, 112, 115, 116, 121, 122 EC 155	IH (minimum 8 credits [2 courses] maximum 12credits [3 courses] to meet ISP requirements , in two different disciplines)
Science Any BI except 159, 195, 196, 202, 259, 279, CH, PH, SC except 110	IN (minimum 8 credits [2 courses] to meet ISP requirements in two different disciplines)
Social Science Any AN, EO, PS, PY except 298, SO	IS (minimum 8 credits [2 courses] to meet ISP requirements in two different disciplines)
SC 110	II (minimum 4 credits [1 course] to meet ISP requirements)

APPENDIX M

BA American Studies

The American Studies program offers students an interdisciplinary liberal arts education. Students in American Studies engage in a challenging exploration of historical and contemporary American culture and the American multicultural identity, including its past and present values, conflicts, and experiences. American Studies prepares students for career opportunities in elementary and secondary education; graduate school; law school; business; work in libraries, museums, and historic preservation; newspaper, magazine, broadcast journalism; film or media work; work in federal, state, and local agencies, both public and private; government and politics; nonprofit organizations; writing, editing, and publishing; international relations and diplomacy; public relations and advertising; and social services.

→Language Requirement: Each student must demonstrate proficiency in a language other than English

NHTI	KSC
	KSC Major Requirements
	Core Courses
	IIAMST 210 Introduction to American Studies
	IIAMST 250 Interpreting American Cultures
	AMST 350 Perspectives on American Culture
	AMST 495 Seminar
	Select one of the following:
	• AMST 390 Critical Approaches
	• AMST 490 Advanced Special Topics
	Area Courses
	Select two courses from American History:
	• HIST 261 US Social History I: 1603-1865
	• HIST 265 Military in US Society I
	• HIST 266 Military in US Society II
	• HIST 360 American Colonies until 1763
	• HIST 361 The American Revolution
	• HIST 362 Early American Republic 1789-1850
	• HIST 363 US in the Civil War Period: 1850-1876
	• HIST 364 19 th Century America
	• HIST 365 Gilded Age and Progressive Era America
	• HIST 366 US in Crisis: 1920-1950
	• HIST 367 Modern America: 1950-Present
	Select one course in American literature:
	• ENG 280 Cultural Studies
	• ENG 341 Early American Literature
	• ENG 344 Studies in American Literature
	• ENG 345 Studies in African-American Literature
	• ENG 346 Transcendentalism
	• ENG 347 Modern American Indian Literature
	• ENG 370 Studies in Literature of the

	Americas
	Select two courses from Arts & Humanities and/or Social Sciences
	<ul style="list-style-type: none"> • ART 214 Modern Art
	<ul style="list-style-type: none"> • IHAMST 248 Cultures of Plains Indians
	<ul style="list-style-type: none"> • ECON 455 US Economic History
EN 214 American Literature Survey I: to 1865	<ul style="list-style-type: none"> • IHENG 240 Readings in American Literature
	<ul style="list-style-type: none"> • IENG 245 African American Literature and Culture III
	<ul style="list-style-type: none"> • IIFR 240 Franco-American Women's Voices
	<ul style="list-style-type: none"> • IAMU 112 Latin American Music
FA 106 The History of Jazz, Blues, and Rock and Roll	<ul style="list-style-type: none"> • IAMU 216 History of Rock and Roll
	<ul style="list-style-type: none"> • MU 218 History of Jazz
	<ul style="list-style-type: none"> • IAMU 242 Listening to America
	<ul style="list-style-type: none"> • PHIL 304 American Philosophy
	<ul style="list-style-type: none"> • ISPOSC 210 US Politics
	<ul style="list-style-type: none"> • ISPOSC 211 US: State and Local Politics
	<ul style="list-style-type: none"> • POSC 316 Constitutional Law
	<ul style="list-style-type: none"> • POSC 321 Foreign Policy and Globalization
	<ul style="list-style-type: none"> • CJS 101 Introduction to Criminal Justice
	<ul style="list-style-type: none"> • SOC 345 Sociology of Families
	<ul style="list-style-type: none"> • SOC 270 Urban Society
	<ul style="list-style-type: none"> • SOC 472 Sociology of Health and Medicine
	<ul style="list-style-type: none"> • SOC 475 Social Stratification
	<ul style="list-style-type: none"> • SP 330 Latinos in the United States

BA Earth/Space Science

This program is designed to prepare candidates for teaching Earth/Space science in grades 7-12. In addition to meeting all of the degree requirements set by Keene State College (Earth/Space, education, and integrative studies), this program will result in certification for secondary school teaching by the state of New Hampshire in a nationally recognized science education program.

Please note that students seeking certification at the secondary level in Earth and Space Science should refer to the Secondary Education option in the Education major section of the catalog for a list of additional course requirements.

BA in Earth/Space Science with Secondary Education Certification --- 126 credits
 BA without certification --- 120 credits

NHTI	KSC
	Major Requirements
	INGEOL 151 Physical Geology
	GEOL 206 Oceanography
	GEOL 301 Mineralogy

	GEOL 305 Paleontology
	GEOL 306 Sedimentation and Stratigraphy
	GEOL 315 Environmental Geology
SC 107 Introduction to Meteorology	INMET 225 Meteorology
CH 103 General Chemistry I	INCHEM 111 General Chemistry I & Lab
CH 104 General Chemistry II	CHEM 112 General Chemistry II & Lab
PH 133 Physics I: Mechanics, Heat	INPHYS 141 College Physics I
	BIO 111 Evolution
MT 251 Statistics	MATH 141 Statistics
	Select one of the following:
SC104 Astronomy and Space	INASTR 107 Introduction to Astronomy ASTR 307 University Astronomy
	Select one of the following:
MT 113 Accelerated Introductory Mathematics MT 134 Pre-calculus MT 205 Calculus I	MATH 120 Applied Algebra and Trigonometry MATH 130 Precalculus MATH 151 Calculus I

BA Economics

The B.A. in Economics combines rigorous training in economic theory with application to contemporary issues such as globalization, financial market volatility, and the environment. The Economics program is a tight-knit community, and majors and minors can expect to work closely with faculty and with each other. The economic honors society, Omicron Delta Epsilon, organizes field trips to conferences and brings in visiting speakers and alumni. Recent graduates have gone on to careers in business and government, to law school, and to graduate programs in economics and politics, as well as M.B.A. programs.

NHTI	KSC
	KSC Major Requirements
	Core Courses
	IHPHIL 100 Logical Argumentation
	Select one of the following:
MT 251 Statistics	MATH 141 Introductory Statistics
	PSYC 251 Psychological Statistics
EO 102 Microeconomics	ECON 103 Introduction to Microeconomics
EO 101 Macroeconomics	ISECON 104 Introduction to Macroeconomics
	ISECON 360 History of Economic Thought
	ECON 203 Intermediate Microeconomics
	ECON 204 Intermediate Macroeconomics
	ECON 491 Economic Research Project
	Economics Electives
	12 credits of 300- or 400-level Economics courses

BA English: Writing option

Students in the writing option also read a great deal of literature and study literary method, but focus their coursework on the writing of poetry, fiction, and creative nonfiction. Students may not pursue both the Writing option and the Writing minor. English/Secondary Education majors may not choose the Writing option.

LANGUAGE REQUIREMENT: Each student must demonstrate proficiency in a language other than English as specified by the Language Requirement for Students with Majors in the School of Arts and Humanities.

NHTI	KSC
	Major Requirements
	Complete a minimum of <u>10</u> courses
	<ul style="list-style-type: none"> • Choose one course from:
EN 295A Creative Writing: Fiction OR EN 295 B Creative Writing: Poetry	IAENG 204 Creative Writing
EN 295C Creative writing: Nonfiction	ENG 202 Creative Nonfiction Writing
	ENG 208 Topics in Writing
	<ul style="list-style-type: none"> • Also required:
	ENG 215 Literary Analysis
	ENG 315 Literary Form and History
	ENG 402 Theory and Practice
	ENG 405 Writing Portfolio
	Three ENG electives at the 300 or 400 level, including one pre-1800 literature and one Differing Cultural Perspectives course.
	<ul style="list-style-type: none"> • Choose two additional writing courses at the 300 or 400 level (other than ENG 405)
	ENG 301 Fiction Workshop
	ENG 302 Poetry Workshop
	ENG 303 Nonfiction Workshop
	ENG 306 Autobiography Workshop
	ENG 308 Advanced Topics in Writing
	ENG 497 Writing/Publishing Workshop
	Courses that meet the pre1800 requirement:
	<ul style="list-style-type: none"> • ENG 321 English Literature: Beginnings to 18th Century
	<ul style="list-style-type: none"> • ENG 323 Medieval Literature
	<ul style="list-style-type: none"> • ENG 324 Chaucer
	<ul style="list-style-type: none"> • ENG 341 Early American Literature
	<ul style="list-style-type: none"> • ENG 326 English Renaissance Literature
	<ul style="list-style-type: none"> • ENG 327 Shakespeare: Poetry and Plays
	Courses that meet the Differing Cultural Perspectives requirement:
	<ul style="list-style-type: none"> • IHAMST 248 Cultures of Northern Plains Indians
	<ul style="list-style-type: none"> • IIEG 245 Readings in African American Literature and Culture
	<ul style="list-style-type: none"> • IHENG 252 Literature of the Holocaust
	<ul style="list-style-type: none"> • ENG 345 Studies in African American Literature
	<ul style="list-style-type: none"> • ENG 347 Modern American Indian Literature
	<ul style="list-style-type: none"> • ENG 370 Studies in Literatures of the Americas
	When appropriate, the following may fulfill either the pre-1800 literature or Differing Cultural Perspectives requirement:
EN 210 British Literature I OR EN 255 Shakespeare	<ul style="list-style-type: none"> • IHENG 220 Readings in British Literature

MT 205 Calculus I	<ul style="list-style-type: none"> • MATH 130 Precalculus • MATH 151 Calculus I
	Bachelor of Arts Requirements
MT 251 Statistics	MATH 141 Introductory Statistics
	BIO 210 Ecology
CH 103 General Chemistry I	INCHEM 111 General Chemistry I
CH 104 General Chemistry II	CHEM 112 General Chemistry II
	CHEM 221 Organic Chemistry I
	CHEM 222 Organic Chemistry II
	GEOL 252 Evolution of the Earth
PH 133 Physics I: Mechanics, Heat	INPHYS 141 College Physics I
PH 135 Physics II: Light, Sound, Electricity	PHYS 142 College Physics II
	In addition to the above, complete a specialization (three or more courses at 300 level or higher) in <u>one</u> of the following areas: Biology, Chemistry, Environmental Studies, or Geology

BA General Science: Education

The B.A. in General Science provides a broad-based foundation in three major areas: Earth/Space Science, Life Science, and Physical Science. It is an ideal major for the pre-service elementary or middle school teacher as it addresses national recommendations for improving science education with an activity and hands-on focus. The middle school option meets N.H. state certification requirements for grades 5-9

Students must fulfill the "major requirements" below while also selecting either educational level option also found below. In addition, degree requirements must be met for the Education major (as listed in the college catalog under "Education") at the chosen level (see following breakdown of hours)

BA in General Science: Education – dual major

Elementary: 48 hours Gen Sci major, 48 hours elementary education courses

Middle School: 60 hours Gen Sci major, 34 hours education courses

NHTI	KSC
	Major Requirements
SC 104 Astronomy and Space	INASTR 101 Introduction to Astronomy
	BIO 110 Molecules and Cells
	BIO 111 Evolution
	INGEOL 151 Physical Geology
	GEOL 206 Oceanography
SC 107 Introduction to Meteorology	INMET 225 Meteorology
	Select one course:
MT 113 Accelerated Introductory Mathematics	MATH 120 Applied Algebra and Trigonometry
MT 134 Pre-calculus	MATH 130 Precalculus
MT 205 Calculus I	MATH 151 Calculus I
	Elementary or Early Childhood Option
	INCHEM 103 Fundamentals of Chemistry
	INPHYS 201 Phenomenal Science
	GM 301 The Web of Science
	Also select two additional science courses at the 200 level or higher in either the same or different areas:

	Biology, Chemistry, Environmental Studies, and/or Geology
	Middle School Option
CH 103 General Chemistry I	INCHEM 111 General Chemistry I
CH 104 General Chemistry II	CHEM 112 General Chemistry II
	BIO 210 Ecology
MT 251 Statistics	MATH 141 Introductory Statistics
	INPHYS 201 Phenomenal Science
	IIPHYS 210 History of Science
	Also complete a specialization (two or more additional courses at the 200 level or higher) in one of the following areas: Biology, Chemistry, Environmental Studies, or Geology.

BA History

By combining the development of specific skills with the acquisition of a body of historical knowledge, the History major prepares students for successful careers in primary and secondary education (history and social studies), business and industry, and governmental service. The major also prepares students for graduate study in history, law, and other academic and professional fields.

Students majoring in History are required to complete 36 credit hours in History, 20 credits of which must be in one of the following areas of specialization:

- U.S. History
- European History
- 19th-Century Studies
- 20th-Century Studies

At least 16 of the 20 credit hours toward the area of specialization must be at the 300 level (or higher). At least 4 of the 20 credit hours must be at the 400 level.

Students majoring in History must also complete History 200: Reading and Writing in History.

→Language Requirement: Each student must demonstrate proficiency in a language other than English.

MAJOR REQUIREMENTS

36 credits

- 4 credits at the 100 level
- 8 credits at the 200 level, including History 200
- 16 credits at the 300 level
- 8 credits at the 400 level

Following please find listings of NHTI courses which match available KSC courses:

NHTI	KSC
HI 104 Western Civilization: Antiquity to 1650 or HI 105 Western Civilization: 1650 to Present or HI 131 World History I (to 1500) or HI 132 World History II (1500-present)	Meets the 4 credit 100-level requirement. <i>Equivalent to HIST 141 & 142 for Western Civilization I/II and to HIST 111 & HI 112 for Modern World Civilization</i>
HI 120 United State History to 1870	HIST 161 Topics in US History I
HI 121 United States History, 1870 to Present	HIST 162 Topics in US History II

BA Mathematics: Mathematics option

The Bachelor of Arts in Mathematic provides students breadth and depth through an integrated approach to the study of mathematics. The program prepares students for either an immediate career, especially teaching, or graduate school.

A decision to undertake the Mathematics major should be made no later than the beginning of the sophomore year if the program is to be completed in four years. Students entering as Mathematics majors should take MATH 151 Calculus I as soon as possible.

NHTI	KSC
	KSC Major Requirements
	Core Courses
MT 205 Calculus I	MATH 151 Calculus I
MT 206 Calculus II	MATH 152 Calculus II
	MATH 225 Introduction to Abstract and Discrete Mathematics
	MATH 231 Linear Algebra and Differential Equations
	MATH 241 Probability and Statistics
	MATH 300 Introduction to Algebra and Analysis
	MATH 400 Capstone in Mathematics
	Select one course from the pure area:
	MATH 320 Geometry (required for prospective secondary teachers)
	MATH 337 Number Theory
	MATH 490 Topics in Pure Mathematics
	Select one course from the applied area:
MT 210 Differential Equations	This course will apply in this area
MT 251 Statistics	MATH 141 Introductory Statistics MATH 242 Applied Statistics
	MATH 251 Vector Calculus
	MATH 341 Probability and Statistics II
	MATH 360 Numerical Methods
	MATH 361 Differential Equations
	MATH 365 Mathematical Modeling
	Plus one additional mathematics course at the 300-level or above, including IIMATH 310 and IIMATH 315

	Plus both of the following courses:
CP 235 Algorithms with Object Oriented Programming	CS 140 Computer Programming I
	INPHYS 241 University Physics I

BA Psychology

The psychology program prepares students for success in a graduate program in psychology and/or a career in a psychology related field. The program exposes students to the methodologies, problems, bodies of knowledge, and broad range of perspectives found currently in psychology.

The application process for formal admission to the Psychology major occurs during the first or second semester of the sophomore year, e.g., upon completion of PSYC 101, PSYC 251, and either PSYC 242 or PSYC 253. To be admitted to the major, the student must achieve a minimum GPA of 2.5 and no less than a grade C in any of these three courses, and must be in good academic standing with the College.

NHTI	KSC
	KSC Major Requirements
	Core Courses
PY 105 Introduction to Psychology	PSYC 101 General Psychology
	PSYC 251 Psychological Statistics
	PSYC 252 Research Methods in Psychology
	PSYC 253 Brain and Behavior
	PSYC 382 History of Psychology
	PSYC 495 Seminar
	Psychology Electives
	Select at least two courses from one of the following groups and at least one from each of the remaining groups
	Group 1
	PSYC 242 Personality
	PSYC 340 Psychological Testing
PY 210 Abnormal Psychology	PSYC 345 Abnormal Psychology
PY 280 Individual Counseling: Theory and Practice	PSYC 444 Counseling
PY 280 Group Counseling	PSYC 447 Clinical Psychology
	Group 2
PY 225 Social Psychology	PSYC 221 Social Psychology
	PSYC 311 Child/Adolescent Psychology
	PSYC 314 Adulthood and Aging
	PSYC 332 Ethology
	PSYC 425 Psychology of Women
	Group 3
	PSYC 321 Culture and Psychology
	PSYC 355 Psychology of Learning
	PSYC 357 Cognitive Processes
	PSYC 451 Motivation
	PSYC 453 Sensation and Perception

BS Sociology

The Sociology program offers students knowledge and resources to search systematically for answers to questions about society. Sociology students develop a sociological imagination, which is the ability to grasp the close relationship between personal experiences and the larger social world. Our majors study social and cultural forces that shape individual and group behavior using a variety of scientific methods such as surveys, interviews, observation, and content analysis. By studying and critically assessing sociological theories, sociology students also describe, interpret, and explain how the world works.

Core courses provide excellent training in sociological concepts, theories, and methods. Electives focus on topics like the environment, popular culture, families, inequalities, race and ethnicity, crime and deviance, anthropology, and global society. Sociology majors may also engage in community research, service-learning projects, internships, and travel through coursework. Students with a bachelor's degree in sociology are well prepared for graduate and professional studies and careers using their interpersonal skills and specialized knowledge in the areas of education, social services, human rights, health and wellness, justice, advocacy, and research.

To earn a degree in Sociology, the student must earn a grade C or better in the following core courses: SOC 201 SOC 301, SOC 303, and SOC 305. Courses may be retaken as needed to meet this requirement.

NHTI	KSC
	Core Courses
SO 105 Introduction to Sociology	SOC 201 Introduction to Sociology Major
	SOC 301 Sociological Research Methods
	SOC 303 Sociological Quantitative Analysis
	SOC 305 Sociological Theory
	KSC Major Requirements
	Select one of the following:
	ISANTH 110 Cultural Anthropology
	ISANTH 111 Archeology and Physical Anthropology
	Select one of the following:
	HGS 427/SOC 427 Sociological Topics in Genocide
	SOC 450 Mind, Self, and Society
	SOC 455 The Body and Sexuality in Society
	SOC 461 White-Collar Crime
	SOC 472 Sociology of Health and Medicine
	SOC 475 Social Stratification
	SOC 480 Political Sociology
	SOC 485 Science and Society
	SOC 490 Advanced Topics in Sociology
	Sociology Electives
SO 205 The Individual and Society SO 214 Race and Ethnic Relations SO 226A Service Citizenship, and Community SO 240 Marriage, Family, and Personal Relationships SO 250 Conflict Resolution in Modern Society SO 298 Travel/Study Abroad Experience	12 credits in sociology electives must be taken. Four credit hours of Anthropology courses can be used to satisfy this requirement

BS Chemistry

The B.S. in Chemistry should serve as a general preparation for a professional scientist. The major was designed according to guidelines from the American Chemical Society (ACS) to be rigorous, yet flexible enough to allow for preparation for immediate employment, graduate study, or work in an allied profession.

NHTI	KSC
	Integrative Studies Requirements
CH 103 General Chemistry I	INCHEM 111 General Chemistry I
CH 104 General Chemistry II	CHEM 112 General Chemistry II
	CHEM 221 Organic Chemistry I
	CHEM 222 Organic Chemistry II
	CHEM 251 Quantitative Analysis
	CHEM 341 Physical Chemistry I
	CHEM 342 Physical Chemistry II
	CHEM 363 Inorganic Chemistry
	CHEM 375 Biochemistry
	CHEM 421 Advanced Synthetic Chemistry
	CHEM 454 Instrumental Analysis
	<ul style="list-style-type: none"> • Select from one of the following:
	CHEM 321 Organic Chemistry III
	CHEM 333 Medicinal Chemistry
	CHEM 373 Polymer Chemistry
	Related Field
MT 251 Statistics	MATH 141 Introductory Statistics
MT 205 Calculus I	MATH 151 Calculus I
MT 206 Calculus II	MATH 152 Calculus II
	<ul style="list-style-type: none"> • Select one PAIR from the following:
PH 133 Physics I: Mechanics, Heat and PH 135 Physics II: Light, Sound, Electricity	INPHYS 141 College Physics I and PHYS 142 College Physics II
	INPHYS 241 University Physics I and PHYS 242 University Physics II
BI 111 General Biology I BI 112 General Biology II	BIO 110 Molecules and Cells

BS Education: Secondary

Building on the historical legacy of teacher preparation at Keene State College, the Education program mission is to prepare competent, reflective classroom teachers and other professional school personnel who utilize effective teaching practices and who create developmentally appropriate educational environments for diverse learners. Keene State College has been an NCATE accredited institution since 1954.

Transfer Credits - Students who wish to transfer credits into a teacher certification option must apply through the department chair. ** The PRAXIS must be passed prior to acceptance to KSC Education program.

Liberal Arts Major - The New Hampshire State Department of Education requires students completing Education majors to also demonstrate depth of knowledge in a content area. Therefore, Education majors must also fulfill requirements of a liberal arts major.

Students seeking certification in **Middle or Secondary Education** are required to complete a liberal arts major in one of the following areas:

- Biology
- Chemistry
- Chemistry – Physics
- Earth/Space Science
- English
- General Science
- Geography
- Geology
- History
- Mathematics
- Modern Languages (French or Spanish)
- Physical Science
- Social Science

It is **STRONGLY** recommended that a transfer student complete a number of these courses in their selected liberal arts major prior to transfer to ensure course sequencing and to enter KSC with a solid foundation.

NHTI	KSC
ED 104 Foundations of Education	EDUC 100 Issues in Education
ED 207 Teaching and Learning Process ED 212 Design of Instruction	EDUC 231 Curriculum for a Diverse World
	EDUC 331 Secondary Methods I
ED 200 Supporting Students with Challenging Behaviors	EDUC 332 Secondary Classroom Management
ED 101 Introduction to Exceptionalities ED 203 Teaching Strategies for Diverse Learners	EDSP 333 Secondary Special Education Issues
	EDUC 431 Secondary Methods
	EDUC 432 Education Theories/Trends
	EDUC 400 Student Teaching

BS Environmental Studies

The Environmental Studies (ENST) major provides students with a conceptual framework and set of skills needed to make effective, relevant, and sustaining contributions to society with respect to environmental issues, both as professional practitioners and as individual citizens.

NHTI	KSC
	Courses recommended but not required
	INGEOL 151 Physical Geology
CH 105 Chemistry	INCHEM 103 Fundamentals of Chemistry
EO 101 Macroeconomics	ISECON 104 Intro to Macroeconomics
	ISGEOG 204 Physical Geography
MT 251 Statistics	MATH 141 Statistics
	Major Requirements
	IENST 151 Environment of Central New England
	IENST 152 Principles of Sustainability

BI 212 Ecology	ENST 251 Matter and Energy in the Environment I
ENV 101 Fundamentals of Environmental Science	ENST 252 Ecology of a Changing Planet I
	ENST 253 Environmental Governance
	ENST 395 Junior Seminar
	ENST 495 Senior Seminar
	Select one of these human dimension courses:
	ENST 304 Environmental Law and Regulation
	ENST 308 Environmental Issue Management
	ENST 404 Risk and the Environment
	ENST 431 Environmental Policy Analysis
	Select one of the environmental science courses:
	ENST 312 Energy and Sustainability
	ENST 352 Conservation of Ecological Systems
	ENST 452 Ecosystems and the Environment
BI 215 Freshwater Ecology	ENST 460 Groundwater in the Environment
	Select two additional courses at the 300 level or above in ENST:
	ECON 340 Environmental Economics
	GEOG 330 Natural Resource Management
	GEOG 332 Global Water resources
AR 160 Introduction to Geographic Information Systems	GEOG 324 Vector GIS
	GEOG 327 Environmental Remote Sensing
	POSC 315 Environmental Policy
	SOC 380 Environmental Sociology

BS Health Science: Health Promotion/ Wellness

Health Promotion and Wellness option graduates work to change policies, environments, attitudes, and behaviors that affect health. The Community Health specialization prepares students for professional careers in community health education, global health, or for graduate programs in public health or health education. The Behavior and Health Specialization prepares students for such graduate programs as Health Psychology, Pain Management, or Behavioral Health.

By the fall 2012 semester, INHLSC 175 will replace all the following courses:

- HLSC 115 Nutrition and Well-Being
- HLSC 125 Nutrition and the Profession
- HLSC 214 Nutrition Fundamentals

NHTI	KSC
	KSC Major Requirements
	Core Courses
HS 150 Introduction to Personal Wellness	HLSC 101 Health and Wellness
	HLSC 285 Health in Society
AD 120 Survey of Addictive Behaviors and Treatment	HLSC 380 Addiction: Theory, Research, and Practice
	HLSC 385 Behavior Change Facilitation

	HLSC 485 Health Promotion Practice
	Select one of the following:
	<ul style="list-style-type: none"> HLSC 494 Health Science Capstone HLSC 495 seminar: Health Science Research
	Health Promotion and Wellness Option
	<i>The Health Promotion and Wellness option offers two specializations: Community Health and Behavior and Health. Students select one of the specializations and complete option requirements and specialization requirements.</i>
	Health Promotion and Wellness Requirements
BI 259 Normal and Therapeutic Nutrition	HLSC 214 Nutrition Fundamentals
	HLSC 365 Exercise Science and Application
	Allied Discipline Requirements
BI 195 Anatomy & Physiology I	BIO 230 Human Anatomy & Physiology w/ lab
BI 196 Anatomy & Physiology II	BIO 232 Human Anatomy & Physiology w/ lab
CH 103 General Chemistry I	INCHEM 100 Introduction to Chemistry <i>Credits for CH 103 will be accepted. This course meets the Chemistry requirement for the major.</i>
EN 120 Communications	IHCOMM 171 Public Speaking
PY 105 Introduction to Psychology	PSYCH 101 General Psychology
	Community Health Specialization Requirements
	HSLC 305 Epidemiology in Health Science
	Select one:
MT 251 Statistics	<ul style="list-style-type: none"> MATH 141 Introductory Statistics MATH 142 Applied Statistics
	Behavior and Health Specialization Requirements
	Select one:
	<ul style="list-style-type: none"> HLSC 318 Nutrition throughout Lifespan PSYC 311 Child and Adolescent Psychology PSYC 314 Adulthood and Aging HLSC 330 Health Psychology PSYC 221 Social Psychology PSYC 242 Personality PSYC 253 Brain and Behavior PSYC 345 Abnormal Psychology
PY 220 Human Growth & Development: The Life Span	
PY 225 Social Psychology	
PY 210 Abnormal Psychology	

BS Health Science: Nutrition

As an option under the BS in Health Science, this nutrition option provides the basic academic preparation necessary to become a registered dietitian (RD). Certification as an RD is often mandatory for professional positions and requires completion of an approved postgraduate supervised practice program.

Typically, a student who successfully completes the ADA-approved curriculum, an ADA-accredited internship or pre-professional practice program, and the registration examination becomes qualified as a health professional responsible for services in areas such as nutrition service-related management, clinical or community dietetics, education, consultation, private practice, and research.

By the fall 2012 semester, INHLS 175 will replace all the following courses:

- HLSC 115 Nutrition and Well-Being
- HLSC 125 Nutrition and the Profession
- HLSC 214 Nutrition Fundamentals

NHTI	KSC
	KSC Major Requirements
	Core Courses
	HLSC 101 Health and Wellness
	HLSC 285 Health in Society
AD 120 Survey of Addictive Behaviors and Treatment	HLSC 380 Addiction: Theory, Research, and Practice
	HLSC 385 Behavior Change Facilitation
	HLSC 485 Health Promotion Practice
	Select one of the following:
	<ul style="list-style-type: none"> • HLSC 494 Health Science Capstone • HLSC 495 seminar: Health Science Research
	Nutrition Option
	<p><i>This option provides the basic academic preparation necessary to become a registered dietitian (RD). Students must have an overall GPA of 2.8. After completion of the following courses with an average of B or higher (3.0), students interested in pursuing the Nutrition option must submit an application for permanent admission to the Health Science Nutrition option:</i></p> <ul style="list-style-type: none"> • HLSC 101 Health and Wellness • HLSC 125 Nutrition and the Profession • INCHEM 103 Fundamentals of Chemistry <p>For transfer students, equivalent transferred courses may be considered if approved by the Admissions Committee.</p>
	Required for admission consideration
	HLSC 101 Health and Wellness
BI 259 Normal and Therapeutic Nutrition	HLSC 125 Nutrition and the Profession
CH 100 Introductory Chemistry	INCHEM 103 Fundamentals of Chemistry <i>Credits for CH 100 will be accepted. This course meets the Chemistry requirement for the major</i>
	Nutrition Option requirements
BI 259 Normal and Therapeutic Nutrition	HLSC 125 Nutrition and the Profession
	HLSC 215 Nutrition Science and Application
	HLSC 216 Current Topics in Food Culture

	HLSC 310 Food Science
	HLSC 313 Foodservice Management
BI 279 Life Cycle Nutrition	HLSC 318 Nutrition Throughout the Lifespan
	HLSC 365 Exercise Science and Application
	HLSC 410 Experimental Foods
	HLSC 415 Nutritional Biochemistry
	HLSC 416 Medical Nutrition Therapy
	HLSC 473 Practicum: Nutrition
	Allied Discipline Requirements
BI 195 Anatomy & Physiology I	BIO 230 Human Anatomy & Physiology I w/ lab
BI 196 Anatomy & Physiology II	BIO 232 Human anatomy & Physiology II w/ lab
	BIO 240 Cell and Microbial Biology
CH 100 Introduction to Chemistry	INCHEM 103 Fundamentals of Chemistry w/ lab <i>Credits for CH 100 will be accepted. This course meets the Chemistry requirement for the major</i>
CH 205 Organic Chemistry	CHEM 220 Fundamental Organic Chemistry w/ lab
EN 120 Communications	IHCOMM 171 Public Speaking
PY 105 Introduction to Psychology	PSYC 101 General Psychology

BS Mathematics - Physics

This interdisciplinary program provides sufficient groundwork in both mathematics and physics for employment in industry, the commercial sector, or further study in graduate school. Students who are interested in an engineering degree may elect this program, complete major requirements over three years, transfer to an engineering school of choice, and be awarded both the B.S. in Mathematics - Physics from Keene State and the appropriate engineering bachelor's degree.

NHTI	KSC
	Major Requirements
MT 205 Calculus I	MATH 151 Calculus I
MT 206 Calculus II	MATH 152 Calculus II
	MATH 251 Vector Calculus
	MATH 231 Linear Algebra And Differential Equations
MT 210 Differential Equations	MATH 361 Differential Equations
	INPHYS 241 University Physics I
	PHYS 242 University Physics II
	PHYS 260 Electronics
	PHYS 342 Modern Physics
	PHYS electives (8 credits, 300 level or higher)
	Related Fields
CP 235 Algorithms with Object Oriented Programming	CS 140 Computer Programming
CH 103 General Chemistry I	INCHEM 111 General Chemistry I
CH 104 General Chemistry II	CHEM 112 General Chemistry II

BS Physical Education: Exercise Science Option

Exercise Science is a multidisciplinary science-based program, which is fast growing and ever changing. It is intended for students who would like to pursue a career in exercise science, sports medicine, or allied health. Exercise Science is an area of study that prepares students for a variety of professions that include competitive sports, community recreation, health and wellness, rehabilitation, and medicine.

Transfer students may be eligible to apply for admission after one semester at KSC, but must have completed INCHEM 100 Introduction to Chemistry or an equivalent course and BIO 230 Human Anatomy and Physiology I or an equivalent course before applying. Criteria for admission are as follows:

- Academic progress: Overall GPA of 2.5, major GPA of 2.5 and a grade of C or higher in the following courses:
 - HLSC 101 Health and Wellness
 - PE 191 Standard First Aid/CPR
 - PE 250 Concepts of Exercise Training
- Professional recommendations: Two recommendations for admission by KSC faculty (minimum one faculty member recommendation from outside of the Physical Education Department)
- Professional orientation: Documentation of progress in professional role modeling, professional writing, and professional experience

Retention standards

- Enrollment in PE 372, PE 472, and PE 492 requires the following standards:
 - Student must receive a C or better in all required Exercise Science option courses
 - Student must maintain a cumulative GPA of 2.5 and a major GPA of 2.5

NHTI	KSC
	Allied Requirements
CH 103 General Chemistry I	INCHEM 100 OR INCHEM 103 OR INCHEM 111 <i>Credits for CH 103 will be accepted. This course meets the Chemistry requirement for the major.</i>
BI 195 Anatomy & Physiology I	BIO 230 Human Anatomy & Physiology I
BI 196 Anatomy & Physiology II	BIO 232 Human Anatomy & Physiology II
PY 105 Introduction to Psychology	ISPSYC 100 Topics in Psychology
	Exercise Science Option Requirements
CHWN 101 Foundations of Health & Wellness	HLSC 101 Health and Wellness
	PE 191 Standard First Aid/CPR (1 credit)
	PE 200 Applied Kinesiology
	PE 201 Physiology of Exercise
	PE 250 Concepts of Exercise Training
	PE 232 Exercise Programming and Testing
	PE 335 Advanced Strength and Conditioning
BI 229 Nutrition in Exercise and Sports	PE 344 Sports Nutrition
	PE 372 Practicum: Exercise Leadership
	PE 460 Experimental Design and Analysis in PE
	Select one: PE 472 Exercise Science Externship (4-12 cr) PE 492 Exercise Science Seminar
	Specialization requirements

	Complete one of the following areas:
	<ul style="list-style-type: none"> • Health Specialization
IDS 120 Global Public Health Issues	HLSC 285 Health in Society
PY 226A Sport and Exercise Psychology	Select one: HLSC 330 Health Psychology IPE 310 Psychosocial Aspects of Sport
	HLSC 431 Stress Management
	<ul style="list-style-type: none"> • Coaching Specialization
	PE 210 Introduction to Coaching
	Select one: MGT 260 Sports Management IPE 310 Psychosocial Aspects of Sport
	PE 371 Coaching Practicum

BS Safety and Occupational Applied Health Sciences

This major prepares students for a variety of occupational safety and health program management positions in the private and public sector. Emphasis is placed on critical thinking, hazard identification and prioritization, problem solving, cost effectiveness, professional skills in programmatic management, and safety and environmental regulatory compliance. Graduates will have the capacity to pursue graduate study, participate in applied research, or transition directly into careers in loss control, risk management, organizational safety, and consulting.

NHTI	KSC
	Major Requirements
	Core Courses
	SAFE 101 Safety Awareness
	SAFE 202 Occupational Safety
	SAFE 302 Law and Ethics in Safety
	SAFE 303 Safety and Health Standards
	SAFE 305 Health Hazard Identification
	Safety Electives
	Select four of the following (two must be 300 level or above)
	SAFE 203 Fire and HAZMAT Response
	SAFE 204 Human Factors in Safety
	SAFE 205 Behavioral Based Safety
	SAFE 290 Special Topics in Safety
	SAFE 301 Loss Prevention
	SAFE 304 Environmental Regulation
	SAFE 401 Industrial Hygiene
	SAFE 402 Critical Incident Response
	SAFE 490 Adv Special Topics in Safety
	SAFE 405 Safety Seminar
	Allied Requirements
BU 270 Principles of Management	MGT 101 Intro to Management
BU 273 Human Resource Management	MGT 324 Human Resource Management
CH 105 Chemistry	INCHEM 103 Fundamentals of Chemistry
	Safety Capstone

	SAFE 497 Innovative Safety Leadership
	Internships
	SAFE 200 Safety Internship (2-8 credits)
	SAFE 400 Adv Safety Internship (2-8 credits)

SCOPE OF THE AGREEMENT

This agreement and its Appendices, contains the entire Agreement of the parties and cancels and supersedes any previous understanding or Agreement, whether written or oral. All substantial changes or major modifications to this Agreement must be agreed to in writing between the parties.

Use of Agreement in Electronic Form: Both parties agree that they may: (a) convert this Agreement to electronic form, (b) retain it solely in such form, and (c) in the event of any dispute, provide it in such form or a copy from such form. The parties further agree that the Agreement in such form (or a copy), including the application of industry security standards for digital signatures, shall not be denied legal effect, validity, or enforceability due to its form and shall meet any requirement to provide an original.

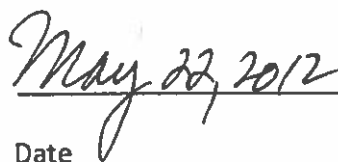
SIGNATURE SECTION

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective signatory officials thereunto duly authorized as of the day and year first above written.



Dr. Helen Giles-Gee

President, Keene State College

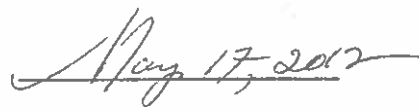


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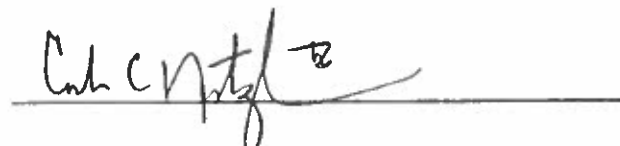


B. Lynn T. Kilchenstein, MA

President, NHTI, Concord's Community College



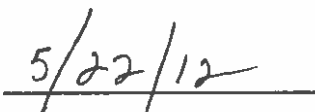
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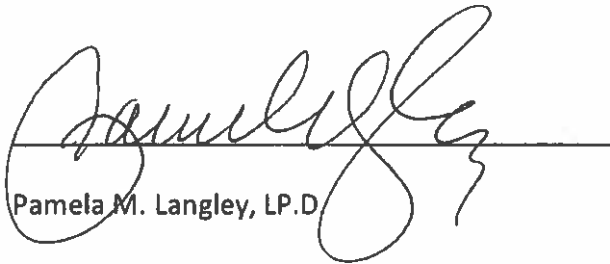
Dr. Emile Netzhammer III

Provost and Vice President of Academic Affairs

Keene State College



Date



Pamela M. Langley, LP.D

Vice President, Academic Affairs

NHTI, Concord's Community College

5/17/12

Date

