

## **ARTICULATION AGREEMENT BETWEEN KEENE STATE COLLEGE AND LAKES REGION 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 Lakes Region Community College (LRCC) 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 Lakes Region Community College will be admitted to Keene State College with junior status. Courses at Lakes Region Community College 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 Lakes Region Community College, 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 Lakes Region Community College students who complete Associate degrees in:

- AS Graphic Design
- AA Fine Arts
- AS Computer Technologies
- AS Early Childhood Education
- AA Teacher Preparation
- AS Business Management
- AS Energy Services and Technology
- AAS Electrical Systems Installation and Maintenance
- AAS Electrical Power and Control Technologies
- AS Fire Protection

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

- an Associate Degree of Science in Graphic Arts at Lakes Region Community College may transfer credits into a Baccalaureate degree of Arts in Art: Graphic Design Option at Keene State College (Appendix A)
- an Associate Degree of Arts in Fine Arts at Lakes Region Community College may transfer credits into a Baccalaureate degree of Arts in Art: Studio Art Option at Keene State College (Appendix B)
- an Associate Degree of Science in Computer Technologies at Lakes Region 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 Lakes Region Community College may transfer credits into a Baccalaureate degree of Science in Education: Early Childhood Development at Keene State College (Appendix D)
- an Associate degree of Arts in Teacher Preparation at Lakes Region Community College may transfer credits into a Baccalaureate degree of Science in Education: Elementary Education at Keene State College (Appendix E)
- an Associate degree of Science in Management at Lakes Region Community College may transfer credits into a Baccalaureate degree of Science in Management at Keene State College (Appendix F)
- an Associate degree of Science in Energy Services and Technology at Lakes Region Community College may transfer credits into a Baccalaureate degree of Science in Sustainable Product Design and Innovation at Keene State College (Appendix G)
- an Associate degree of Applied Science in Electrical Systems Installation and Maintenance at Lakes Region Community College may transfer credits into a Baccalaureate degree of Science in Sustainable Product Design and Innovation at Keene State College (Appendix H)
- an Associate degree of Applied Science in Electrical Power And Control Technologies at Lakes Region Community College may transfer credits into a Baccalaureate degree of Science in Sustainable Product Design and Innovation at Keene State College (Appendix I)
- an Associate degree of Science in Fire Protection at Lakes Region Community College may transfer credits into a Baccalaureate degree of Science in Safety and Occupational Applied Health Sciences at Keene State College (Appendix J)

This agreement also specifies how general education courses taken at Lakes Region Community College will be applied to Keene State College's Integrative Studies Program (Appendix K)

Finally this agreement identifies courses taken at Lakes Region Community College that can be applied to various baccalaureate programs at Keene State College. These equivalencies create a pathway for students to transition from Lakes Region Community College to Keene State College. (Appendix L)

#### **JOINT RESPONSIBILITIES**

To the extent possible, Lakes Region Community College and Keene State College will publicize this Agreement and collaborate in joint marketing efforts. Lakes Region 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 Lakes Region 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

### Fine Arts

The Lakes Region Community College Associate Degree in **Fine Arts** is administered by the department chair (Patricia Wild) and supervised by the Vice President of Academic Affairs (Tom Goulette). The Keene State College 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.

### Graphic Design

The Lakes Region Community College Associate Degree in **Graphic Design** is administered by the department chair (Patricia Wild) and supervised by the Vice President of Academic Affairs (Tom Goulette). The Keene State College Baccalaureate in **Art: Graphic Design Option** is administered by the chair of the department (Robert Kostick) and supervised by the Dean of Arts and Humanities.

### Early Childhood Education

The Lakes Region Community College Associate Degree in **Early Childhood Education** is administered by the department chair (Patricia Wild) and supervised by the Vice President of Academic Affairs (Tom Goulette). The Keene State College 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.

### Teacher Preparation

The Lakes Region Community College Associate Degree in **Teacher Preparation** is administered by the department chair (Patricia Wild) and supervised by the Vice President of Academic Affairs (Tom Goulette). The Keene State College 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.

### Business Management

The Lakes Region Community College Associate Degree in **Business Management** is administered by the department chair (Sandra LaVallee) and supervised by the Vice President of Academic Affairs (Tom Goulette). The Keene State College Baccalaureate in **Management** is administered by the chair of the department (Linda Hadden) and supervised by the Dean of Sciences.

### **Electrical Systems Installation and Maintenance**

The Lakes Region Community College Associate Degree in **Electrical Systems Installation and Maintenance** is administered by the department chair (Carl Daniels) and supervised by the Vice President of Academic Affairs (Tom Goulette). The Keene State College 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.

### **Energy Services and Technology**

The Lakes Region Community College Associate Degree in **Energy Services and Technology** is administered by the department chair (Carl Daniels) and supervised by the Vice President of Academic Affairs (Tom Goulette). The Keene State College 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.

### **Computer Technologies**

The Lakes Region Community College Associate Degree in **Computer Technologies** is administered by the department chair (Sandra LaVallee) and supervised by the Vice President of Academic Affairs (Tom Goulette). The Keene State College Baccalaureate in **Applied Computer Science** is administered by the chair of the department (Mike Hanrahan) and supervised by the Dean of Sciences.

### **Fire Protection**

The Lakes Region Community College Associate Degree in **Fire Protection** is administered by the department chair (Allen Coen) and supervised by the Vice President of Academic Affairs (Tom Goulette). The Keene State College Baccalaureate in **Safety And Occupational applied Health Sciences** is administered by the chair of the department (Mike Hanrahan) and supervised by the Dean of Sciences.

#### **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 Graphic Design to BA Art: Graphic Design Option

AA Graphic Design	<a href="http://www.lrcc.edu/gdpt/gdpt-requirements.html#GDas">http://www.lrcc.edu/gdpt/gdpt-requirements.html#GDas</a>	BA Art: Graphic Design 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

LRCC	KSC
AA Graphic Design	Foundation Core
LART 1200 2-D Design LART 1250 3-D Design	ART 101 Foundations of Design or IAART 100
LART 1300 History of Art I <b>AND</b> LART 1350	ART 111 Introduction to Art History or IAART 110
LART 1100 Drawing I	ART 125 Drawing I or IAART 120
	<b>Graphic Design Option</b>
	100-level course
LGRA 1350 Introduction to Graphic design w/ Adobe Illustrator	ART 151 Technology Workshop
	200-level courses
LGRA 2230 Graphic Design I	ART 250 Graphic Design I
LGRA 2420 Digital Imaging with Photoshop	ART 253 Digital Imaging I
LGRA 1340 Typography and Layout with InDesign	ART 258 Typography I
	300-level courses
	ART 350 Graphic Design II
LGRA 2250 Designing for the Web	ART 354 Web-based Media I
	ART 356 Time-based Media I
	400-level courses
	ART 450 Graphic Design III
	ART 455 Topics in Graphic Design
	ART Graphic Design Portfolio

## APPENDIX B

### AA Fine Arts to BA Art: Studio Art Option

AA Fine Arts	<a href="http://www.lrcc.edu/art/artrequirements.html">http://www.lrcc.edu/art/artrequirements.html</a>	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

LRCC	KSC
AA Fine Arts	Foundation Core
LART 1200 2-D Design LART 1250 3-D Design	ART 101 Foundations of Design or IAART 100
LART 1300 History of Art I <b>AND</b> LART 1350 History of Art II	ART 111 Introduction to Art History or IAART 110
LART 1100 Drawing I	ART 125 Drawing I or IAART 120
	<b>Studio Art Option</b>
	200-level courses
LART 1450 The Clay Experience I	ART 208 Ceramics I
LART 1150 Drawing II	ART 225 Drawing II
LART 2400 Painting I	ART 226 Painting I
LART 2600 Sculpture	ART 244 Sculpture I
	ART 295 Sophomore Studio/Exhibit Practice
	Select <b>one</b> of the following:
	• ART 211 Ancient Art
	• ART 212 Medieval Art
	• ART 213 Renaissance Art
	• ART 214 Modern Art
LART 2510 Issues in Contemporary Art	• ART 290 Topics in Art History
	• ART 492 Art History Seminar
	300-level courses
LART 2550 Printmaking	ART 333 Printmaking I
	Select <b>one</b> of the following:
LART 2450 The Clay Experience II	• ART 308 Ceramics II
	• ART 325 Drawing III
LART 2700 Painting II	• ART 326 Painting II
	• ART 334 Printmaking II
	• ART 344 Sculpture II
	400-level courses
	ART 495 Senior Studio/ Exhibit practice
	Select <b>one</b> of the following:
	• ART 408 Ceramics III
	• ART 426 Painting III
	• ART 434 Printmaking III
	• ART 444 Sculpture III
	• ART 490 Advanced Studio Topics

## APPENDIX C

### AS Computer Technologies to BS Applied Computer Science

AS Computer Technologies	<a href="http://www.lrcc.edu/compotech/compco_urselist.html">http://www.lrcc.edu/compotech/compco_urselist.html</a>	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.

LRCC	KSC
AS Computer Technologies	KSC Major Requirements
	<b>Core Courses</b>
	MATH 135 Mathematical Foundations for CS
	CS 140 Computer programming I
	Select one of the following:
LCIS 2320 Website Development	• CS 150 Web Page Construction
LCIS 1360 Introduction to Computers	• CS 160 Microcomputer Systems
	CS 185 Computer Programming II
	CS 280 Data Structures and Algorithms
	<b>Architecture and Programming Electives</b>
	Choose one of the following:
	• CS 210 Midrange Systems
LCIS 2620 Intro to Unix/Linux	• CS 215 Unix System Admin
	• CS 265 Computer Architecture
	• CS 367 Command Language Programming
	Choose one of the following:
LCIS 1400 Introduction to Programming AND LCIS 2720 Object Oriented Programming – Visual Basic	• CS 205 User Interface and Visual Programming
	• CS 220 COBOL Programming
LCIS 2750 Object-oriented Programming – C++	• CS 225 C++ Programming
	• CS 230 RPG Programming
	• CS 310 Assembly Language
	<b>Advanced Electives</b>
	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
LCIS 2320 Website Development LCIS 2920 Mobile Application Development	CS 340 Internet Programming
	CS 350 Systems Analysis and Project Management
LCIS 2500 Networking Fundamentals	CS 355 Telecom and Computer Networks
LCIS 2430 Database Application Development LCIS 2440 SQL Server	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
	<b>Practical Experience</b>
	Choose one:
	<ul style="list-style-type: none"> <li>CS 293 Supervised Field Experience</li> </ul>
	<ul style="list-style-type: none"> <li>CS 493 Advanced Supervised Field Experience</li> </ul>

## APPENDIX D

### AS Early Childhood Education to BS Education: Early Childhood

AS Early Childhood Education	<a href="http://www.lrcc.edu/ECE/index.html">http://www.lrcc.edu/ECE/index.html</a>	BS Education: Early Childhood Development
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**Education Department Chair:** Janet Kibbee **Email:** [jkibbee@ccsnh.edu](mailto:jkibbee@ccsnh.edu) **Phone:** 603-524-3207, Ext. 6705

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

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

LRCC	KSC
LECE 1230 Foundations of Early Childhood Education <b>OR</b> LEDU 1200 Foundations of Education	EDUC 100 Issues in Education
	EDUC 200 Social Contexts of Education

LECE 2160 Young Children's Special Needs <b>OR</b> LEDU 1300 Introduction to Exceptionalities <b>AND EITHER</b> LECE 1210 Growth & Development in the Young Child <b>OR</b> LPSY 1260 Human Growth & Development	EDSP 202 Development, Exceptionality, And Learning
	MATH 171 Structure of Number Systems
	A course in Children's Literature (i.e., IHENG 286)
LECE 1240 Health, Nutrition, and Safety in Child Care LECE 1220 Curriculum Development in Early Childhood LECE 1610 OR 2610 Early Childhood Education Practicum I or II LECE 2240 Math and Science in Early Childhood LECE 2310 Early Literacy Development <b>Plus portfolio of work for all 5 classes</b>	EDUC 311 Early Childhood Methods I: Infant/Toddler/Preschool
	EDUC 312 Early Childhood Methods II: Primary Grades (K-3)
	EDUC 400 Student Teaching
	EDUC 410 EC Student Teaching Seminar

## APPENDIX E

### AA Teacher Preparation to BS Education: Elementary

AA Teacher Prep	<a href="http://www.lrcc.edu/teacherprep/programs.htm">http://www.lrcc.edu/teacherprep/programs.htm</a>	BS Education: Elementary Education
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**Education Department Chair:** Janet Kibbee **Email:** [jkibbee@ccsnh.edu](mailto:jkibbee@ccsnh.edu) **Phone:** 603-524-3207, Ext. 6705

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
- Theatre and Dance
- 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

Elementary Education option: 48 credits, plus liberal arts major

LRCC	KSC
LEDU 1200 Foundations of Education	EDUC 100 Issues in Education
	EDUC 200 Social Contexts of Education
LEDU 1300 Introduction to Exceptionalities <b>AND</b> LPSY 1260 Human Growth & Development	EDSP 202 Development, Exceptionality, and Learning
	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
	EDUC 400 Student Teaching
	EDUC 420 ELED Student Teaching Seminar

## APPENDIX F

### AS Business Management to BS Management

AS Business Management	<a href="http://www.lrcc.edu/busofficetech/bizmanrequirements.html">http://www.lrcc.edu/busofficetech/bizmanrequirements.html</a>	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.

LRCC	KSC
AS Business Management	KSC Major Requirements
LBUS 2310 Principles of Management	MGT 101 Introduction to Management
	MGT 202 Quantitative Decision Making
LACC 1310 Accounting I LACC 1320 Accounting II LACC 2350 Managerial Accounting	MGT 213 Financial Accounting
	MGT 214 Managerial Accounting
	MGT 301 Organizational Theory and Behavior
	MGT 319 Financial Management
LBUS 2600 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 <b>OR</b> MGT 333 Advertising &amp; 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
LENG 1230 Business Communications <b>OR</b>	IH COMM 171 Public Speaking

LENG 2600 Public Speaking	
LCIS 1320 Software Applications	CS 101 Introduction to Computer Information Processing
LSOC 2320 Macroeconomics	ISECON 104 Introduction to Macroeconomics
LSOC 2310 Microeconomics	ECON 103 Introduction to Microeconomics

## APPENDIX G

### AS Energy Services and Technology to BS Sustainable Product Design and Innovation

AS Energy Services and Technology	<a href="http://www.lrcc.edu/energy/index.html">http://www.lrcc.edu/energy/index.html</a>	BS Sustainable Product Design and Innovation
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**Technology Department Chair: Carl Daniels** Email: [cdaniels@ccsnh.edu](mailto:cdaniels@ccsnh.edu) Phone: 603-524-3207 ext. 6624

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.

Graduates of the LRCCC associate's should consider discussing with the SPDI program advisor how additional LRCC courses can apply to SPDI electives.

LRCC	KSC
<i>AS Energy Services and Technology</i>	<i>SPDI Core Courses</i>
LELC 1240 AC/DC Theory	SPDI 110 Electricity and Electronics Fundamentals
	SPDI 152 Product Design I
	SPDI 180 Metal Processes and Prototyping
	SPDI 252 Product Design II
	SPDI 253 Materials: A Life-Cycle View
	SPDI 221 Three-dimensional CADD
	SPDI 352 Product Design III
	<i>Management Core Courses</i>
LBUS 2310 Principles of Management	MGT 101 Introduction to Management
	MGT 202 Quantitative Decision-making
	MGT 331 Principles of Marketing---OR--- MGT 446 Competitive Manufacturing Management
	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>
	<i>**8 credits plus 4 credits Integrative Studies</i>
LART 1250 3-D Design	<ul style="list-style-type: none"> <li>• IA Art 103 Three-dimensional Design</li> <li>• SAFE 204 Human Factors in Safety</li> </ul>
LMAT 1370 Technical Algebra & Geometry	<ul style="list-style-type: none"> <li>• Select at least one of the following: MATH 120 Applied Algebra and Trig MATH 130 Pre-calculus MATH 151 Calculus</li> </ul>
	<i>SPDI Capstone Course</i>
	SPDI 400 Manufacturing Enterprise

## APPENDIX H

### AAS Electrical Systems Installation & Maintenance to BS Sustainable Product Design & Innovation

AAS Electrical Systems Installation & Maintenance	<a href="http://www.lrcc.edu/esim/index.html">http://www.lrcc.edu/esim/index.html</a>	BS Sustainable Product Design and Innovation
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**Technology Department Chair: Carl Daniels** Email: [cdaniels@ccsnh.edu](mailto:cdaniels@ccsnh.edu) Phone: 603-524-3207 ext. 6624

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Graduates of the LRCCC associate's should consider discussing with the SPDI program advisor how additional LRCC courses can apply to SPDI electives.

LRCC	KSC
<i>AAS Electrical Systems Installation &amp; Maintenance</i>	<i>SPDI Core Courses</i>
LELC 1240 AC/DC Theory	SPDI 110 Electricity and Electronics Fundamentals
	SPDI 152 Product Design I
	SPDI 180 Metal Processes and Prototyping
	SPDI 252 Product Design II
	SPDI 253 Materials: A Life-Cycle View
	SPDI 221 Three-dimensional CADD
	SPDI 352 Product Design III
	<i>Management Core Courses</i>
LBUS 2310 Principles of Management	MGT 101 Introduction to Management
	MGT 202 Quantitative Decision-making
	MGT 331 Principles of Marketing---OR--- MMGT 446 Competitive Manufacturing

	Management
	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>
	<i>**8 credits plus 4 credits Integrative Studies</i>
LART 1250 3-D Design	<ul style="list-style-type: none"> <li>• IA Art 103 Three-dimensional Design</li> <li>• SAFE 204 Human Factors in Safety</li> </ul>
LMAT 1370 Technical Algebra & Geometry	<ul style="list-style-type: none"> <li>• Select at least one of the following: MATH 120 Applied Algebra and Trig MATH 130 Pre-calculus MATH 151 Calculus</li> </ul>
	<i>SPDI Capstone Course</i>
	SPDI 400 Manufacturing Enterprise

## APPENDIX I

### AAS Electrical Power & Control Technologies to BS Sustainable Product Design & Innovation

AAS Electrical Power and Control Technologies	<a href="http://www.lrccc.edu/esim/index.html">http://www.lrccc.edu/esim/index.html</a>	BS Sustainable Product Design and Innovation
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**Technology Department Chair: Carl Daniels** Email: [cdaniels@ccsnh.edu](mailto:cdaniels@ccsnh.edu) Phone: 603-524-3207 ext. 6624

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.

Graduates of the LRCCC associate's should consider discussing with the SPDI program advisor how additional LRCC courses can apply to SPDI electives

LRCC	KSC
<i>AAS Electrical Power and Control Technologies</i>	<i>SPDI Core Courses</i>
LELC 1240 AC/DC Theory	SPDI 110 Electricity and Electronics Fundamentals
	SPDI 152 Product Design I
	SPDI 180 Metal Processes and Prototyping

	SPDI 252 Product Design II
	SPDI 253 Materials: A Life-Cycle View
	SPDI 221 Three-dimensional CADD
	SPDI 352 Product Design III
	<i>Management Core Courses</i>
LBUS 2310 Principles of Management	MGT 101 Introduction to Management
	MGT 202 Quantitative Decision-making
	MGT 331 Principles of Marketing---OR--- MMGT 446 Competitive Manufacturing Management
	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>
	<i>**8 credits plus 4 credits Integrative Studies</i>
LART 1250 3-D Design	<ul style="list-style-type: none"> <li>IA Art 103 Three-dimensional Design</li> </ul>
	<ul style="list-style-type: none"> <li>SAFE 204 Human Factors in Safety</li> </ul>
LMAT 1370 Technical Algebra & Geometry	<ul style="list-style-type: none"> <li>Select at least one of the following: MATH 120 Applied Algebra and Trig MATH 130 Pre-calculus MATH 151 Calculus</li> </ul>
	<i>SPDI Capstone Course</i>
	SPDI 400 Manufacturing Enterprise

## APPENDIX J

### AS Fire Protection to BS Safety and Occupational Applied Health Science

AS Fire Protection	<a href="http://www.lrcc.edu/documents/2011-2012-LRCC-Catalog.pdf">http://www.lrcc.edu/documents/2011-2012-LRCC-Catalog.pdf</a>	BS Safety and Occupational Applied Health Sciences
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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.



LRCC	KSC
AS Fire Protection	Major Requirements
	<b>Core Courses</b>
	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
	<b>Safety Electives</b>
	Select four of the following (two must be 300 level or above)
LFIR 2255 Hazardous Material Chemistry LFIR 2550 Occupational Health and Safety	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
	<b>Allied Requirements</b>
LBUS 2310 Principles of Management	MGT 101 Intro to Management
LBUS 2410 Human Resource Management	MGT 324 Human Resource Management
LSCI 1360 Principles of Chemistry	INCHEM 103 Fundamentals of Chemistry
	<b>Safety Capstone</b>
	SAFE 497 Innovative Safety Leadership
	<b>Internships</b>
	SAFE 200 Safety Internship (2-8 credits)
	SAFE 400 Adv Safety Internship (2-8 credits)

## APPENDIX K - General Education and Integrative Studies Program Equivalencies

### Lakes Region Community College

LRCC Requirements – 24 credit minimum

#### 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

<b>LRCC General Education</b>	<b>KSC ISP</b>
English Composition LENG 1200	ITW 101
Mathematics LMAT 2150	IQL 101
Fine Arts LHUM 1600 LHUM 1610 LENG 2300, LMMA 1200 any LGRA LART 1100, 1200, 1250, 1300, 1400 1450	IA (minimum 4 credits [one course], maximum 8 credits [2 courses] to meet ISP requirements)
Literature/Communication Humanities/Foreign Language Any LENG except 0900, 0951, 0952, 0953, 1200, 1204, 1220, 1230 Any LPHI, LPSA, LFRE, LHS LHUM 2000, 2500, 2520 Any LMMA except 1200, 2653	IH (minimum 8 credits [2 courses] maximum 12 credits [3 courses] to meet ISP requirements, in two different disciplines)
Science Any LSCI except 0950, 1290, 1310, 1500, 2610	IN (minimum 8 credits [2 courses] to meet ISP requirements in two different disciplines)
Social Science Any LPOL Any LPSY Any LSOC except 2250 LHUS 1260, 1300, 1310, 1450, 2210, 2280, 2300, 2320 LHUM 1310	IS (minimum 8 credits [2 courses] to meet ISP requirements in two different disciplines)
LHUM 2000, LHUS 1200, LSCI 1500	II (minimum 4 credits [1 course] to meet ISP requirements)

## APPENDIX L

### 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

LRCC	KSC
	KSC Major Requirements
	<b>Core Courses</b>
	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:
	<ul style="list-style-type: none"> <li>• AMST 390 Critical Approaches</li> <li>• AMST 490 Advanced Special Topics</li> </ul>
	<b>Area Courses</b>
	Select two courses from American History:
LHIS 1310 American History and Civilization I	<ul style="list-style-type: none"> <li>• HIST 261 US Social History I: 1603-1865</li> <li>• HIST 265 Military in US Society I</li> <li>• HIST 266 Military in US Society II</li> <li>• HIST 338 European Encounters in the New World</li> <li>• HIST 360 American Colonies until 1763</li> <li>• HIST 361 The American Revolution</li> <li>• HIST 362 Early American Republic 1789-1850</li> <li>• HIST 363 US in the Civil War Period: 1850-1876</li> <li>• HIST 364 19<sup>th</sup> Century America</li> <li>• HIST 365 Gilded Age and Progressive Era America</li> <li>• HIST 366 US in Crisis: 1920-1950</li> <li>• HIST 367 Modern America: 1950-Present</li> </ul>
LHIS 2250 History of the Twentieth Century	Select <b>one</b> course in American literature:
	<ul style="list-style-type: none"> <li>• ENG 280 Cultural Studies</li> <li>• ENG 341 Early American Literature</li> <li>• ENG 344 Studies in American Literature</li> <li>• ENG 345 Studies in African-American Literature</li> <li>• ENG 346 Transcendentalism</li> <li>• ENG 347 Modern American Indian Literature</li> <li>• ENG 370 Studies in Literature of the Americas</li> </ul>
	Select <b>two</b> courses from Arts & Humanities and/or Social Sciences
LART 2350 20 <sup>th</sup> Century Art	<ul style="list-style-type: none"> <li>• ART 214 Modern Art</li> <li>• IHAMST 248 Cultures of Plains Indians</li> <li>• ECON 455 US Economic History</li> </ul>
LENG 2230 Survey of America Literature	<ul style="list-style-type: none"> <li>• IHENG 240 Readings in American Literature</li> <li>• IENG 245 African American Literature and Culture</li> <li>• IIFR 240 Franco-American Women's</li> </ul>

	Voices
	• IAMU 112 Latin American Music
	• IAMU 216 History of Rock and Roll
	• MU 218 History of Jazz
	• IAMU 242 Listening to America
	• PHIL 304 American Philosophy
	• ISPOSC 210 US Politics
	• ISPOSC 211 US: State and Local Politics
	• POSC 316 Constitutional Law
	• POSC 321 Foreign Policy and Globalization
	• CJS 101 Introduction to Criminal Justice
LSOC 2350 Children, Youth, and Families	• SOC 345 Sociology of Families
	• SOC 270 Urban Society
	• SOC Sociology of Health and Medicine
	• SOC 475 Social Stratification
	• 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

LRCC	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
	INMET 225 Meteorology
LSCI 1360 Principles of Chemistry	INCHEM 111 General Chemistry I & Lab
LSCI 1380 General Chemistry I	CHEM 112 General Chemistry II & Lab
LSCI 220 College Physics I	INPHYS 141 College Physics I
	BIO 111 Evolution
LMAT 2160 Statistics	MATH 141 Statistics
	Select <b>one</b> of the following:
LSCI 1040 Astronomy and Space	• INASTR 107 Introduction to Astronomy
	• ASTR 307 University Astronomy

	Select <b>one</b> of the following:
LMAT 2110 College Algebra	• MATH 120 Applied Algebra and Trigonometry
LMAT 2350 Pre-calculus	• MATH 130 Precalculus
LMAT 2700 Calculus I	• 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.

LRCC	KSC
	KSC Major Requirements
	<b>Core Courses</b>
	IHPHIL 100 Logical Argumentation
	Select one of the following:
LMAT 2160 Statistics	MATH 141 Introductory Statistics
	PSYC 251 Psychological Statistics
LSOC 2310 Microeconomics	ECON 103 Introduction to Microeconomics
LSOC 2320 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
	<b>Economics Electives</b>
	12 credits of 300- or 400-level Economics courses

### BA General Science

The B.A. in General Science provides a broad-based foundation in three major areas: Earth/Space Science, Life Science, and Physical Science. This major would provide general science knowledge for working in science museums, zoos, science camps, or state or national parks.

LRCC	KSC
	Major Requirements
LSCI 1040 Astronomy and Space	INASTR 101 Introduction to Astronomy
	BIO 110 Molecules and Cells
	BIO 111 Evolution
LSCI 1600 Introduction to Geology	INGEOL 151 Physical Geology
	GEOL 206 Oceanography
	INMET 225 Meteorology
	Select one course:

LMAT 2110 College Algebra	MATH 120 Applied Algebra and Trigonometry
LMAT 2350 Pre-calculus	MATH 130 Precalculus
LMAT 2700 Calculus I	MATH 151 Calculus I
	Bachelor of Arts Requirements
LMAT 2160 Statistics	MATH 141 Introductory Statistics
	BIO 210 Ecology
LSCI 1380 General Chemistry I	INCHEM 111 General Chemistry I
LSCI 1390 General Chemistry II	CHEM 112 General Chemistry II
	CHEM 221 Organic Chemistry I
	CHEM 222 Organic Chemistry II
	GEOL 252 Evolution of the Earth
LSCI 220 College Physics I	INPHYS 141 College Physics I
LSCI 2210 College Physics II	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*

LRCC	KSC
	Major Requirements
LSCI 1040 Astronomy and Space	INASTR 101 Introduction to Astronomy
	BIO 110 Molecules and Cells
	BIO 111 Evolution
LSCI 1600 Introduction to Geology	INGEOL 151 Physical Geology
	GEOL 206 Oceanography
	INMET 225 Meteorology
	Select one course:
LMAT 2110 College Algebra	MATH 120 Applied Algebra and Trigonometry
LMAT 2350 Pre-calculus	MATH 130 Precalculus
LMAT 2700 Calculus	MATH 151 Calculus I
	Elementary or Early Childhood Option

LSCI 1360 Principles of Chemistry	INCHEM 103 Fundamentals of Chemistry
	INPHYS 201 Phenomenal Science
	GM 301 The Web of Science
	Also select <b>two</b> 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
LSCI 1380 General Chemistry I	INCHEM 111 General Chemistry I
LSCI 1390 General Chemistry II	CHEM 112 General Chemistry II
	BIO 210 Ecology
LMAT 2160 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 <b>one</b> of the following areas: Biology, Chemistry, Environmental Studies, or Geology.

### BA 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.

LRCC	KSC
	<b>Core Courses</b>
LSOC 1240 Introduction to Sociology	SOC 201 Introduction to Sociology Major
	SOC 301 Sociological Research Methods
	SOC 303 Sociological Quantitative Analysis
	SOC 305 Sociological Theory
	<b>KSC Major Requirements</b>

	Select one of the following:
LHUM 1310 Cultural Anthropology	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
LSOC 2280 Human Sexuality	SOC 455 The Body and Sexuality in Society <i>Credits for LSOC 2280 will be applied to the degree, but in addition, students must complete a 400-level Sociology course to meet the requirements for this major.</i>
	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
LSOC 1280 Chemical Dependency LSOC 2210 Organizational Behavior LSOC 2250 Critical Thinking and Decision Making	12 credits in sociology electives must be taken. Four credit hours of Anthropology courses can be used to satisfy this requirement

### Bachelor of Fine Arts (BFA): Graphic Design

The Bachelor of Fine Arts degree program is designed to provide students with an intensely comprehensive course of study consisting of a minimum of 72 credits in visual arts courses. The B.F.A. degree can lead directly to graduate study (M.F.A.) or to professional careers in the Graphic Design field. To be eligible for the B.F.A. degree, students must first be accepted into the B.A. program in Art.

Following acceptance into the Art Department, students are encouraged to select the B.F.A. option in Graphic Design. Students will consult with their advisor when submitting their Declaration of Major form.

**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.

LRCC	KSC
	<i>Foundation Core</i>
LART 1200 2-D Design LART 1250 3-D Design	ART 101 Foundations of Design or IAART 100
LART 1300 History of Art I <b>AND</b> LART 1350 History of Art II	ART 111 Introduction to Art History or IAART 110
LART 1100 Drawing I	ART 125 Drawing I or IAART 120
	<i>Graphic Design Option</i>
	100 level course



LGRA 1350 Introduction to Graphic design w/ Adobe Illustrator	ART 151 Technology Workshop
	200-level courses
LGRA 2230 Graphic Design I	ART 250 Graphic Design I
LGRA 2420 Digital Imaging with Photoshop	ART 253 Digital Imaging I
LGRA 1340 Typography and Layout with InDesign	ART 258 Typography I
	One 200-level Art History course
	One 200- or 300-level Studio Art course
	300-level courses
LART 2250 Printmaking	ART 333 Printmaking I
	ART 350 Graphic Design II
	ART 351 History of Graphic Design
LGRA 2250 Designing for the Web	ART 354 Web-based Media I
	ART 356 Time-based media I
	One 300-level Graphic Design course
	400-level courses
	ART 450 Graphic Design III
	Select a total of 8 credits from the following:
LGRA 2240 Publication Design	• ART 455 Topics in Graphic Design
	• ART 497 Graphic Design/Studio Internship
	ART 459 Graphic Design Portfolio

### **Bachelor of Fine Arts (BFA): Studio Art**

The Bachelor of Fine Arts degree program is designed to provide students with an intensely comprehensive course of study consisting of a minimum of 72 credits in visual arts courses. The B.F.A. degree can lead directly to graduate study (M.F.A.) or to professional careers in the Graphic Design field. To be eligible for the B.F.A. degree, students must first be accepted into the B.A. program in Art.

Students may apply to the Studio Art option or the Studio Art and Graphic Design dual option after completion of a minimum of 6 courses (24 credits) that must include the Foundation Core. Studio Art and Graphic Design dual option applicants must take ART 250 Graphic Design I and ART 258 Typography as part of the 24-credit minimum. Students are expected to have maintained a minimum cumulative GPA of 3.0 in those 6 courses. Acceptance to the program is based on an assessment of a portfolio of artwork from these courses. The portfolio, a written statement of personal educational goals, and an official transcript, must be submitted to the B.F.A. Studio Options Committee.

#### **Portfolio Criteria for B.F.A. in Studio Art**

1. Portfolios must consist of no fewer than 20 pieces of college-level artwork.
2. All work must be properly labeled with the following information:
  - a. Name
  - b. Medium
  - c. Size (slide and digital portfolios only)
  - d. Course title and date of execution

**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.

LRCC	KSC
	<b>Foundation Core</b>
LART 1200 2-D Design LART 1250 3-D Design	ART 101 Foundations of Design or IAART 100
LART 1300 History of Art I <b>AND</b> LART 1350 History of Art II	ART 111 Introduction to Art History or IAART 110
LART 1100 Drawing I	ART 125 Drawing I or IAART 120
	<b>Studio Art Option</b>
	200-level courses
LART 1450 The Clay Experience I	ART 208 Ceramics I
LART 1150 Drawing II	ART 225 Drawing II
LART 2400 Painting I	ART 226 Painting I
LART 2600 Sculpture	ART 244 Sculpture I
	ART 295 Sophomore Studio/Exhibit Practice
	Select <b>two</b> from the following:
	• ART 211 Ancient Art
	• ART 212 Medieval Art
	• ART 213 Renaissance Art
LART 2350 20 <sup>th</sup> Century Art	• ART 214 Modern Art
LART 2510 Issues In Contemporary Art	• ART 290 Topics in Art History
	• ART 492 Art History Seminar
	300-level courses
	ART 325 Drawing III
LART 2550 Printmaking	ART 333 Printmaking I
	Select <b>two</b> from the following:
LART 2450 The Clay Experience II	• ART 308 Ceramics II
LART 2700 Painting II	• ART 326 Painting II
	• ART 334 Printmaking II
	• ART 344 Sculpture II
	400-level courses
	ART 495 Senior Studio/Exhibit Practice
	ART 496 BFA Senior Studio
	Select <b>two</b> from the following:
	• ART 408 Ceramics III
	• ART 426 Painting III
	• ART 490 Advance Studio Topics

### **Bachelor of Fine Arts (BFA): Studio Arts and Graphic Design Dual Option**

The Bachelor of Fine Arts degree program is designed to provide students with an intensely comprehensive course of study consisting of a minimum of 72 credits in visual arts courses. The B.F.A. degree can lead directly to graduate study (M.F.A.) or to professional careers in the Graphic Design field. To be eligible for the B.F.A. degree, students must first be accepted into the B.A. program in Art.

Students may apply to the Studio Art option after completion of a minimum of 6 courses (24 credits) that must include the Foundation Core. Studio Art and Graphic Design dual option applicants must take ART 250 Graphic Design I and ART 258 Typography as part of the 24-credit minimum. Students are expected to have maintained a minimum cumulative GPA of 3.0 in those 6 courses. Acceptance to the program is based on an assessment of a portfolio of artwork from these courses. The portfolio, a written statement of personal educational goals, and an official transcript, must be submitted to the B.F.A. Studio Options Committee.

### Portfolio Criteria for B.F.A. in Studio Art and Graphic Design Dual Options

3. Portfolios must consist of no fewer than 20 pieces of college-level artwork.
4. All work must be properly labeled with the following information:
  - a. Name
  - b. Medium
  - c. Size (slide and digital portfolios only)
  - d. Course title and date of execution

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.

LRCC	KSC
	Foundation Core
LART 1200 2-D Design LART 1250 3-D Design	ART 101 Foundations of Design or IAART 100
LART 1300 History of Art I <b>AND</b> LART 1350 History of Art II	ART 111 Introduction to Art History or IAART 110
LART 1100 Drawing I	ART 125 Drawing I or IAART 120
	<b>Studio Art and Graphic Design Dual Options</b>
	100-level course
LGRA 1350 Introduction to Graphic design w/ Adobe Illustrator	ART 151 Technology Workshop
	200-level courses
LGRA 2230 Graphic Design I	ART 250 Graphic Design I
LGRA 2420 Digital Imaging with Photoshop	ART 253 Digital Imaging I
LGRA 1340 Typography and Layout with InDesign	ART 258 Typography I
LART 2650 Senior Portfolio	ART 295 Sophomore Studio/Exhibit Practice
	Select <b>three</b> from the following:
LART 1450 The Clay Experience I	• ART 208 Ceramics I
LART 1150 Drawing II	• ART 225 Drawing II
LART 2400 Painting I	• ART 226 Painting I
LART 2600 Sculpture	• ART 244 Sculpture I
	Select <b>one</b> from the following:
	• ART 211 Ancient Art
	• ART 212 Medieval Art
	• ART 213 Renaissance Art
LART 2350 20 <sup>th</sup> Century Art	• ART 214 Modern Art

LART 2510 Issues In Contemporary Art	<ul style="list-style-type: none"> <li>ART 290 Topics in Art History</li> <li>ART 492 Art History Seminar</li> </ul>
	300-level courses
LART 2550 Printmaking	ART 333 Printmaking I
	ART 350 Graphic Design II
LGRA 2250 Designing for the Web	ART 354 Web-Based Media I
	ART 356 Time-Based Media I
	Select <b>one</b> from the following:
LART 2450 The Clay Experience II	<ul style="list-style-type: none"> <li>ART 308 Ceramics II</li> <li>ART 325 Drawing III</li> <li>ART 326 Painting II</li> <li>ART 334 Printmaking II</li> <li>ART 344 Sculpture II</li> </ul>
	400-level courses
	ART 495 Senior Studio/Exhibit Practice
	ART 496 BFA Senior Studio
	ART 459 Graphic Design Portfolio

### 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.

LRCC	KSC
	<b>Integrative Studies Requirements</b>
LSCI 1380 General Chemistry I	INCHEM 111 General Chemistry I
LSCI 1390 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"> <li>Select from one of the following:</li> </ul>
	CHEM 321 Organic Chemistry III
	CHEM 333 Medicinal Chemistry
	CHEM 373 Polymer Chemistry
	<b>Related Field</b>
LMAT 2160 Statistics	MATH 141 Introductory Statistics
LMAT 2700 Calculus I	MATH 151 Calculus I
LMAT 2700 Calculus II	MATH 152 Calculus II
	<ul style="list-style-type: none"> <li>Select one <b>PAIR</b> from the following:</li> </ul>
LSCI 2200 College Physics I <b>and</b>	INPHYS 141 College Physics I <b>and</b> PHYS 142

LSCI 2210 College Physics II	College Physics II
	INPHYS 241 University Physics I and PHYS 242 University Physics 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.

LRCC	KSC
LEDU 1200 Foundations of Education	EDUC 100 Issues in Education
LEDU 1450 Planning for Diverse Learners	EDUC 231 Curriculum for a Diverse World
	EDUC 331 Secondary Methods I
	EDUC 332 Secondary Classroom Management
LEDU 1300 Introduction to Exceptionalities LEDU 2040 Special Education Behavior Methods and Teaching Strategies	EDSP 333 Secondary Special Education Issues
	EDUC 431 Secondary Methods
	EDUC 432 Education Theories/Trends
	EDUC 400 Student Teaching

## 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

LRCC	KSC
	KSC Major Requirements
	Core Courses
	HLSC 101 Health and Wellness
	HLSC 285 Health in Society
	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"> <li>• HLSC 494 Health Science Capstone</li> <li>• HLSC 495 seminar: Health Science Research</li> </ul>
	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
LSCI 1290 Nutrition for Health and Fitness <b>AND</b> LSCI 1310 Nutrition for Health and Fitness Lab	HLSC 214 Nutrition Fundamentals
	HLSC 365 Exercise Science and Application
	Allied Discipline Requirements
LSCI 1450 Anatomy & Physiology I	BIO 230 Human Anatomy & Physiology w/ lab
LSCI 1460 Anatomy & Physiology II	BIO 232 Human Anatomy & Physiology w/ lab
LSCI 1360 Principles of Chemistry <b>OR</b> LSCI 1380 General Chemistry I	INCHEM 100 Introduction to Chemistry <i>Credits for LSCI 1360 and 1380 will be accepted. This course meets the Chemistry requirement for the major.</i>
LENG 2600 Public Speaking	IHCOMM 171 Public Speaking
LPSY 1250 Introduction to Psychology	PSYCH 101 General Psychology
	Community Health Specialization Requirements
	HSLC 305 Epidemiology in Health Science
	Select one:
LMAT 2160 Statistics	<ul style="list-style-type: none"> <li>• MATH 141 Introductory Statistics</li> <li>• MATH 142 Applied Statistics</li> </ul>

	Behavior and Health Specialization Requirements
	Select one:
LPSY 1260 Human Growth & Development	• HLSC 318 Nutrition throughout Lifespan
LPSY 1260 Human Growth & Development	• PSYC 311 Child and Adolescent Psychology
LPSY 1260 Human Growth & Development <b>OR</b> LHUS 1300 Gerontology <b>OR</b> LHUS 1310 Psychosocial Aspects of Aging <b>OR</b> LHUS 2300 The Aging Process	• PSYC 314 Adulthood and Aging
	• HLSC 330 Health Psychology
	• PSYC 221 Social Psychology
	• PSYC 242 Personality
	• PSYC 253 Brain and Behavior
PSY 2200 Abnormal Psychology	• PSYC 345 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, INHLSC 175 will replace all the following courses:

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

LRCC	KSC
	KSC Major Requirements
	Core Courses
	HLSC 101 Health and Wellness
	HLSC 285 Health in Society
LSOC 1280 Chemical Dependency	HLSC 380 Addiction: Theory, Research, and Practice
	HLSC 385 Behavior Change Facilitation
	HLSC 485 Health Promotion Practice
	Select one of the following:
	• 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"> <li>• HLSC 101 Health and Wellness</li> <li>• HLSC 125 Nutrition and the Profession</li> <li>• INCHEM 103 Fundamentals of Chemistry</li> </ul> <p>For transfer students, equivalent transferred courses may be considered if approved by the Admissions Committee.</p>
	<b>Required for admission consideration</b>
	HLSC 101 Health and Wellness
LSCI 1290 Nutrition for Health and Fitness <b>AND</b> LSCI 1310 Nutrition for Health and Fitness Lab	HLSC 125 Nutrition and the Profession
LSCI 1360 Principles of Chemistry <b>OR</b> LSCI 1380 General Chemistry I	INCHEM 103 Fundamentals of Chemistry <i>Credits for LSCI 1360 and 1380 will be accepted. This course meets the Chemistry requirement for the major.</i>
	<b>Nutrition Option requirements</b>
LSCI 1290 Nutrition for Health and Fitness <b>AND</b> LSCI 1310 Nutrition for Health and Fitness	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
	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
	<b>Allied Discipline Requirements</b>
LSCI 1450 Anatomy & Physiology I	BIO 230 Human Anatomy & Physiology I w/ lab
LSCI 1460 Anatomy & Physiology II	BIO 232 Human anatomy & Physiology II w/ lab
	BIO 240 Cell and Microbial Biology
LSCI 1360 Principles of Chemistry <b>OR</b> LSCI 1380 General Chemistry I	INCHEM 103 Fundamentals of Chemistry w/ lab <i>Credits for LSCI 1360 and 1380 will be accepted. This course meets the Chemistry requirement for the major.</i>
	CHEM 220 Fundamental Organic Chemistry w/ lab
LENG 2600 Public Speaking	IHCOMM 171 Public Speaking
LPSY 1250 introduction to Psychology	PSYC 101 General Psychology



## BS Health Science: Substance Abuse/Addictions

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

LRCC	KSC
	KSC Major Requirements
	Core Courses
	HLSC 101 Health and Wellness
	HLSC 285 Health in Society
	HLSC 380 Addiction: Theory, Research, and Practice
	HLSC 385 Behavior Change Facilitation
	HLSC 485 Health Promotion Practice
	Select one of the following:
	• 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 applied toward becoming a licensed or certified alcohol and drug abuse counselor or prevention specialist.
	<b>Admission Criteria:</b> 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.
	Substance Abuse/Addictions Requirements
LSOC 1280 Chemical Dependency	HLSC 200 Alcohol and Other Drugs: The Fundamentals
LSCI 1290 Nutrition for Health and Fitness <b>AND</b> LSCI 1310 Nutrition for Health and Fitness Lab	HLSC 214 Nutrition Fundamentals
	HLSC 365 Exercise Science and Application
	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:
	• HLSC 489 Drug Abuse Prevention
	• HLSC Advanced Drug Treatment Methods
	Allied Health Requirements
LENG 2600 Public Speaking	IHCOMM 171 Public Speaking
LPSY 1250 Introduction to Psychology	PSYC 101 General Psychology
LSCI 1450 Anatomy & Physiology I	BIO 230 Human Anatomy & Physiology I w/ lab
LSCI 1460 Anatomy & Physiology II	BIO 232 Human Anatomy & Physiology II w/ lab
LSCI 1360 Principles of Chemistry <b>OR</b> LSCI 1380 General Chemistry I	INCHEM 100 Introduction to Chemistry <i>Credits for LSCI 1360 and 1380 will be accepted. This course meets the Chemistry requirement for the major.</i>

### 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:

#### Criteria for admission into Exercise Science degree program

- 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

LRCC	KSC
	Allied Requirements
LSCI 1360 Principles of Chemistry	INCHEM 100 OR INCHEM 103 OR INCHEM 111
LSCI 1450 Anatomy & Physiology I	BIO 230 Human Anatomy & Physiology I
LSCI 1460 anatomy & Physiology II	BIO 232 Human Anatomy & Physiology II
LPSY 1250 Introduction to Psychology	ISPSYC 100 Topics in Psychology
	Exercise Science Option Requirements
	HLSC 101 Health and Wellness
Certificate Prerequisite: First Aid/CPR	PE 191 Standard First Aid/CPR (1 credit)
LMST 1120 Kinesiology	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
LSCI 1290 Nutrition for Health & Fitness	PE 344 Sports Nutrition
LSCI 1310 Nutrition for Health & Fitness Lab	
	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:
	• <b>Health Specialization</b>
	HLSC 285 Health in Society
	Select one: HLSC 330 Health Psychology IIPE 310 Psychosocial Aspects of Sport
	HLSC 431 Stress Management
	• <b>Coaching Specialization</b>
	PE 210 Introduction to Coaching
	Select one: MGT 260 Sports Management IIPE 310 Psychosocial Aspects of Sport
	PE 371 Coaching Practicum

## 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

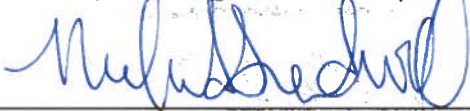
IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective signatory officials thereunto duly authorized as of the day and year first above written.

  
\_\_\_\_\_  
Dr. Helen Giles-Gee  
President, Keene State College


6/28/12  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Dr. Scott Kalicki  
President, Lakes Region Community College

6/15/2012  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Melinda D. Treadwell  
Provost and Vice President of Academic Affairs  
Keene State College

6/27/12  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Thomas Goulette  
Vice President, Academic Affairs  
Lakes Region Community College

6.13.2012  
\_\_\_\_\_  
Date