

University Courses & Curricula Committee 2020-2021

January 20th, 2021
Zoom Host
12:45pm-2:45pm

Call to Order 12:45pm

- Welcome from Chair Wendy Krause
- Remarks and Updates from OUCCAS/DASA & Fall Report
- Approval of UCCC November 18th, 2020 Minutes
- Course and Curricular Business

New Business

Consent Agenda		
Action	Type	Notes
CHE 452 / 552 Bimolecular Engineering	Minor	Revisions: Contact Hours, Corequisites
CSC 499 Independent Research in Computer Science	Minor	Revisions: Offering, Catalogue Description,
MAE 451 Experimental Aerodynamics III	Minor	Revisions: Catalogue Description
ST 437 / ST 537 Applied Multivariate and Longitudinal Data Analysis	Minor	Revisions: CIP number, Offering, Grading Method,
TT 331 Performance Evaluation of Textile Materials	Minor	Revisions: Prerequisites
14CHE946R Chemical Engineering BS: Green Chemistry and Engineering Concentration	Drop	Drop Subplan
16HISTBA History BA	Minor	Revisions: Correcting footnotes
16HISTBA-HISTTED History BA - Teacher Education Conc.	Minor	Revisions: Correcting footnotes
16PHIM Philosophy Minor	Minor	Revisions: Updating course-level requirements
16PSM Political Science Minor	Minor	Revisions: Adding/Removing Courses
16PSBA Political Science BA	Minor	Revisions: Adding/Removing Courses
16PSBA-16PSAM Political Science BA – American Politics Concentration	Minor	Revisions: Adding/Removing Courses
16PSBA-16PSLJ Political Science BA – Law and Justice Concentration	Minor	Revisions: Adding Courses
16PSBA-16PSPUB Political Science BA – Public Policy Concentration	Minor	Revisions: Adding/Removing Courses
16PSBA-16PSINT Political Science BA – Comparative and International Politics Concentration	Minor	Revisions: Adding/Removing Courses
17MBIOBS Microbiology BS (all concentrations)	Minor	Revisions: Remove BIO 351 (impacts all concentrations)

College of Agriculture and Life Sciences			
Presenter	Reviewers	Action	Type
Merrill	Kuzenski, Domingue, Rucker	AEC 409/509: Ecology and Conservation of Freshwater Invertebrates	Revisions: Prefix, Dual/Cross-listing, Title, Abbreviation, Academic Org, CIP number, Hours, Catalogue Description, SLO

College of Design			
Presenter	Reviewers	Action	Type
Schaffer	Harrington, Roise, Muse	ARC 250 Fundamentals of Architectural Visualization	New Course

College of Humanities and Social Sciences			
Presenter	Reviewers	Action	Type
Driscoll	Hergeth, Reynolds, Duggins	FL 210 Global Literature and Culture	New Course

Driscoll	Zagacki, Rabasco, Hergeth	FL 427 / ECI 427 / ECI 527 / FL 527 Methods and Materials in Teaching English as a Second Language	Revisions: Offering, Delivery, Grading Method, Student Eval, Additional Comments
Driscoll	Walsh, Pratt Phillips, Schaffer	HI 376 Global Migrations	New Course
Knowles	Hessling, Reynolds, Merrill	IS 498 Independent Study in International Studies	New Course
Knowles	Roise, Seracino, Muse	SOC 320 Survey Design	New Course

College of Engineering			
Presenter	Reviewers	Action	Type
Seracino	Hessling, Schaffer, Knowles	CSC 226 Discrete Mathematics for Computer Scientists	Revisions: Offering, Delivery, Course Length, Contact Hours, DELTA, Prerequisites, Catalogue Description, SLO, Student Eval
Seracino	Merrill, Driscoll, Duggins	CSC 230 C and Software Tools	Revisions: Delivery, Course Length, Contact Hours, DELTA, Prerequisites, Catalogue Description, SLO, Student Eval
Seracino	Domingue, Rucker, Roise	CSC 246 Concepts and Facilities of Operating Systems for Computer Scientists	Revisions: Abbreviated Title, Offering, Delivery, DELTA, Prerequisites, Catalogue Description, SLO, Student Eval
Seracino	Harrington, Pratt Phillips, Knowles	CSC 326 Software Engineering	Revisions: Contact Hours, Prerequisites, SLO, Student Eval,
Seracino	Zagacki, Hergeth, Rucker	CSC 422 / CSC 522 Automated Learning and Data Analysis	Revisions: Offering, Delivery, Grading Method, Course Length, Contact Hours, Prerequisites, Catalogue Description, SLO, Student Eval
Seracino	Muse, Kuzenski, Walsh	CSC 447 Introduction to Cloud Computing	New Course
Seracino	Knowles, Merrill, Roise	CSC 481 / CSC 581 Game Engine Foundations	Revisions: Dual-level Course, Offering, Delivery, Course Length, Contact Hours, Prerequisites/Requisites, Catalogue Description, SLO, Student Eval
Reynolds	Hessling, Zagacki, Driscoll	CSC 498 Independent Study in Computer Science	New Course
Reynolds	Merrill, Walsh, Pratt Phillips	ISE 437 Data Analytics for Industrial Engineering	Revisions: Abbreviated Title, Prerequisites, SLO
Reynolds	Domingue, Muse, Rucker	ISE 441 Introduction to Simulation	Revisions: Abbreviated Title, Offering, Delivery, Length, Prerequisites, SLO, Student Eval
Reynolds	Kuzenski, Harrington, Hergeth	14CSCBS	Revisions
Reynolds	Driscoll, Walsh, Schaffer	14CSCBS – Games Concentration	Revisions
Reynolds	Hergeth, Knowles, Walsh	14CPM Computer Science Minor	Revisions: Updating SLO, Removing Course
Reynolds	Knowles, Merrill, Zagacki	Undergraduate Certificate in Computer Programming	Revisions: Updating SLO, Removing Course, Updating Contact Info

College of Sciences			
Presenter	Reviewers	Action	Type
Muse	Pratt Phillips, Knowles, Duggins	BIO 269 Research in the Life Sciences II: Guided Research	Revisions: Offering, Delivery, Length, Contact Hours, Catalogue Description, SLO, Student Eval
Muse	Harrington, Zagacki, Hessling	TOX 400 Undergraduate Seminar in Toxicology	New Course

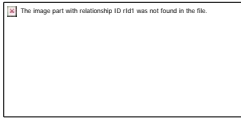
College of Textiles			
Presenter	Reviewers	Action	Type
Hergeth	Rucker, Kuzenski, Domingue	FTM 487 Human Resource Management and Leadership in the Textile and Fashion Industries	Revisions: Title, Abbreviation, Offering, Delivery, Course Length, Catalogue Description, SLO, Student Eval

SLO= Student Learning Outcomes

Discussion:

Notes:

- To view actions, please click on the hyperlink. You may need to use your Unity ID to log in.
- If you experience issues logging in, please go to <https://next-catalog.ncsu.edu/courseadmin/> and type the course prefix and number into the search bar.



Division of Academic and Student Affairs
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University Courses and Curricula Committee

November 18th, 2020
Hosted Via Zoom
Call to Order: 12:49 PM

Members Present:

Rudi Seracino (past chair), Andy Hale, Melissa Merrill, James Knowles, Catherine Driscoll, Kristen Schaffer, Peter Hessling, Kanton Reynolds, John Kuzenski, Joseph Roise, Spencer Muse, Jonathan Duggins, Renee Harrington, Peggy Domingue, Rob Rucker, Helmut Hergeth, Kenneth Zagacki, Jorden Rabasco,

Absent Members: Chair Wendy Krause, Thomas Walsh

Guests: Alison Turner, Cyndi Edington, Anne Auten, Jason DeRoise, Adam Scouse, Jillian Haeseler, Ronnie Chalmers

Ex-Officio Members Present: Li Marcus, Lexi Hergeth, Kyle Pyscher, Stephany Dunstan, John Harrington

WELCOME AND INTRODUCTIONS

- **Remarks from Chair** – Past chair Rudi Seracino opened the meeting.
- **Remarks from OUCCAS/DASA-** Li asked the guests to introduce themselves.
- **Approval of the Minutes from November 4th, 2020** – Approved
Discussion: Motion to approve by Joseph Roise, Approved with one correction to the attendance.
 -

OLD Business

- **ET/MEA 320 Fundamentals of Air pollution**–Approved
Discussion: The course was presented by Joseph Roise.

NEW BUSINESS

- **Consent Agenda** - Approved
Discussion: The consent agenda was moved to approve by member Helmut Hergeth.
- **13MTHEDBS-13MTHEDEMS Mathematics Education (BS)** – Two votes, 1)Computer Science concentration as well as the double degree- Approved Pending. 2) the remaining degree programs- Approved.
Discussion: The curricula action was presented by Peter Hessling. Reviewer brought attention to the computer science concentration has 123 credit hours, when the limit is 120 and asked if the documentation for exception has been filed. Member also ST 380 should be replaced by ST 370 in the footnotes for the same dual degree programs. Guest Cyndi Edington indicated that she will update this information, then provide the information about ST 380 being replaced by ST 370. Guest indicated they can work on the 123 for that computer science concentration. Li and Lexi suggested changing this to 120 since the exceptions to the
-Motion amended to approve pending the computer science specialization (123 credits) and the math education double degree should have the statistics courses replaced. These two will be approved pending while the rest will be approved.
- **FL/ ECI 436/536 Perspectives on English as a New Language** – Approved
Discussion: The course was presented by Catherine Driscoll. Member asked why the prefixes and dual level code is displayed in that way. Member explained this is because of the set up within CIM and the department.
*Member asked if the CIM record need to provide the information for both undergrad and graduate levels. Li explained that the graduate school doesn't need the student evaluation methods in the CIM form, which is why the grad eval methods are not displayed.
- **16ENGLBA English (BA) with multiple subplans** – Approved
Discussion: The curricula action was presented by Catherine Driscoll
- **16LIM Linguistics Minor** – Approved
Discussion: The curricula action was presented by Catherine Driscoll
- **16STM Science, Technology and Society Minor** – Approved
Discussion: The curricula action was presented by James Knowles

- **16TEFLM Teaching English as a Foreign Language Minor – Approved**
Discussion: The curricula action was presented by James Knowles.
- **16WCLM World Cultural Literacy Minor – Approved Pending**
Discussion: The curricula action was presented by James Knowles. A reviewer indicated the courses indicate that 15 credit hours are needed, however the bullet beneath could be confusing since they do meet that. Is the fourth bullet point an additional point (18 hours not 15)?
Motion to amend the motion approved, motion is now to approved pending clarifying the intent. In the requirement it says the minor is 15 hours, however, deleting the 'including' from the last bullet point, seems to indicate the last bullet point reflects 3 additional credit hours which would bring the total to 18. Either is fine, however we would like to know which was intended.
- **CSC 333 Automata, Grammars, and Computability – Approved**
Discussion: The course was presented by Kanton Reynolds.
- **CSC 486 Computational Visual Narrative – Approved Pending**
Discussion: The new course was presented by Kanton Reynolds as approved pending an update to the DRO statement to make it the most recent updated version. Member indicated the instructor should change the practicum in the syllabus, if they would like this to be a larger change. If this is not a lecture course the course will return for committee review, practicums have a different credit hour requirement.
*Li indicated the information in the quotations must be repeated verbatim for the DRO statement and indicated if the appropriate person is not able to access the dean's step to indicate that the syllabus has been reviewed by the college.
- **PSE/FB 476/576 – Approved**
Discussion: The course was presented by Joseph Roise and introduced the guest Adam Scouse. The guest as a new faculty member complimented the invitation of guests and the transparency of the process.
- **ACC 459 Analytics in Accounting and Finance – Approved Pending**
Discussion: The course was presented by John Kuzenski and introduced guest Jason DeRousie. Member asked if the instructor and department should update the student evaluation methods to ranges to future proof the course. Member asked if a final is required, the past chair provided information about the final project is the 'project' indicated in the evaluation methods.
Motion amended to approved pending ranges included in the student evaluation methods which the committee felt comfortable having OUCAS approve.
- **BUS / ACC 458 Analytics: From Data to Decisions – Approved**
Discussion: The course was presented by John Kuzenski
- **20ACCBS Accounting Concentrations – Approved (Action held for ACC 459)**
Discussion: The curricula action was presented by John Kuzenski. Guest explained some of these courses, such as ACC 459, are acceptable substitute courses. Member indicated the wording maybe a little confusing, but there was not a suggested/preferred wording.
- **HESM 332 Dance and Technology – Approved**
Discussion: The course was presented by Renee Harrington. Member indicated the grade percentages are not in ranges, and representative from the department indicated all classes are taught with these evaluation methods and therefore ranges are not needed.
- **HESS 279 Yoga I – Approved**
Discussion: The course was presented by Peggy Domingue. Member asked if this was a lab or a studio, and the instructor indicated it was previously approved as a lab.

Discussion:

Meeting adjourned: 1:53 PM.

Respectfully submitted by Lexi Hergeth

NC State Home

COVID-19

RESOURCES

Registration and Records: Degree Requirements

Agricultural Institute

Agriculture & Life Sciences

Design

Architecture (12ARCB)**Art and Design (12ADNB)****Design Studies (12DSBA)**

Business Administration

Concentration

Nonprofit Studies Concentration

**Environmental Design in
Architecture (12EDAB)****Graphic Design (12GDB)****Industrial Design (12IDB)**

Education

Engineering

Humanities & Social Sciences

Management

Natural Resources

Sciences

Textiles

Design Studies(12DSBA): 120 Total Units

Plan effective as of: Fall 2019

View Semester by Semester Plan

Writing and Speaking (10 Units)

ENG 101 Acad Writing Research (4 units: *C- or better*)

COM 110 - Public Speaking (3 units)

Advanced Writing (3 units)

Mathematical Sciences (3 Units)

MA 111 - Precalculus Algebra and Trigonometry (3 units)

Humanities and Foreign Language (9 Units)

Humanities HI (3 units)

Intermediate For Lang (6 units: *C- or better*)

Departmental Requirements (48 Units)

D 100 - Design Inquiry I: Methods and Processes (3 units: *C- or better*)ADN 281 - Drawing I (3 units: *C- or better*)

ADN 219 - Digital Imaging I (3 units)

ADN 292 (3 units) **Remove ADN 292**
Replace with DS 100

DS 200 - A Survey of Design Studies (3 units)

Design Foundations (3 units: *C- or better*)Art History Survey (6 units: *C- or better*)Design History (9 units: *C- or better*)

ADN 418 - Contemporary Issues in Art and Design (3 units)

DS 481 - Design Studies Senior Research Seminar (3 units)

DS 483 - Design Studies Capstone Research Paper (3 units)

ADN 490 - Art and Design International Studio (6 units)

Design Studies Advised Electiv (21 Units)

Application Unit (6 units)

Theory Unit (6 units)

History Unit (6 units)

Application, Theory, or Hist (3 units)

Advised Electives > 299 **[Verify Req]**

GEP Courses (27 Units)

Humanities Elective (3 units)

Social Sciences Elective (6 units)

GEP Mathematical Sciences (3 units)

GEP Natural Sciences (7 units)

Interdisc Perspectives (3 units)

Fitness & Wellness-HESF 100 Lv (1 units) *[S Allowed]*

Health & Exercise Studies (1 units) *[S Allowed]*

Additional Breadth Course (3 units)

GEP US Diversity **[Verify Req]**

GEP Global Knowledge **[Verify Req]**

Foreign Language Proficiency **[Verify Req]**

Free Electives (2 Units)

Free Electives [12 Hr S/U Lmt] (2 units) *[S Allowed]*

Total Units: 120

Courses, Curricula, and Academic Standards

(<https://oucc.dasa.ncsu.edu/>)

≡ MAIN MENU

Design Studies (BA) (12DSBA)

Freshman Year

FALL SEMESTER	CREDIT	SPRING SEMESTER	CREDIT
ENG 101 Acad Writing & Research ^H	4	GEP PE/Healthy Living course ^E	1
MA 111 Precalculus Algebra and Trigonometry ^{12,A}	3	GEP Mathematical Sciences Req. ^{A,12}	3
D 100 Design Thinking I ¹	3	DS 100 Design, Culture and Context ¹	3
Art History Survey ⁸	3	Art History Survey ⁸	3
ADN 281 Basic Drawing ³	3	COM 110 Public Speaking	3
		ADN 219 Digital Imaging ⁴	3
	16		16

Sophomore Year

FALL SEMESTER	CREDIT	SPRING SEMESTER	CREDIT
GEP PE/Healthy Living course ^E	1	GEP Interdisciplinary Perspectives requirement ^G	3

FALL SEMESTER	CREDIT	SPRING SEMESTER	CREDIT
GEP Social Science requirement ^D	3	Design History ⁹	3
DS 200 Survey of Design Studies ²	3	FL – Foreign Language ¹¹	3
Advanced Writing ¹³	3	GEP Humanities requirement ^C	3
History elective ^{10,C}	3	Design Foundations ³	3
FL – Foreign Language ¹¹	3		
	16		15

Junior Year

FALL SEMESTER	CREDIT	SPRING SEMESTER	CREDIT
Advised Design Studies Elective ¹⁵	3	GEP Natural Sciences requirement (w/lab) ^B	4
GEP Natural Sciences requirement ^B	3	Design History ⁹	3
GEP Social Science requirement ^D	3	Design Studies Elective ¹⁵	3
ADN 418 Contemporary Issues ¹⁴	3	Design Studies Elective ¹⁵	3
Free Elective	2		
	14		13

Summer

SUMMER SESSION	CREDIT
ADN 490 International Studio/Experience ⁵	6

Senior Year

FALL SEMESTER	CREDIT	SPRING SEMESTER	CREDIT
---------------	--------	-----------------	--------

FALL SEMESTER	CREDIT	SPRING SEMESTER	CREDIT
DS 481 Design Studies Senior Research Seminar ⁶	3	DS 483 Capstone Seminar ⁷	3
Design History ⁹	3	Design Studies Elective ¹⁵	3
Design Studies Elective ¹⁵	3	Design Studies Elective ¹⁵	3
Design Studies Elective ¹⁵	3	GEP Additional Breadth Requirement ^F	3
	12		12

Minimum Credit Hours Required for Graduation:

120*

Major/Program Footnotes:

Total requirements for graduation: 120 credit hours

Design Studies Critical Path: 75 credit hours

1. D 100 Design Thinking and DS100 Design, Culture, and Context are required in the first year of Design Studies.
2. DS 200 Survey of Design Studies is required.
3. ADN 281 Drawing 1 is required. In addition, one more course (3 credit hours) in Design Foundations is required and may be selected from the following: ADN 111, ADN 112, ADN 414.
4. ADN 219 Digital Imaging is required.
5. International Experience (6 credit hours) is required. This may be a Design Studio worth 6 credit hours (when available), or two 3-credit-hour advised electives.
6. Design Studies Senior Research Seminar is required. DS 481 – 3 hours.
7. Design Studies Capstone Seminar is required. DS 483 – 3 hours.
8. Two survey courses (6 credit hours) in Art History are required and may be selected from the following: HA 202, 203, 298, 310, 395; Art 221, 222 from Meredith College; or Art 151, 152 with Recitation Sections from UNC-CH.
9. Three courses (9 credit hours) in Design History are required and may be selected from the following: ADN 475, ARC 242, D 231, GD 203, GD 303, LAR 444, ID 244, ADN 492. **9a: add ADN 288**
10. Choose a History course (HI) from the GEP Humanities course list. **9b: ARC 242 should be ARC 241**
11. Design Studies requires 6 credit hours of FL beyond FL 102 and may be selected from different language courses at the 200 level or above.
12. MA 111 is recommended. Choose an additional MA course from the GEP Mathematical Sciences course list.
13. Advanced Writing (3 credit hours) select one: ENG 201, 214, 215, 287, 288, 292, 301, 316, 323, 325

14. ADN 418 Contemporary Issues in Art and Design is required in the junior year.

Major Advised Design Studies Electives:

15. A total number of 24 credit hours of “advised” design studies electives are required when pursuing the Design Studies curriculum. These electives are divided into three units: Application, History and Theory. From each of these units a minimum of two courses (6 credit hours) and a maximum of three courses (9 credit hours) can be selected. 6 credit hours must be at the 300 level or higher.

***General Education Program (GEP) requirements and GEP Footnotes**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied. University approved GEP course lists for each of the following units can be found at <http://oucc.dasa.ncsu.edu/general-education-program/> (<http://oucc.dasa.ncsu.edu/general-education-program/>).

A. Mathematical Sciences (6 credit hours – *Includes MA 111 one course from the University approved GEP Mathematical Sciences course list*).

B. Natural Sciences (7 credit hours – include one laboratory course or course with a lab) Choose from the University approved GEP Natural Sciences course list .

C. Humanities (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Humanities course list . The History elective in the major requirements fulfills 3 hours of this requirement.

D. Social Sciences (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Social Sciences course list .

E. Health & Exercise Studies (2 credit hours – at least one 100-level Health & Exercise Course)
Choose from the University approved GEP Health & Exercise Studies course list.

F. Additional Breadth – (3 credit hours to be selected from the following University approved GEP course lists)
Choose a course from the GEP Mathematical Sciences or Natural Sciences course list.

G. Interdisciplinary Perspectives (3 credit hours) Satisfied by courses taken as part of the major requirements.

H. Introduction to Writing (4 credit hours satisfied by completing ENG 101 with a C- or better)

The following **Co-Requisites** must be satisfied to complete the General Education Program requirements

I. U.S. Diversity (USD) Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. Only one course that satisfies this co-requisite is required.

J. Global Knowledge (GK) Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. Only one course that satisfies this co-requisite is required.

K. Foreign Language proficiency – Proficiency at the FL_102 level is required for graduation.
Design Studies requires 6 credit hours of FL beyond FL 102.

PRINTER FRIENDLY VERSION (<https://oucc.dasa.ncsu.edu/wp-content/uploads/sites/16/2019/03/Design-Studies-BA-12DSBA.pdf>)

Courses, Curricula, and Academic Standards

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Routing for On-Campus Approval of Other Degree Program Actions**Type of Action:** Enter "X" for Action Type(s) and list Title and Prefix(s) as indicated☐ New Certificate Program

Proposed Certificate Program Title: _____

☐ Change in Degree Program Title

Current Degree Program Title: _____

Proposed Degree Program Title: _____

☐ Change in Certificate Program Title

Current Certificate Program Title: _____

Proposed Certificate Program Title: _____

☒ Program Discontinuation☐ Change in CIP Code☐ Adding/Changing Delivery ModeProposed Effective Date: 1/1/2021 Program Contact: Lisa BullardProposed CIP Code (see <https://nces.ed.gov/ipeds/cipcode/default.aspx?y=55>): _____**Routing of Action:** Indicate date when the following occurs**Completed Proposal**

9/25/2020 Department Head endorses*

_____ College Curriculum Committee (undergraduate or graduate) recommends*

_____ College Dean endorses*

Proposal moves to Undergraduate or Graduate office for routing

_____ Recommended by Vice Provost, DELTA, if applicable*

_____ Associate Deans Council **or** Graduate Operations Council informed

_____ University Courses & Curriculum Committee **or** Administrative Board of the Graduate School recommends

_____ Dean (Graduate School or DASA) approves*

Proposal moves to the Executive Vice Chancellor and Provost's office for routing

_____ Substantive Change Review Team (SCRT) makes initial determination of likelihood of SACSCOC notification

_____ Council of Deans recommends*

_____ Executive Vice Chancellor and Provost approves*

_____ Chancellor's Cabinet recommend

_____ Chancellor approves*

_____ Vice Provosts informed

_____ University Council informed

_____ Board of Trustees subcommittees recommend

_____ Submitted to UNC System Office by Provost's Office

_____ Letter sent to SACSCOC after final System approval, if applicable

* Signature is required on the signature page for the action

Routing for DASA or Graduate School Approval of Other Degree Program Actions

Type of Action: Enter "X" for Action Type(s) and list Title and Prefix(s) as indicated

_____ New Minor / Concentration
Proposed Minor / Concentration Title _____

_____ Change in Minor / Concentration Title
Current Minor / Concentration Title: _____
Proposed Minor / Concentration Title: _____

_____ Change in Curricular/Program Requirements

Proposed Effective Date: _____ Program Contact: _____

Proposed CIP Code (see <https://nces.ed.gov/ipeds/cipcode/default.aspx?y=55>): _____

Routing of Action: Indicate date when the following occurs

Completed Proposal

_____ Department Head endorses*
_____ College Curriculum Committee (undergraduate or graduate) recommends*
_____ College Dean endorses*

Proposal moves to Undergraduate or Graduate office for routing

_____ Recommended by Vice Provost, DELTA, if applies*
_____ Associate Deans Council **or** Graduate Operations Council informed
_____ University Courses & Curriculum Committee **or** Administrative Board of the Graduate
School recommends
_____ Dean (Graduate School or DASA) approves*

* Signature is required on the signature page for the action

North Carolina State University
Routing for DASA or Graduate School Approval of Other Degree Program Actions

This request has been reviewed and approved by the appropriate campus committees and authorities.

Completed Proposal
Endorsed By:

	Date
--	------

Recommended By:

	Date
--	------

Endorsed By:

	Date
--	------

Proposal moves to Undergraduate or Graduate office for routing
Recommended By:

	Date
--	------

Recommended By:

	Date
--	------

Approved By:

	Date
--	------

Dean, DASA or the Graduate School

North Carolina State University
Routing for On-Campus Approval of Other Degree Program Actions

This request has been reviewed and approved by the appropriate campus committees and authorities.

Endorsed By:

Peter Fickner

9/25/2020

Head, Department/Program

Date

Recommended By:

David W. Parish

12 Nov 2020

Chair, College Curriculum Committee

Date

Endorsed By:

Jerome P. Favelle

11-24-2020

College Dean

Date

Recommended By:

Vice Provost, DELTA (if DE degree/certificate)

Date

Recommended By:

Chair, UCCC or ABGS

Date

Approved By:

Dean, DASA or the Graduate School

Date

Recommended By:

Council of Deans

Date

Approved By:

Executive Vice Chancellor and Provost

Date

Approved By:

Chancellor

UNIVERSITY OF NORTH CAROLINA
REQUEST TO DISCONTINUE
A DEGREE PROGRAM, SITE OR DELIVERY MODE

Date: 9/25/2020

Constituent Institution: North Carolina State University

Is the program a joint degree program? Yes ☐ No ☒

Joint Partner campus _____

Title of Authorized Program: BS Chemical Engineering: Green Chemistry and Engineering concentration

Degree Abbreviation: 14CHE946R

CIP Code (6-digit): 14-0701 Level: B ☒ M ☐ I ☐ D ☐

CIP Code Title: Chemical Engineering

If the degree program has associated UNC Teacher Licensure Specialty Area Codes that, upon this discontinuation, should be attributed to a different degree program, then complete the following:

UNC Teacher Licensure Specialty Area Code (one per line; add as needed)	Degree Program to Receive Specialty Area Code		
	Title	Degree awarded	6-Digit CIP

Term of Proposed Discontinuation (when new students will no longer be admitted):

term Spring year 2021

1. What type of program discontinuation is being requested? (if b/c/d, one or more can be selected)

- a) ☐ **Discontinue - Permanent.** (While course offerings already shared across degree programs may continue, the program components will not become a significant or distinct component of another program. Degree program is discontinued in full in Academic Program Inventory (API), including any approved off-campus sites and alternate means of delivery; requires action of Board of Governors)

- b) _____ **Discontinue - Delivery.** Eliminate one or more delivery types and keep the program active.
- _____ On-campus delivery of program
 - _____ Online delivery of program
 - _____ Site-based delivery of program
 - _____ Instructor present (off-campus delivery)
 - _____ Instructor not present (site-based distance education)
- c) x **Discontinue - Consolidate.** Program components will become a significant or distinct component in another degree program (e.g. concentration/track).
- x Existing degree program (BOG approved)
 - Program title, degree, CIP BS Chemical Engineering: Sustainable Engineering, Energy, and the Environment
 - _____ New degree program (Request to Establish and BOG approval generally required)
 - Proposed program title, degree, CIP _____

If (b) is selected and sites are to be discontinued, please list them (add lines as needed).

Site #1

(address, city, county, state)

(date of site authorization by GA)

Site #2

(address, city, county, state)

(date of site authorization by GA)

Site #3

(address, city, county, state)

(date of site authorization by GA)

2. Explain why the program, site, or delivery mode is being discontinued.

The concentration was renamed in Spring 2013 as "Sustainable Engineering, Energy and the Environment" and slightly modified with regard to degree requirements, but with the same emphasis. The "Green Chemistry and Engineering" concentration was maintained in the system to allow any students currently enrolled to finish in that degree code.

- a. If the program, site or delivery mode addresses high priority needs, how will those needs be addressed by other programs? **N/A**
- b. Describe how affected parties (faculty, staff, students) will be informed of the impending closure and, where applicable, of any additional charges/expenses to students. **There are no students currently enrolled in that degree code, so no notifications are required.**

- c. Describe steps to be taken to allow students enrolled in the program, site or delivery mode to complete their courses of study. **N/A**

Discuss the reassignment of any faculty, staff and EHRA non-faculty, including number of each type of personnel to be reassigned. **There is no impact in faculty, staff, or EHRA non-faculty.**

3. Discuss the discontinuation of the employment of any faculty, staff and EHRA non-faculty, including number of each type of personnel to be discontinued. **N/A**
4. Discuss reallocation or reduction of costs resulting from each discontinuation(s), including specific amounts related to each discontinuation. **N/A**
5. Name, title, telephone, and e-mail of contact person for this notification of discontinuation: **N/A**

This request to discontinue a degree program, delivery mode, or site has been reviewed and approved by the appropriate institutional committees and authorities.

Signature of Chief Academic Officer: _____

Signature of Chief Academic Officer (Joint Campus partner) _____



Hope Ziglar <hziglar@ncsu.edu>

Re: memo to sign

1 message

David Zonderman <david_zonderman@ncsu.edu>

Wed, Oct 28, 2020 at 10:28 AM

To: William Kimler <kimler@ncsu.edu>, Hope Ziglar <hziglar@ncsu.edu>

Will--I am copying Hope Ziglar on this reply. Hope--does this email suffice for my signature on the form? If so, then you have my approval. If not, let me know, I will be in the office on Friday and can physically sign the form and scan it over to you--I do not have scanning capabilities at my home. Stay well....DZ

On Tue, Oct 27, 2020 at 4:59 PM William Kimler <kimler@ncsu.edu> wrote:

Hi. In advising we noticed an error in one of the displays for our degree. Rather than fix an oversight clerical error, we have to file some paperwork. This is the memo (I sent it to Hope Ziglar already to initiate the process). Attached is the standard routing approval signature page for actions. Please send it to Hope .

Yours in eternal bureaucracy,
W.

Dr. William Kimler
Associate Head & Director of Undergraduate Programs in History
Director, Jefferson Scholars
Alumni Distinguished Undergraduate Professor
Associate Professor of History

contact info:

kimler@ncsu.edu

919-513-2238

351 Withers Hall

Office hours: http://history.ncsu.edu/people/faculty_staff/kimler

--

David A. Zonderman
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david_zonderman@ncsu.edu

Uneasy Allies: Working for Labor Reform in Nineteenth-Century Boston
<http://www.umass.edu/umpress/title/uneasy-allies>

To: University Courses and Curriculum Committee
From: David Zonderman, Head, History
Subject: Correction of error in the History BA Semester-by-Semester display
Date: 27 October 2020

The Department of History seeks approval to correct the Semester-by-Semester display for the BA in History. When we revised the degree recently to require 12 instead of 15 hours of 400-level HI/HA courses, we overlooked the footnote that includes the required number of hours. The proposed change aligns the display with the degree requirements.

History BA (16HISTBA)

Current display (<https://oucc.dasa.ncsu.edu/chass-16histba-nosubplan-2191/>)

12. Major Residency Requirement: Minimum of 18 hours of history at NC State. Fifteen(15) of the 18 hours must be at the 400 level and must include at least one 491 seminar.

Proposed display

12. Major Residency Requirement: Minimum of 18 hours of history at NC State. Twelve (12) of the 18 hours must be at the 400 level and must include at least one 491 seminar.

History BA-Teacher Education (16HISTBA-16HISTTED)

Current display (<https://oucc.dasa.ncsu.edu/chass-16histba-16histted-2097/>)

14. Major Residency Requirement: Minimum of 18 hours of history at NC State. Fifteen(15) of the 18 hours must be at the 400 level and must include at least one 491 seminar.

Proposed display

14. Major Residency Requirement: Minimum of 18 hours of history at NC State. Twelve (12) of the 18 hours must be at the 400 level and must include at least one 491 seminar.

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Indicate display status: Current: **Proposed: X**Proposed Effective Semester: **2208**Degree/Plan Title: **BA/History**

Concentration/Subplan Title: no sub-plan

Plan SIS Code: **16HISTBA**

Subplan SIS Code:

New Degree Audit required? (Y or N) **N**

Critical Path Courses - Identify using the code (CP) which courses are considered critical path courses that represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ENG 101 Academic Writing & Research ^H	4	History II & History Breadth ²	3
Foreign Language 201 ^{K, 8}	3	Arts & Letters ⁶	3
History I & History Breadth ^{C, 1}	3	GEP Mathematics ^A	3
Social Science ^{D, 7}	3	Social Science ^{D, 7}	3
GEP Mathematics ^A	3	GEP HES_ *** Health & Exercise Studies ^E	1
GEP HES_ 1** Fitness & Wellness ^E	1		
	Total:17		Total:13
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
HI 300 Sophomore Seminar in History	3	History I & History Breadth (GRP A) ¹	3
Literature I ³	3	Literature II ⁴	3
Social Science ⁷	3	GEP Natural Science w/ Lab ^B	4
Free Elective ⁹	6	Philosophy ^{C, 5}	3
		Free Elective ⁹	3
	Total:15		Total:16
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
History II & History Breadth (GRP B) ²	3	HI or HA 3**/4** Elective ¹⁰	3
GEP Natural Science ^B	3	HI or HA 3**/4** Elective ¹⁰	3
Social Science ⁷	3	Free Elective ⁹	9
HI or HA 3**/4** Elective ¹⁰	3		
Free Elective ⁹	3		
	Total:15		Total:15
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
HI or HA 4** Elective ¹¹	3	HI 491 Seminar in History	3
HI or HA 4** Elective ¹¹	3	HI or HA 4** Elective ¹¹	3
GEP Additional Breadth (MS/NS/E) ^F	3	GEP Interdisciplinary Perspectives ^G	2
GEP Interdisciplinary Perspectives ^G	3	Free Electives ⁹	6
Free Elective ⁹	3		
	Total:15		Total:14
Minimum Credit Hours Required for Graduation ^{*I, J, K, 12, 13} : 120			

Major/Program Footnotes: See https://www.acs.ncsu.edu/php/coursecat/degree_requirements.php for more information

1. **History I & History Breadth** One 3-credit course required from the College/Department approved History I course list; (a 200-level survey course covering a culture significantly different from our own, i.e., ancient or non-Western). One additional 3-credit course as follows; **GRP A:** If HSS History I requirement is met by a WORLD history course: one course at HI 2xx or HI 3xx level (excluding HI 300) in ASIA/AFRICA/LATIN AMERICA. If H&SS History I requirement is met by an ASIA/AFRICA/LATIN AMERICA course: one course at HI 2xx or HI 3xx level (excluding HI 300) in WORLD history. *Co-requisite:* At least 1 of the 4 HISTORY BREADTH courses (met by H&SS History GRP I & II and Department GRP A&B) must include subject matter before c. 1600 C.E./A.D.

2. **History II & History Breadth** One 3-credit course required from the College/Department approved History II course list; (a 200-level survey course covering our own or a similar culture, i.e., United States or other Western Culture). One additional 3-credit course as follows; **GRP B:** If HSS History II

requirement is met by a EUROPEAN history course: one course at 2xx or 3xx level (excluding HI 300) in AMERICAN history. If H&SS History II requirement is met by an AMERICAN history course: one course at 2xx or 3xx level (excluding HI 300) in EUROPEAN history. *Co-requisite:* At least 1 of the 4 HISTORY BREADTH courses (met by H&SS History GRP I & II and Department GRP A&B) must include subject matter before c. 1600 C.E./A.D.

3. **Literature I** One 3-credit hour course required from the College-approved Literature I list (a survey course covering literature outside the U.S. and prior to the 20th century)
4. **Literature II** One 3-credit hour course required from the College-approved Literature II list. (any course that meets the Literature I requirement; or a course in American or Twentieth Century Literature, or an upper division survey course or literature course in a period, genre, or major figure in English, a foreign language in English translation, or the original foreign language)
5. **Philosophy** Any PHI course on the approved GEP-Humanities list
6. **Arts and Letters** One 3-credit hour course is required from the College-approved Arts & Letters course list
7. **Social Sciences** Twelve (12) credit hours, selected from College-approved list, required from three different disciplines, six (6) must be on GEP-Social Sciences list.
8. **Foreign Language** Completion of FLx 201, or comparable proficiency as demonstrated by examination
9. **Free Electives** Maximum 12 credit hours of free electives may be taken for credit only (S/U)
10. **History Elective** Three (3) courses selected from HI 3xx or HI 4xx level, or HA 3xx or HA 4xx level (excluding HI 300 and HI 491).
11. **History Advanced Elective** Three (3) courses selected from HI 4xx level or HA 4xx level (excluding HI 491).
12. **Major Residency Requirements** Minimum of 18 hours of history at NC State. ~~Fifteen (15)~~ **Twelve (12)** of the 18 hours must be at the 400 level and must include at least one 491 seminar.
13. **Major Grade Point Average (MGPA) Requirements** Students must have a minimum major GPA of 2.0 to graduate.

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied.

University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- A. Mathematical Sciences** (6 credit hours – one course with MA or ST prefix)
Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
- B. Natural Sciences** (7 credit hours – include one laboratory course or course with a lab)
Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
- C. Humanities** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: Minimum requirements are satisfied by College History I and Philosophy requirements.
- D. Social Sciences** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: Minimum requirements are satisfied by College Social Sciences requirement.
- E. Physical Education/Healthy Living** (2 credit hours – at least one 100-level Fitness and Wellness Course)
Choose from the University approved GEP Physical Education/Healthy Living course list.
- F. Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
_____ Humanities/Social Sciences/Visual and Performing Arts or **X** Mathematical Sciences/Natural Sciences/Engineering
- G. Interdisciplinary Perspectives** (5-6 credit hours)
Choose from the University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
- H. Introduction to Writing** (4 credit hours satisfied by completing ENG 101 with a C- or better)

The following Co-Requisites must be satisfied to complete the General Education Program requirements:

- I. U.S. Diversity** (USD)
Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement:
- J. Global Knowledge** (GK)
Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement:
- K. Foreign Language proficiency** - Proficiency at the FL_102 level is required for graduation.

CURRICULUM REQUIREMENTS

Format B

<u>Degree/Plan Title:</u> BA/History	<u>Plan SIS Code:</u> 16HISTBA
<u>Concentration/Subplan Title:</u> No Sub-plan	<u>Subplan SIS Code:</u>
<u>Indicate requirements status:</u> Current: X Proposed:	<u>Proposed Effective Semester:</u> no change
<u>New Degree Audit required?</u> (Y or N) N	
<u>Critical Path Courses</u> - Identify using the code (CP) which courses are considered critical path courses which represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.	

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
Indicate if course or course groupings have a C-wall or MGPA requirement and which are considered Critical Path courses – indicate with (CP) next to applic. course.		List GEP category and hours satisfied by a Major requirement
C- or better required		
Pre 1600 Co-Req (Requirement 000020839) This is a verify requirement and does not require additional hours. Courses that meet this requirement can also satisfy other academic requirements. AFS 275, 276, HI 205, 207, 208, 209, 214, 215, 221, 232, 263, 275, 276, 321, 341	Verify	
HI 300	3	
Departmental Advanced Elective (Requirement 000033360) HI 400 level AFS 455, 475, 476, 479, HA 401, 404, 410, 498, HI 400, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 414, 415, 418, 419, 421, 422, 423, 425, 429, 430, 434, 437, 440, 441, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 461, 462, 465, 466, 467, 469, 470, 471, 473, 474, 475, 476, 477, 478, 479, 481, 482, 483, 484, 485, 486, 495, 496, 499, REL 402, 407, 408, WGS 447, 448	9	
Department Electives (Requirement 000033361) HI 300 level or HI 400 level AFS 372, 373, 455, 475, 476, 479, HA 395, 401, 404, 410, 498, HI 305, 307, 320, 321, 322, 324, 332, 335, 337, 338, 341, 346, 350, 351, 354, 360, 364, 365, 366, 370, 371, 372, 373, 374, 380, 381, 395, 400, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 414, 415, 418, 419, 421, 422, 423, 425, 429, 430, 437, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 461, 462, 465, 466, 467, 469, 470, 471, 473, 474, 475, 476, 477, 478, 479, 481, 482, 483, 484, 485, 486, 495, 496, 499, REL 320, 402, 407, 408, WGS 447, 448	9	
HI 491 Seminar in History	3	

<p>List B - ENG 219, 220, 221, 223, 224, 246, 255, 392, 393, 394, 406, FL 219, 220, 221, 222, 223, 224, 246, 392, 393, 394, 406, 407, FLF 302, 492, FLG 320, 323, 325, FLJ 342, 344, 345, FLN 301, 302, 401, FLR 303, 304, FLS 340, 341, 342, 343, 351, 352, 353, 492, HON 202</p>		
<p>Foreign Language 201 - (Requirement 000019319) FLA 201, FLC 201, FLF 201, FLG 201, FLI 201, FLJ 201, FLN 201, FLP 201, FLR 201, FLS 201, 212, GRK 201, LAT 201, or PER 201</p>	3	
<p>Philosophy - (Requirement 000019316) - Any PHI course on the approved GEP-Humanities list</p>	3	Humanities (3)
<p>Arts and Letters - (Requirement 000019317) - Choose one three credit hour course from the college approved Arts and Letters list. ADN 111, 112, 212, 281, 414, AFS 230, 260 346, 375, ARC 140, 141, ARC 241, ARS 251, 252, 257, 258, 259, 306, 346, 351, 353, 354, CLA 210, COM 321, 364, 374, 411, D 231, DAN 272, 295, DS 101, ENG 282 289, 321, 323, 359, 364, 374, 375, 378, 382, 384, 395, 411, 426, 492, FL 216, FLF 318, FLG 318, FLI 318, FLR 318, FLS 360, GD 203, 303, HA 201, 202, 203, 240, 298, 395, 401, 404, 410, 498, HESM 322, 324, HI 240, 320, 402, 407, 408, HON 390, IDS 496, LAR 444, MUS 180, 181, 200, 201, 202, 205, 206, 230, 260, 306, 310, 315, 320, 330, 350, 360, REL 200, 210, 230, 298, 309, 311, 312, 314, 317, 320, 323, 327, 331, 332, 333, 334, 340, 350, 383, 402, 408, 412, 413, 423, 471, 472, 473, 482, 489, 491, 496, 498, SOC 309, STS 257, 471, THE 103, 203, 233, 303, 323, 334, 340, WGS 360, 472, 473</p>	3	
<p>Social Science (Requirements: 000020836) Additional Social Science (Requirement: 000019365) <i>(Choose three different disciplines)</i> Anthropology: ANT 251, 252, 253, 254, 261, 295, 310, 315, 325, 330, 345, 346, 351, 354, 370, 371, 374, 389, 395, 411, 412, 416, 419, 421, 422, 424, 427, 428, 431, 433, 444, 450, 460, 464, 475, 483, 495, 496, 498, 501, 529, 585, 587, HI 587, SOC 261, WGS 444 Agricultural Economics: ARE 201, 201A, 215, 260, 301, 303, 304, 306, 309, 311, 312, 321, 323, 332, 336, 345, 404, 412, 413, 420, 425, 433, 444, 490, 492, 493, 494, 495, EC 301, 336, 436 Economics: ARE 301, 336, EC 201, 202, 205, 301, 302, 305, 336, 348, 351, 377, 404, 410, 413, 431, 436, 437, 449, 451, 474, 480, 490, 491, 495, 498 Political Science: AFS 409, LPS 315, PS 101, 102, 103, 201, 202, 203, 204, 231, 236, 241, 298, 301, 302, 303, 305, 306, 307, 308, 309, 310, 312, 313, 314, 320, 331, 335, 336, 339, 341, 342, 343, 345, 361, 362, 371, 391, 398, 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 471, 490, 492, 498, 502, 506, 507, 530, 531, 532, 534, 536, 539, 540, 541, 542, 571, 585, SOC 413, 432, WGS 306, 418 Psychology: AFS 345, EDP 304, 476, 582, PSY 200, 230, 240, 241, 242, 243, 307, 311, 312, 313, 340, 345, 360, 370, 376, 400, 406, 410, 411, 416, 420, 425, 430, 431, 436, 470, 475, 491, 495, 498, 499, 502, 504, 508, 510, 511, 541, 553, 558, 758, WGS 406 Sociology: AFS 305, ANT 261, 428, GEO 220, PS 432, REL 309, SOC 202, 203, 203A, 204, 205, 206, 207, 220, 241, 241A, 261,</p>	9 3	Social Science (6)

295, 300, 301, 304, 305, 306, 309, 311, 342, 350, 351, 381, 395, 400, 401, 402, 404, 405, 407, 410, 413, 414, 418, 425, 427, 428, 429, 430, 432, 440, 445, 450, 457, 465, 492, 493, 495, 498, 508, 509, 514, 533, 591, WGS 204, 304, 407 Multidisciplinary: ENG 210, GEO 220, SOC 220, STS 402		
Total credit hours under College Requirements:	43	

<u>NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS</u> <i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category <u>may not be subset</u> to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i> <i>Specific courses should not be listed in any of the fields below other than ENG 101.</i>		At least one of the following must be listed: 1 Choose course(s) from the University Approved GEP course list for this category. 2 Minimum requirements are satisfied by Major/College course requirements. 3 Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category. 4 Co-requisite is satisfied by a Major/College course requirement. 5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. 6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements: <i>Minimum 39-40 hrs</i>	Credit hours	How will the GEP requirement be met? (Choose applicable statement from 1-6 listed above)
Mathematical Sciences (6 credits) (At least 1 course with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category.
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	7	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category.
English 101 (C- or better required) (4 credits)	X	Minimum requirements are satisfied by Major/College course (ENG 101) requirements.
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3)
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3)
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.</i>	3	(Choose statement 5 or 6) Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
Interdisciplinary Perspectives (5 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	5	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category.
Health and Exercise Studies (2 credits) (Including one Fitness and Wellness course)	2	Choose course(s) from the University Approved GEP course list for this category.
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	23	
GEP Co-Requisites:		<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.</i>

U.S. Diversity co-requisite	(USD)	n/a	(Choose statement 1 or 4)
Global Knowledge co-requisite	(GK)	n/a	(Choose statement 1 or 4)
Foreign Language Proficiency		n/a	Proficiency at the FL_102 level required.
The following requirements must be satisfied within the College/Program:			Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"
Communication in the Major (Advanced Communication)			Satisfied by College/Program Requirements
Technology Fluency			Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.		120	As applicable, indicate here the overall GPA requirement for degree completion including course completion.

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Indicate display status: Current: **Proposed: X** Proposed Effective Semester: **2208**

Degree/Plan Title: BA/History Concentration/Subplan Title: Teacher Education

Plan SIS Code: **16HISTBA** Subplan SIS Code: **16HISTED**

New Degree Audit required? (Y or N) **N**

Critical Path Courses - Identify using the code (CP) which courses are considered critical path courses that represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ENG 101 Academic Writing & Research ^H	4	Arts & Letters Elective ⁸	3
FLx 201 Foreign Language ^{K, 8}	3	American History Survey ²	3
American History Survey ^{C, 2}	3	GEP Mathematics ^A	3
GEP Mathematics ^A	3	PS 201 American Politics & Govt ^{D, 7}	3
GEP HESF100-level Fitness & Wellness ^E	1	GEP HES_ Health & Exercise Studies ^E	1
		GEP Interdisciplinary Perspective ^G	3
	Total:14		Total:16
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
HI 300 Sophomore Seminar in History	3	World History Survey ¹	3
Literature I ³	3	Literature II ⁴	3
Behavioral Science ⁷	3	GEP Natural Science ^B	4
Additional Social Science ⁷	3	Philosophy ^{C, 5}	3
World History Survey ¹	3	Economics 201, 202 or 205 ^{D, 7}	3
	Total:15		Total:16
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
GEP Natural Science ^B	3	HI or HA 3xx/4xx Elective ¹²	3
Additional Social Science ⁷	3	HI European History Elective ¹¹	3
HI Asia/Africa/Latin American Elective ¹⁰	3	Additional Social Science ⁷	3
GEP Interdisciplinary Perspective ^G	2	Additional Social Science ⁷	3
Free Elective ⁹	3	Free Elective ⁹	3
	Total:14		Total:15
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
HI or HA 4xx Elective ¹³	3	HI or HA 4xx Elective ¹³	3
HI or HA 4xx Elective ¹³	3	HI 491 Seminar in History	3
GEP Additional Breadth (Math Sci/Natural Sci) ^F	3	Free Electives ⁹	9
Free Electives ⁹	6		
	Total:15		Total:15
Minimum Credit Hours Required for Graduation: 120 ^{*I, J, K, 14, 15}			

Major/Program Footnotes: See https://www.acs.ncsu.edu/php/coursecat/degree_requirements.php for more information

- World History Surveys** (History I) 6 credits. Select from Department-approved list.
- American History Surveys** (History II) 6 credits. Select from Department-approved list.
- Literature I** One 3-credit hour course required from the College-approved Literature I list (a survey course covering literature outside the U.S. and prior to the 20th century)
- Literature II** One 3-credit hour course required from the College-approved Literature II list. (any course that meets the Literature I requirement; or a course in American or Twentieth Century Literature; or an upper division survey course or literature course in a period, genre, or major figure in English, a foreign language in English translation, or the original foreign language)
- Philosophy** Any PHI course on the approved GEP-Humanities list
- Arts and Letters** One 3-credit hour course is required from the College-approved Arts & Letters course list
- Social Sciences** 21 credits (7 courses) in Social Science are required. This includes: 1 course in behavioral sciences (psychology, sociology, anthropology); Economics 201, 202, or 205; Political Science 201; and 4 additional courses in the social sciences

8. **Foreign Language** Completion of FLx 201, or comparable proficiency as demonstrated by examination, required for graduation
9. **Free Electives** Maximum 12 credit hours of free electives may be taken for credit only (S/U)
10. **Asia/Africa/Latin American History** Select one 2xx/3xx level History course from department approved list.
11. **European History** Select one 2xx/3xx level History course from department approved list.
12. **History Elective** One (1) course selected from HI or HA 3xx or 4xx level (excluding HI 300 and HI 491)
13. **History Advanced Elective** Three (3) courses selected from HI or HA 4xx level (excluding HI 491)
14. **Residency Requirement** Minimum of 18 hours of history at NC State. . ~~Fifteen (15)~~ **Twelve (12)** of the 18 hours must be at the 400 level and must include at least one 491 seminar.
15. **Grade Point Average (GPA) Requirements** All students must have a minimum 2.0 cumulative GPA and a minimum 2.0 GPA in all HI courses to be eligible for graduation.

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied.

University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- A. Mathematical Sciences** (6 credit hours – one course with MA or ST prefix)
Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
 - B. Natural Sciences** (7 credit hours – include one laboratory course or course with a lab)
Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
 - C. Humanities** (6 credit hours selected from two different disciplines/course prefixes)
*Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by American History Surveys and Philosophy requirements.***
 - D. Social Sciences** (6 credit hours selected from two different disciplines/course prefixes)
*Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by PS 201 and Economics requirements***
 - E. Physical Education/Healthy Living** (2 credit hours – at least one 100-level Fitness and Wellness Course)
Choose from the University approved GEP Physical Education/Healthy Living course list.
 - F. Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
_____ Humanities/Social Sciences/Visual and Performing Arts or ☒ **X** Mathematical Sciences/Natural Sciences/Engineering
 - G. Interdisciplinary Perspectives** (5-6 credit hours)
Choose from the University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
 - H. Introduction to Writing** (4 credit hours satisfied by completing ENG 101 with a C- or better)
- The following **Co-Requisites** must be satisfied to complete the General Education Program requirements:
- I. U.S. Diversity (USD)**
Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement:
 - J. Global Knowledge (GK)**
Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement:
 - K. Foreign Language proficiency** - Proficiency at the FL_102 level is required for graduation.

CURRICULUM REQUIREMENTS

Format B

<u>Degree/Plan Title:</u> BA/History	<u>Plan SIS Code:</u> 16HISTBA
<u>Concentration/Subplan Title:</u> Teacher Education Concentration	<u>Subplan SIS Code:</u> 16HISTTED
<u>Indicate requirements status:</u> Current: X Proposed:	<u>Proposed Effective Semester:</u> no change
<u>New Degree Audit required?</u> (Y or N) N	
<u>Critical Path Courses</u> - Identify using the code (CP) which courses are considered critical path courses that represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.	

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
Indicate if course or course groupings have a C-wall or MGPA requirement and which are considered Critical Path courses – indicate with (CP) next to applic. course.		List GEP category and hours satisfied by a Major requirement
<i>C- or better required</i>		
Asia/Africa/Latin America History (Requirement: 000025497) AFS 275, 276, HI 214, 215, 216, 217, 263, 264, 270, 275, 276 317, 318, 370, 371	3	
European History (Requirement: 00025498) HI 205, 208, 209, 210, 221, 222, 321, 322, 324, 332, 338	3	
HI 300	3	
Department Electives (Requirement: 000025499) AFS 372, 373, 455, 475, 476, 479, HA 395, 401, 404, 410, 498, HI 305, 307, 317, 318, 320, 321, 322, 324, 332, 335, 337, 338, 341, 346, 350, 351, 354, 360, 364, 365, 366, 370, 371, 372, 373, 374, 380, 381, 395, 400, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 414, 415, 418, 419, 421, 422, 423, 425, 429, 430, 434, 437, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 461, 462, 465, 466, 467, 469, 470, 471, 473, 474, 475, 476, 477, 478, 479, 481, 482, 483, 484, 485, 486, 495, 499, REL 320, 402, 407, 408, WGS 447, 448	3	
Departmental Advanced Elective (Requirement: 000025500) AFS 455, 475, 476, 479, HA 401, 404, 410, 498, HI 400, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 414, 415, 418, 419, 421, 422, 423, 425, 429, 430, 434, 437, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 461, 462, 465, 466, 467, 469, 470, 471, 473, 474, 475, 476, 477, 478, 479, 481, 482, 483, 484, 485, 486, 495, 499, REL 402, 407, 408, WGS 447, 448	9	
HI 491	3	

<u>Concentration Courses/Groups/Electives:</u>		
<u>Free Electives:</u> (Requirement: 000025501) (12 Hr S/U Limit) - Select any courses except the following: FLA 101, FLC 101, FLF 101, FLG 101, FLI 101, FLJ 101, FLN 101, FLP 101, FLR 101, FLS 101, FLS 105, GRK 101, LAT 101, MA 101, PER 101	21	
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	45	
COLLEGE REQUIREMENTS:		
<u>Orientation Course(s):</u>		
<u>Other:</u> ENG 101 (C- or better required) World History Surveys (Requirement 000025487) C- wall; MGPA HI 232, 233 American History Surveys (Requirement 000025488) C- wall; MGPA HI 251, 252, 253, 254 Literature I (Requirement: 000019314) - A survey course covering literature outside the U.S. and prior to the 20th century required. Choose one 3-credit hour course from the College-approved Literature 1 list. CLA 210, 320, ENG 219, 220, 221, 222, 251, 255, 261 or 262 <i>(but not both)</i> , 361, FL 219, 220, 221, 222, FLF 301, FLG 320, 325, FLJ 342, 344, FLR 303, FLS 340, 341, 342, 351, HON 202 Literature II (Requirement: 000019315)- Any course that meets the Literature I requirement, or a course in American or Twentieth Century Literature, or an upper division survey course or literature course in a period, genre, or major figure in English, a foreign language in English translation, or the original foreign language required. Choose one 3-credit hour course from the College-approved Literature list. List A - AFS 248, 349, 448, CLA 210, 320, ENG 207, 208, 209, 219, 220, 221, 222, 223, 224, 232, 246, 248, 249, 251, 252, 261, 262, 265, 266, 267, 275, 305, 339, 340, 341, 342, 349, 361, 362, 369, 370, 372, 376, 377, 380, 382, 385, 390, 392, 393, 394, 398, 399, 406, 407, 410, 420, 439, 448, 449, 451, 452, 452, 460, 462, 463, 464, 465, 466, 468, 469, 470, 476, 486, 487, FL 219, 220, 221, 223, 224, 246, 392, 393, 394, 406, 407, FLN 301, 302, 401, WGS 305 List B - ENG 219, 220, 221, 223, 224, 246, 255, 392, 393, 394, 406, FL 219, 220, 221, 222, 223, 224, 246, 392, 393, 394, 406, 407, FLF 302, 492, FLG 320, 323, 325, FLJ 342, 344, 345, FLN 301, 302, 401, FLR 303, 304, FLS 340, 341, 342, 343, 351, 352, 353, 492, HON 202	4 6 6 3 3	Introduction to Writing (4) Humanities (3)

Foreign Language 201 - (Requirement 000019319) FLA 201, FLC 201, FLF 201, FLG 201, FLI 201, FLJ 201, FLN 201, FLP 201, FLR 201, FLS 201, 212, GRK 201, LAT 201, or PER 201	3	
Philosophy - (Requirement 000019316) - Any PHI course on the approved GEP-Humanities list	3	Humanities (3)
Arts and Letters - (Requirement 000019317) - Choose one three credit hour course from the college approved Arts and Letters list. ADN 111, 112, 212, 281, 414, AFS 230, 260 346, 375, ARC 140, 141, ARC 241, ARS 251, 252, 257, 258, 259, 306, 346, 351, 353, 354, CLA 210, COM 321, 364, 374, 411, D 231, DAN 272, 295, DS 101, ENG 282 289, 321, 323, 359, 364, 374, 375, 378, 382, 384, 395, 411, 426, 492, FL 216, FLF 318, FLG 318, FLI 318, FLR 318, FLS 360, GD 203, 303, HA 201, 202, 203, 240, 298, 395, 401, 404, 410, 498, HESM 322, 324, HI 240, 320, 402, 407, 408, HON 390, IDS 496, LAR 444, MUS 180, 181, 200, 201, 202, 205, 206, 230, 260, 306, 310, 315, 320, 330, 350, 360, REL 200, 210, 230, 298, 309, 311, 312, 314, 317, 320, 323, 327, 331, 332, 333, 334, 340, 350, 383, 402, 408, 412, 413, 423, 471, 472, 473, 482, 489, 491, 496, 498, SOC 309, STS 257, 471, THE 103, 203, 233, 303, 323, 334, 340, WGS 360, 472, 473	3	
Behavioral Sciences (Requirement 00025493) AFS 305, 345, ANT 251, 252, 253, 254, 261, 295, 310, 315, 325, 330, 345, 346, 351, 354, 370, 371, 374, 389, 395, 411, 412, 416, 419, 421, 422, 424, 427, 428, 431, 433, 444, 450, 460, 464, 475, 483, 495, 496, 498, 501, 511, 512, 516, 521, 522, 524, 528, 531, 533, 544, 550, 560, 564, 575, 583, 585, 587, 595, 598, EDP 304, 476, 582, FLJ 351, GEO 220, HI 587, ISE 540, PHI 425, 525, PS 432, PSY 200, 230, 240, 241, 242, 243, 307, 311, 312, 313, 340, 345, 360, 370, 376, 400, 406, 410, 411, 416, 420, 425, 430, 431, 436, 470, 475, 476, 491, 495, 498, 499, 500, 511, 525, 535, 540, 541, 553, 558, 582, 584, 590, 591, 758, REL 309, SOC 202, 203, 203A, 204, 205, 206, 207, 220, 241, 241A, 261, 295, 300, 301, 304, 305, 306, 309, 311, 342, 350, 351, 381, 395, 400, 401, 402, 404, 405, 407, 410, 413, 414, 418, 425, 427, 428, 429, 430, 432, 440, 445, 450, 457, 465, 492, 493, 495, 498, 508, 509, 514, 533, 591, WGS 204, 304, 406, 407, 444, 544	3	
Economics (Requirement: 000025494) EC 201, 202, 205 PS 201	3	Social Sciences (3)
Additional Social Science (Requirement: 000025495) AFS 305, 345, 409, ANT 251, 252, 253, 254, 261, 295, 310, 315, 325, 330, 345, 346, 351, 354, 370, 374, 389, 395, 411, 412, 416, 419, 421, 422, 424, 427, 428, 431, 433, 444, 450, 460, 464, 475, 483, 495, 496, 501, 511, 512, 516, 521, 522, 524, 528, 529, 531, 533, 544, 550, 560, 564, 575, 583, 585, 587, 595, 598, ARE 215, 260, 301, 303, 304, 306, 309, 311, 312, 321, 323, 332, 336, 345, 404, 412, 413, 415, 420, 425, 433, 444, 448, 455, 490, 492, 493, 494, 495, EC 202, 301, 302, 305, 336, 348, 351, 377, 404, 410, 413, 431, 436, 437, 449, 451, 474, 480, 490, 495, 498, EDP 304, 476, 582, ENG 210,	3 12	Social Sciences (3)

FLJ 351, GEO 220, HI 587, ISE 540, LPS 315, PHI 425, 525, PS 101, 102, 103, 201, 202, 203, 204, 231, 236, 241, 298, 301, 302, 303, 305, 306, 307, 308, 309, 310, 312, 313, 314, 320, 331, 335, 336, 339, 341, 342, 343, 345, 353, 361, 362, 371, 391, 398, 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 464, 471, 490, 492, 498, 502, 506, 507, 530, 531, 532, 533, 534, 536, 539, 540, 541, 542, 543, 545, 571, 585, 590, 598, PSY 200, 230, 240, 241, 242, 243, 307, 311, 312, 313, 340, 345, 360, 370, 376, 400, 406, 410, 411, 416, 420, 425, 430, 431, 436, 470, 475, 476, 491, 495, 498, 499, 500, 502, 504, 508, 510, 511, 525, 535, 540, 541, 553, 558, 582, 584, 590, 591, 758, REL 309, SOC 202, 203, 203A, 204, 205, 206, 207, 220, 241, 241A, 261, 295, 300, 301, 304, 305, 306, 309, 311, 342, 350, 351, 381, 395, 400, 401, 402, 404, 405, 407, 410, 413, 414, 425, 427, 428, 429, 430, 432, 440, 445, 450, 457, 465, 492, 493, 495, 498, 508, 509, 514, 533, 591, STS 402, WGS 204, 304, 306, 406, 407, 418, 444, 544		
Total credit hours under College Requirements:	52	

<u>NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS</u> <i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category <u>may not be subset</u> to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i> <i>Specific courses should not be listed in any of the fields below other than ENG 101.</i>		At least one of the following must be listed: 1 Choose course(s) from the University Approved GEP course list for this category. 2 Minimum requirements are satisfied by Major/College course requirements. 3 Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category. 4 Co-requisite is satisfied by a Major/College course requirement. 5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. 6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements: <i>Minimum 39-40 hrs</i>	Credit hours	How will the GEP requirement be met? (Choose applicable statement from 1-6 listed above)
Mathematical Sciences (6 credits) (At least 1 course with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category.
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	7	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category.
English 101 (C- or better required) (4 credits)	X	Minimum requirements are satisfied by Major/College course (ENG 101) requirements.
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major/College course requirements.
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major/College course requirements.
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.</i>	3	(Choose statement 5 or 6) Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.

Interdisciplinary Perspectives (5 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	5	<i>(Choose statement 1, 2 or 3)</i> Choose course(s) from the University Approved GEP course list for this category.
Health and Exercise Studies (2 credits) <i>(Including one Fitness and Wellness course)</i>	2	<i>Choose course(s) from the University Approved GEP course list for this category.</i>
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	23	
GEP Co-Requisites:		<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.</i>
U.S. Diversity co-requisite (USD)	n/a	<i>(Choose statement 1 or 4)</i> Choose course(s) from the University Approved GEP course list for this category.
Global Knowledge co-requisite (GK)	n/a	<i>(Choose statement 1 or 4)</i> Choose course(s) from the University Approved GEP course list for this category.
Foreign Language Proficiency	n/a	Proficiency at the FL_102 level required.
The following requirements must be satisfied within the College/Program:		Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"
Communication in the Major (Advanced Communication)	x	Satisfied by College/Program Requirements
Technology Fluency	x	Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	120	As applicable, indicate here the overall GPA requirement for degree completion including course completion.

North Carolina State University

This request has been reviewed and approved by the appropriate campus committees and authorities.

Completed Proposal
Endorsed By:

Head, Department/Program

Date _____

Recommended By:

David R A.

12/15/2020

Chair, College Curriculum Committee

Date _____

Endorsed By:

Endorsed By: Deanna Daniels

12-16-2020 *[Signature]*
Date

College Dean

Date _____

Proposal moves to Undergraduate or Graduate office for routing
Recommended By:

Vice Provost, DELTA (if DE degree/certificate)

Date _____

Recommended By:

Chair, University Courses & Curricula Committee
or Administrative Board of the Graduate School

Date _____

Approved By:

Dean, DASA or the Graduate School

NC STATE

Hope Ziglar <hziglar@ncsu.edu>

Re: Approval Request-HSS curricula revisions

1 message

David Austin <david_austin@ncsu.edu>

Tue, Dec 15, 2020 at 4:56 PM

To: Hope Ziglar <hziglar@ncsu.edu>

I confirm my approval for all the listed curricular actions.

Thanks for all of your work on these.

David.

On Tue, Dec 15, 2020 at 3:28 PM Hope Ziglar <hziglar@ncsu.edu> wrote:

Hello,

Please sign the attached, or confirm via email, approval for submitting these curricula actions to UCCC for review.

16HISTBA - History footnote corrections

16PHM - Philosophy minor revisions (signature page signed by Dr. Austin included in action)

16PSBA and 16OSM - Political Science BA and PS minor revisions

Let me know if you have any questions.

--

Hope Ziglar
Student Services Specialist
College of Humanities and Social Sciences
NC State University
106 E Caldwell Hall
919 513-1831 Voice
919 515 9419 Fax

--

David F. Austin <david_austin@ncsu.edu>
Associate Professor of Philosophy and Associate Head
Department of Philosophy and Religious Studies,
<https://philrel.chass.ncsu.edu/>
Box 8103, 101 Lampe Dr
North Carolina State University
Raleigh, NC 27695-8103
(919) 515-6333
FAX (office): (919) 513-4351
Withers Hall 340B
Chair, H&SS Undergraduate Committee - Course and Curriculum Actions, 2014-2021

"All electronic mail messages in connection with State business which are sent to or received by this account are subject to the NC Public Records Law and may be disclosed to third parties."

**1b_2020-2021 Signature PageDFA-S.docx**

43K

NC STATE

Hope Ziglar <hziglar@ncsu.edu>

Re: Approval Request-HSS curricula revisions

1 message

Deanna Dannels <dpdannel@ncsu.edu>

Wed, Dec 16, 2020 at 8:16 AM

To: Hope Ziglar <hziglar@ncsu.edu>

Cc: David Austin <david_austin@ncsu.edu>

Approved!

On Tue, Dec 15, 2020 at 3:28 PM Hope Ziglar <hziglar@ncsu.edu> wrote:

Hello,

Please sign the attached, or confirm via email, approval for submitting these curricula actions to UCCC for review.

16HISTBA - History footnote corrections

16PHM - Philosophy minor revisions (signature page signed by Dr. Austin included in action)

16PSBA and 16OSM - Political Science BA and PS minor revisions

Let me know if you have any questions.

--

Hope Ziglar
Student Services Specialist
College of Humanities and Social Sciences
NC State University
106 E Caldwell Hall
919 513-1831 Voice
919 515 9419 Fax

--

Deanna P. Dannels
Associate Dean of Academic Affairs
Professor of Communication
College of Humanities and Social Sciences
North Carolina State University
pronouns: she/her/hers
Editor, *Communication Education*
106C Caldwell Hall, Campus Box 8101
Raleigh, NC 27695
phone: (919) 515-3490; fax: (919) 515-9419

TO: University Courses and Curricula Committee (UCCC) DATE: November 6, 2020
FROM: Professor Michael J. Pendlebury, Head
SUBJECT: Modification to Requirements for 16PHM Minor in Philosophy

During recent review, it was found that about one out of five students who enroll in 16PHM Minor in Philosophy take three of the five required 3 credit hour courses at the 200-level. To bring about a desirable increase in the rigor and depth of the Minor in Philosophy, we propose to modify the current requirements by requiring that at least three of the five courses be at the 300-level or above. The change in the statement of Requirements for 16PHM is indicated below in **red**:

Requirements

- The minor consists of 15 hours of credit (5 courses) including 9 hours of required courses and 6 hours of elective courses.
- A grade of 'C-' or better will be required for all courses taken to fulfill the minor requirements.
- A maximum of TWO (2) course may be used (double-counted) towards both departmental major requirements and minor requirements.

The department will determine whether courses which have been transferred from other institutions qualify for the minor. No more than two courses from other institutions may count toward the minor.

Three of the courses taken at NC State must be at the 300-level or higher.

<https://oucc.dasa.ncsu.edu/philosophy-16phtm/>

(About one out of seven of the students who have enrolled in the minor have received transfer credit and grades for courses taken elsewhere nominally at the 300-level. To ensure rigor, "of the courses taken at NC State" is stipulated in the proposed modification.)

The rest of the description of 16PHM remains unchanged. Only the text in **red** above would be added.

Thank you.

We are very grateful to Ms. Hope Ziglar, Office of the Dean, Humanities and Social Sciences, for preparing the many pages required for effecting this change.

SIGNATURE PAGE FOR
Modification in Requirements for 16PHM

#

RECOMMENDED BY:

Michael J. Pendlebury, HEAD, Philosophy & Religious Studies

DATE

ENDORSED BY:



CHAIR, H&SS COURSES & CURRICULA COMMITTEE

DATE

H&SS DEAN

DATE

APPROVED BY:

DEAN, DIVISION OF ACADEMIC AND STUDENT AFFAIRS (DASA)

DATE

APPROVED EFFECTIVE DATE _____

Philosophy (16PHM)

Description

The minor in Philosophy is designed to expose students to three fundamental areas of philosophy: history of philosophy, normative philosophy and contemporary discussion of issues in metaphysics and epistemology. It is a highly desirable minor because it reveals to employers, graduate schools, and professional schools a willingness to engage in theoretical reasoning.

Students can shape their minor in ways that complement their major fields of study. For example, science and engineering majors might include philosophy of science courses (PHI 340 and PHI 440) among their minor courses. Management students might include PHI 214 Business Ethics and PHI 450 Software and the Ethics of Ownership. *No courses for the minor may be taken for S/U credit.*

Requirements

- The minor consists of 15 hours of credit (5 courses) including 9 hours of required courses and 6 hours of elective courses.
- A grade of 'C-' or better will be required for all courses taken to fulfill the minor requirements.
- A maximum of TWO (2) course may be used (double-counted) towards both departmental major requirements and minor requirements.

The department will determine whether courses which have been transferred from other institutions qualify for the minor. No more than two courses from other institutions may count toward the minor. **[add] Three of the courses taken at NC State University must be at the 300-level or higher.**

Required Courses (9 credit hours)

Nine (9) credit hours must be taken as follows:

Three (3) credit hours must be from the history of philosophy courses (select one):

- PHI 300 Ancient Philosophy
- PHI 301 Early Modern Philosophy
- PHI 302 19th Century Philosophy
- PHI 303 Continental Philosophy after 1900
- PHI 401 Kant's Critique of Pure Reason

Three (3) credit hours in normative (ethics and ethics-related) philosophy (select one):

- PHI 214 Issues in Business Ethics

- PHI 221 Contemporary Moral Issues
- PHI 309 Contemporary Political Philosophy
- PHI 312 Philosophy of Law
- PHI 313 Ethical Problems in the Law
- PHI 319 Africana Political Philosophy
- PHI 325 Bio-Medical Ethics
- PHI 375 Ethics
- PHI 376 History of Ethics
- PHI 420 Global Justice
- PHI 422 Philosophical Issues in Environmental Ethics
- PHI 475 Ethical Theory

Three (3) credit hours in another course other than one in the above categories (history of philosophy, normative philosophy) and excluding logic courses.

PHI 205 and PHI 210 may not both be used toward the Minor.

Elective Courses

- Six (6) credit hours of PHI courses or LOG courses at the 200-level and above

Admissions and Certification of Minor

In both instances, students should contact the person listed below. A [University Minor Declaration Form](#) should be submitted to Registration and Records for inclusion of the minor on the student's official record. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork for certification should be completed no later than during the registration period for the student's final semester at NC State.

Contact Persons

Dr. John Carroll, Minor Advisor
Withers Hall 457
919.515.6140
John_carroll@ncsu.edu

Joanna King, Student Services Associate
Department of Philosophy and Religious Studies
Withers Hall 340
919.515.6100
Joanna_king@ncsu.edu

SIS Code: 16PHM

Philosophy (16PHM)

Description

The minor in Philosophy is designed to expose students to three fundamental areas of philosophy: history of philosophy, normative philosophy and contemporary discussion of issues in metaphysics and epistemology. It is a highly desirable minor because it reveals to employers, graduate schools, and professional schools a willingness to engage in theoretical reasoning.

Students can shape their minor in ways that complement their major fields of study. For example, science and engineering majors might include philosophy of science courses (PHI 340 and PHI 440) among their minor courses. Management students might include PHI 214 Business Ethics and PHI 450 Software and the Ethics of Ownership. *No courses for the minor may be taken for S/U credit.*

Requirements

- The minor consists of 15 hours of credit (5 courses) including 9 hours of required courses and 6 hours of elective courses.
- A grade of 'C-' or better will be required for all courses taken to fulfill the minor requirements.
- A maximum of TWO (2) courses may be used (double-counted) towards both departmental major requirements and minor requirements.

The department will determine whether courses which have been transferred from other institutions qualify for the minor. No more than two courses from other institutions may count toward the minor. Three of the courses taken at NC State University must be at the 300-level or higher.

Required Courses (9 credit hours)

Nine (9) credit hours must be taken as follows:

Three (3) credit hours must be from the history of philosophy courses (select one):

- PHI 300 Ancient Philosophy
- PHI 301 Early Modern Philosophy
- PHI 302 19th Century Philosophy
- PHI 303 Continental Philosophy after 1900
- PHI 401 Kant's Critique of Pure Reason

Three (3) credit hours in normative (ethics and ethics-related) philosophy (select one):

- PHI 214 Issues in Business Ethics

- PHI 221 Contemporary Moral Issues
- PHI 309 Contemporary Political Philosophy
- PHI 312 Philosophy of Law
- PHI 313 Ethical Problems in the Law
- PHI 319 Africana Political Philosophy
- PHI 325 Bio-Medical Ethics
- PHI 375 Ethics
- PHI 376 History of Ethics
- PHI 420 Global Justice
- PHI 422 Philosophical Issues in Environmental Ethics
- PHI 475 Ethical Theory

Three (3) credit hours in another course other than one in the above categories (history of philosophy, normative philosophy) and excluding logic courses.

PHI 205 and PHI 210 may not both be used toward the Minor.

Elective Courses

- Six (6) credit hours of PHI courses or LOG courses at the 200-level and above

Admissions and Certification of Minor

In both instances, students should contact the person listed below. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program.

Contact Persons

Dr. John Carroll, Minor Advisor

Withers Hall 457

919.515.6140

John_carroll@ncsu.edu

Joanna King, Student Services Associate

Department of Philosophy and Religious Studies

Withers Hall 340

919.515.6100

Joanna_king@ncsu.edu

SIS Code: 16PHM

CURRICULUM REQUIREMENTS

Format B Minor Adapted

Minor Plan Title: Philosophy	Plan SIS Code: 16PHM
Concentration/Subplan Title: n/a	Subplan SIS Code: n/a
Indicate requirements status: Current: Proposed: X	Proposed Effective Semester: 2211
New Minor Audit required? (Y or N) Y	
<u>Critical Path Courses</u> - Identify using the code (CP) which courses are considered critical path courses that represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.	

MINOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>Notes</i>
Indicate if course or course groupings have a C-wall or MGPA requirement and which are considered Critical Path courses – indicate with (CP) next to applic. course.		
<p><i>C- or better required</i></p> <p><i>Note: PHI 205 and PHI 250 may not both count towards minor requirements.</i></p> <p><u>1-Required Courses</u></p> <p>History of Philosophy (Requirement: 000033299) PHI 300, 301, 302, 303, 401</p> <p>Normative Philosophy (Requirement: 000033300) PHI 214, 221, 309, 312, 313, 319, 325, 375, 376, 420, 475, STS 325</p> <p>Philosophy Science (Requirement: 000033301) PHI 205, 210, 250, 303, 305, 310, 320, 330, 331, 332, 333, 340, 347, 425, 440, 447, PSY 425</p> <p><u>2-Elective Courses</u></p> <p>Elective Courses (Requirement: 000033302) LOG 201, 335, 430, 435, 498, MA 335, PHI 205, 210, 214, 221, 250, 298, 300, 301, 302, 303, 305, 309, 310, 312, 313, 319, 320, 325, 330, 331, 332, 333, 340, 347, 375, 376, 401, 420, 425, 440, 447, 475, 494, 495, 496, 497, 498, PSY 425, STS 325</p> <p>[add] Verify requirement (Requirement: tbd) This is a verify requirement and may not require additional hours. Students can fulfill this requirement through other academic requirements. At least nine (9) credit hours must be 300-level or higher. LOG 335, 430, 435, 498, MA 335, PHI 300, 301, 302, 303, 305, 309, 310, 312, 313, 319, 320, 325, 330, 331, 332, 333, 340, 347, 375, 376, 401, 420, 425, 440, 447, 475, 494, 495, 496, 497, 498, PSY 425, STS 325</p>	<p>3</p> <p>3</p> <p>3</p> <p>6</p> <p>Verify (9)</p>	

Total credit hours required to complete minor <i>Minimum 15 hours required</i>	15	
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North Carolina State University
Routing for DASA or Graduate School Approval of Other Degree Program Actions

This request has been reviewed and approved by the appropriate campus committees and authorities.

Completed Proposal
Endorsed By:

Head, Department/Program

Date

Recommended By:

David R. A.

12/15/2020

Chair, College Curriculum Committee

Date

Endorsed By:

Deanna Daniels

12-16-2020 *H. J. L.*

College Dean

Date

Proposal moves to Undergraduate or Graduate office for routing
Recommended By:

Vice Provost, DELTA (if DE degree/certificate)

Date

Recommended By:

Chair, University Courses & Curricula Committee
or Administrative Board of the Graduate School

Date

Approved By:

Dean, DASA or the Graduate School

NC STATE

Hope Ziglar <hziglar@ncsu.edu>

Re: Approval Request-HSS curricula revisions

1 message

David Austin <david_austin@ncsu.edu>

Tue, Dec 15, 2020 at 4:56 PM

To: Hope Ziglar <hziglar@ncsu.edu>

I confirm my approval for all the listed curricular actions.

Thanks for all of your work on these.

David.

On Tue, Dec 15, 2020 at 3:28 PM Hope Ziglar <hziglar@ncsu.edu> wrote:

Hello,

Please sign the attached, or confirm via email, approval for submitting these curricula actions to UCCC for review.

16HISTBA - History footnote corrections

16PHM - Philosophy minor revisions (signature page signed by Dr. Austin included in action)

16PSBA and 16OSM - Political Science BA and PS minor revisions

Let me know if you have any questions.

--

Hope Ziglar
Student Services Specialist
College of Humanities and Social Sciences
NC State University
106 E Caldwell Hall
919 513-1831 Voice
919 515 9419 Fax

--

David F. Austin <david_austin@ncsu.edu>
Associate Professor of Philosophy and Associate Head
Department of Philosophy and Religious Studies,
<https://philrel.chass.ncsu.edu/>
Box 8103, 101 Lampe Dr
North Carolina State University
Raleigh, NC 27695-8103
(919) 515-6333
FAX (office): (919) 513-4351
Withers Hall 340B
Chair, H&SS Undergraduate Committee - Course and Curriculum Actions, 2014-2021

"All electronic mail messages in connection with State business which are sent to or received by this account are subject to the NC Public Records Law and may be disclosed to third parties."

**1b_2020-2021 Signature PageDFA-S.docx**

43K

NC STATE

Hope Ziglar <hziglar@ncsu.edu>

Re: Approval Request-HSS curricula revisions

1 message

Deanna Dannels <dpdannel@ncsu.edu>

Wed, Dec 16, 2020 at 8:16 AM

To: Hope Ziglar <hziglar@ncsu.edu>

Cc: David Austin <david_austin@ncsu.edu>

Approved!

On Tue, Dec 15, 2020 at 3:28 PM Hope Ziglar <hziglar@ncsu.edu> wrote:

Hello,

Please sign the attached, or confirm via email, approval for submitting these curricula actions to UCCC for review.

16HISTBA - History footnote corrections

16PHM - Philosophy minor revisions (signature page signed by Dr. Austin included in action)

16PSBA and 16OSM - Political Science BA and PS minor revisions

Let me know if you have any questions.

--

Hope Ziglar
Student Services Specialist
College of Humanities and Social Sciences
NC State University
106 E Caldwell Hall
919 513-1831 Voice
919 515 9419 Fax

--

Deanna P. Dannels
Associate Dean of Academic Affairs
Professor of Communication
College of Humanities and Social Sciences
North Carolina State University
pronouns: she/her/hers
Editor, *Communication Education*
106C Caldwell Hall, Campus Box 8101
Raleigh, NC 27695
phone: (919) 515-3490; fax: (919) 515-9419

NC STATE

Hope Ziglar <hziglar@ncsu.edu>

Re: 6070 Political Science revisions

1 message

Michael Struett <mjstruet@ncsu.edu>
To: Hope Ziglar <hziglar@ncsu.edu>
Cc: Steven Greene <shgreene@ncsu.edu>

Thu, Nov 5, 2020 at 9:58 AM

I approve of the curricula revisions for 16PSBA and 16OSM approved by HSS Undergraduate Committee on Oct. 19th, 2020.

Sincerely,

[Michael J. Struett](#)

Associate Professor and Chair

Department of Political Science

School of Public and International Affairs

North Carolina State University

Box 8102

Raleigh, NC 27695-8102

(919) 515-5034

fax (919) 515-7333

NC STATE

On Thu, Nov 5, 2020 at 9:28 AM Hope Ziglar <hziglar@ncsu.edu> wrote:
Hello Dr. Struett,

Please confirm via email reply your approval as Political Science department head for 16PSBA (multiple subplans) and 16OSM (PS minor) curricula revisions approved by HSS undergraduate committee at its October 19, 2020 meeting. I will attach your approval to OUCC's signature page, and submit to UCCC for review.

----- Forwarded message -----

From: **Hope Ziglar** <hziglar@ncsu.edu>
Date: Wed, Oct 14, 2020 at 6:25 PM
Subject: 6070 Political Science revisions
To: Michael Struett <mjstruet@ncsu.edu>
Cc: Steven Greene <shgreene@ncsu.edu>

Hello Dr. Struett,

Revisions to PSBA plans and the PS minor are scheduled for college review on October 19th. Please sign and return, electronically, the attached document to me at your earliest convenience.

--

Hope Ziglar
Student Services Specialist
College of Humanities and Social Sciences
NC State University
106 E Caldwell Hall
919 513-1831 Voice
919 515 9419 Fax

--

Hope Ziglar
Student Services Specialist
College of Humanities and Social Sciences
NC State University
106 E Caldwell Hall
919 513-1831 Voice
919 515 9419 Fax

October 14, 2020

MEMORANDUM

FROM: Professor Michael J. Struett, Chair, Department of Political Science, School of Public and International Affairs

SUBJECT: Curricula Action for Revisions of 16PSBA

Proposed effective date: Spring 2021

Justification and Proposed Revisions

This curricula action proposes the revision of 16PSBA (Bachelor of Arts in Political Science).

Revision of the above subplan is justified because it clarifies the expected seminar requirement to ensure students take a class with peers in political science as opposed to independent research or SOC course for their seminar. Additionally, it allows for the study of economics, a beneficial field of study for political science students, with free electives. The following changes accomplish this purpose:

- PS 490, PS 492, SOC 413, and SOC 432 removed from the requirement details list for the Seminar Requirement. These courses do not meet the goal of a small group, discussion-based pedagogy specifically in political science.
- SOC 413 and SOC 432 removed from PS 200+ level electives because these courses no longer have the same overlap of discipline information due to syllabus changes
- SOC 413 and SOC 432 removed from PS 300+ level electives because these courses no longer have the same overlap of discipline information due to syllabus changes
- The following courses are removed from the free elective exclusion list because a previous curriculum change removed the requirement conflict; ARE 201, ARE 201A, EC 201, EC 205.

Impact on Students

Current students in the major will not be impacted by the revision. They can continue under the old curriculum. Should a current student request credit for EC courses removed from the exclusion list, advisors can work directly with the student.

October 14, 2020

MEMORANDUM

FROM: Professor Michael J. Struett, Chair, Department of Political Science, School of Public and International Affairs

SUBJECT: Curricula Action for Revisions of 16PSBA-16PSAM

Proposed effective date: Spring 2021

Justification and Proposed Revisions

This curricula action proposes the revision of 16PSBA-16PSAM (Bachelor of Arts in Political Science- American Politics Concentration).

Revision of the above subplan is justified because it adds allowed courses to the approved electives list to ensure sufficient course options for students to sustain adequate progress towards their degrees. Additionally, it allows for the study of economics, a beneficial field of study for political science students, with free electives. The following changes accomplish this purpose:

- Add PS 401, 411, 418, 463, 502, 506, and WGS 418 to the requirement details for American Politics Concentration electives.
- Add PS 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 464, 471, 490, 492, 498, 502, 506, 507, 530, 531, 532, 533, 534, 536, 539, 540, 541, 542, 543, 545, 571, 585, 590, 598 to the requirement list for PS Elective 300+
- Add ARE 201, ARE 201A, and EC 201 to the approved social science electives list.
- The following courses are removed from the free elective exclusion list because a previous curriculum change removed the requirement conflict; ARE 201, ARE 201A, EC 201

Impact on Students

Current students in the major will not be impacted by the revision. They can continue under the old curriculum. Should a current student request credit for a newly approved course, the advisor can assist the student on a case by case basis for exceptions.

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Indicate display status: Current: X Proposed:

Proposed Effective Semester: **2211**

Degree/Plan Title: **BA/Political Science**

Concentration/Subplan Title: no sub-plan

Plan SIS Code: **16PSBA**

Subplan SIS Code:

New Degree Audit required? (Y or N) N

Critical Path Courses - Identify using the code (CP) which courses are considered critical path courses that represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ENG 101 Academic Writing & Research ^H	4	Natural Science ^B	3
PS 201 American Politics & Government	3	PS 241 Comparative Politics ^J	3
Mathematics ^A	3	Social Sciences Elective ^{D, 7}	3
History I ^{C, 1}	3	History II ²	3
Social Sciences Elective ^{D, 7}	3	Arts & Letters Elective ⁶	3
		GEP HES _ 100-level Fitness & Wellness ^E	1
	Total:16		Total:16
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
Foreign Language 201 ^{K, 8}	3	PS 371 Research Methodology of Poli. Sci.	3
ST 311 Introduction to Statistics ^A	3	Literature II ⁴	3
Literature I ³	3	GEP Additional Breadth (MS/NS/E) ^F	3
GEP Natural Science with Lab ^B	4	Social Sciences Elective ⁷	3
GEP Health & Exercise Studies ^E	1	Additional Social Science Elective ⁷	3
	Total:14		Total:15
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
International Requirement ^{J, 10}	3	Law & Justice/Public Policy Requirement ¹²	3
Theory Requirement ¹¹	3	PS 300-level Elective ¹⁵	3
Philosophy ^{C, 5}	3	GEP Interdisciplinary Perspectives ^G	2
GEP Interdisciplinary Perspective ^G	3	Free Electives ⁹	7
Free Electives ⁹	2		
	Total:14		Total:15
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
PS 300-level Electives ¹⁵	6	PS 300-level Elective ¹⁵	3
Free Electives ⁹	9	PS Seminar ¹³	3
		Free Electives ⁹	9
	Total:15		Total:15
Minimum Credit Hours Required for Graduation ^{*I, K, 16, 17} : 120			

Major/Program Footnotes:

- History I** One 3-credit course required from the College-approved History I course list (a 200-level survey course covering a culture significantly different from our own, i.e., ancient or non-Western)
- History II** One 3-credit course required from the College-approved History II course list (a 200-level survey course covering our own or a similar culture, i.e., United States or other Western Culture)
- Literature I** One 3-credit hour course required from the College-approved Literature I list (a survey course covering literature outside the U.S. and prior to the 20th century)
- Literature II** One 3-credit hour course required from the College-approved Literature II list. (any course that meets the Literature I requirement; or a course in American or Twentieth Century Literature, or an upper division survey course or literature course in a period, genre, or major figure in English, a foreign language in English translation, or the original foreign language)
- Philosophy** Any PHI course on the approved GEP-Humanities list
- Arts and Letters** One 3-credit hour course is required from the College-approved Arts & Letters course list

7. **Social Sciences** Twelve (12) credit hours, selected from College-approved list, required from three different disciplines, six (6) must be on GEP-Social Sciences list. At least nine (9) of the 12 credit hours must be outside of the Political Science discipline. A political science course meeting this requirement may not also be counted toward departmental requirements. **PS 391 may not fulfill the College's Social Science requirement.**
8. **Foreign Language** Completion of FLx 201, or comparable proficiency as demonstrated by examination
9. **Free Electives** Maximum 12 credit hours of free electives may be taken for credit only (S/U).
10. **International Requirement** Choose one three (3) credit hour course from major approved list.
11. **Theory Requirement** Choose one three (3) credit hour course from major approved list.
12. **Law & Justice/Public Policy Requirement** Choose one three (3) credit hour course from major approved list.
13. **Political Science Seminar** Choose one three (3) credit hour, 400- 500- level course from major approved list.
14. **PS 200-level Elective** Choose one, three (3) credit hour, 200- level or higher course from major approved list.
15. **PS 300-level Electives** Choose 12 credit hours of 300- or higher level courses from major approved list.
16. **Major Residency Requirements** A minimum of 18 credit hours of PS courses taken at NC State with a grade of C or better.
17. **Major Grade Point Average (GPA) Requirements** A 2.0 GPA is required in all major courses with a PS prefix.

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied.

University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- A. Mathematical Sciences** (6 credit hours – one course with MA or ST prefix)
Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirement satisfied by major mathematics and ST 311 requirement.**
 - B. Natural Sciences** (7 credit hours – include one laboratory course or course with a lab)
Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
 - C. Humanities** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by College History I and Philosophy requirements.**
 - D. Social Sciences** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by College Social Sciences requirement.**
 - E. Physical Education/Healthy Living** (2 credit hours – at least one 100-level Fitness and Wellness Course)
Choose from the University approved GEP Physical Education/Healthy Living course list.
 - F. Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
_____ Humanities/Social Sciences/Visual and Performing Arts or ☒ **X** Mathematical Sciences/Natural Sciences/Engineering
 - G. Interdisciplinary Perspectives** (5-6 credit hours)
Choose from the University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
 - H. Introduction to Writing** (4 credit hours satisfied by completing ENG 101 with a C- or better)
- The following Co-Requisites must be satisfied to complete the General Education Program requirements:
- I. U.S. Diversity (USD)**
Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement:
 - J. Global Knowledge (GK)**
Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **PS 231, PS 236 or PS 241**
 - K. Foreign Language proficiency** - Proficiency at the FL_102 level is required for graduation.

CURRICULUM REQUIREMENTS

Format B

Degree/Plan Title: BA/Political Science	Plan SIS Code: 16PSBA
Concentration/Subplan Title:	Subplan SIS Code:
Indicate requirements status: Current: Proposed: X	<u>Proposed</u> Effective Semester: 2211
New Degree Audit required? (Y or N) No	
<u>Critical Path Courses</u> - Identify using the code (CP) which courses are considered critical path courses that represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.	

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
Indicate if course or course groupings have a C-wall or MGPA requirement and which are considered Critical Path courses – indicate with (CP) next to applic. course.		List GEP category and hours satisfied by a Major requirement
<i>C- or better required</i>		
PS 201	3	
PS 241	3	Global Knowledge (co-req)
PS 371	3	
International (Requirement 000021279) PS 231, 236	3	Global Knowledge (co-req)
Theory (Requirement 000021255) PS 361, 362	3	
Law & Justice/Public Policy (Requirement 000021374) PS 305, 307, 308, 309, 310, 312, 313, 314	3	
PS Seminar (Requirement 000021377) AFS 409, PS 401, 409, 411, 418, 431, 432, 433, 437, 443, 445, 462, 463, 464, 471, [delete]490, 492, 498, 502, 506, 507, 530, 531, 532, 533, 534, 536, 539, 540, 541, 542, 543, 545, 571, 585, 590, 598, [delete]SOC 413, 432, WGS 418	3	
PS Electives 200+ level (Requirement 000021375) AFS 409, LPS 315, PS 201, 202, 203, 204, 231, 236, 241, 298, 301, 302, 303, 305, 306, 307, 308, 309, 310, 312, 313, 314, 320, 331, 335, 336, 339, 341, 342, 343, 345, 353, 361, 362, 371, 391, 398, 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 464, 471, 490, 492, 498, 502, 506, 507, 530, 531, 532, 533, 534, 536, 539, 540, 541, 542, 543, 545, 571, 585, 590, 598, [delete]SOC 413, 432, WGS 306, 418	3	
PS Electives 300+ level (Requirement 000021376) AFS 409, LPS 315, PS 301, 302, 303, 305, 306, 307, 308, 309, 310, 312, 313, 314, 320, 331, 335, 336, 339, 341, 342, 343, 345, 353, 361, 362, 371, 391, 398, 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 464, 471, 490, 492, 498, 502, 506, 507, 530, 531, 532, 533, 534, 536, 539, 540,	9	

541, 542, 543, 545, 571, 585, 590, 598, SOC 413 , 432 , WGS 306, 418		
<u>Concentration Courses/Groups/Electives:</u> <u>Mathematics</u> Math Science MA or ST (Requirement 000021371) LOG 335, MA 103, 103A, 105, 107, 111, 114, 121, 131, 141, 151, 152, 205, 231, 241, 335, MSGE 295, ST 101, 311, 312 ST 311	3 3	Mathematics (3) Mathematics (3)
<u>Free Electives:</u> (Requirement: 000033474) (12 Hr S/U Limit) Select any courses except the following: ARE 201, 201A, EC 201 , 205, FLA 101, FLC 101, FLF 101, FLG 101, FLI 101, FLJ 101, FLN 101, FLP 101, FLR 101, FLS 101, FLS 105, GRK 101, LAT 101, MA 101, PER 101	27	
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	66	
COLLEGE REQUIREMENTS:		
<u>Orientation Course(s):</u>		
<u>Other:</u> ENG 101 (C- or better required) History I (Requirement: 000019312) - A 200-level survey course covering a culture significantly different from our own, i.e., pre-industrial or non-Western required. Choose one 3-credit hour course from the College-approved History 1 list. AFS 275, 276, HI 207, 214, 215, 216, 232, 233, 263, 264, 270, 275, 276 History II (Requirement: 000019313) - A 200-level survey course covering our own or a similar culture required. Choose one 3-credit hour course from the College-approved History 2 list HI 205, 208, 209, 210, 221, 222, 251, 252, 253, 254 Literature I (Requirement: 000019314) - A survey course covering literature outside the U.S. and prior to the 20th century required. Choose one 3-credit hour course from the College-approved Literature 1 list. CLA 210, 320, ENG 219, 220, 221, 222, 251, 255, 261 or 262 (but not both), 361, FL 219, 220, 221, 222, FLF 301, FLG 320, 325, FLJ 342, 344, FLR 303, FLS 340, 341, 342, 351, HON 202 Literature II (Requirement: 000019315)- Any course that meets the Literature I requirement, or a course in American or Twentieth Century Literature, or an upper division survey course or literature course in a period, genre, or major figure in English, a foreign language in English translation, or the original foreign language required. Choose one 3-credit hour course from the College-approved Literature list. List A - AFS 248, 349, 448, CLA 210, 320, ENG 207, 208, 209, 219, 220, 221, 222, 223, 224, 232, 246, 248, 249, 251, 252,	4 3 3 3	Introduction to Writing (4) Humanities (3)

<p>261, 262, 265, 266, 267, 275, 305, 339, 340, 341, 342, 349, 361, 362, 369, 370, 372, 376, 377, 380, 382, 385, 390, 392, 393, 394, 398, 399, 406, 407, 410, 420, 439, 448, 449, 451, 452, 452, 460, 462, 463, 464, 465, 466, 468, 469, 470, 476, 486, 487, FL 219, 220, 221, 223, 224, 246, 392, 393, 394, 406, 407, FLN 301, 302, 401, WGS 305</p> <p>List B - ENG 219, 220, 221, 223, 224, 246, 255, 392, 393, 394, 406, FL 219, 220, 221, 222, 223, 224, 246, 392, 393, 394, 406, 407, FLF 302, 492, FLG 320, 323, 325, FLJ 342, 344, 345, FLN 301, 302, 401, FLR 303, 304, FLS 340, 341, 342, 343, 351, 352, 353, 492, HON 202</p>		
<p>Foreign Language 201 (Requirement: 000019319) FLA 201, FLC 201, FLF 201, FLG 201, FLI 201, FLJ 201, FLN 201, FLP 201, FLR 201, FLS 201, 212, GRK 201, LAT 201, or PER 201</p>	3	
<p>Philosophy (Requirement: 00019316) - Any PHI course on the approved GEP-Humanities list</p>	3	
<p>Arts and Letters (Requirement: 000019317) – Choose one three credit hour course from the College approved Arts and Letters list.</p>	3	Humanities (3)
<p>ADN 111, 112, 212, 281, 414, AFS 230, 260 346, 375, ARC 140, 141, ARC 241, ARS 251, 252, 257, 258, 259, 306, 346, 351, 353, 354, CLA 210, COM 321, 364, 374, 411, D 231, DAN 272, 295, DS 101, ENG 282 289, 321, 323, 359, 364, 374, 375, 378, 382, 384, 395, 411, 426, 492, FL 216, FLF 318, FLG 318, FLI 318, FLR 318, FLS 360, GD 203, 303, HA 201, 202, 203, 240, 298, 395, 401, 404, 410, 498, HESM 322, 324, HI 240, 320, 402, 407, 408, HON 390, IDS 496, LAR 444, MUS 180, 181, 200, 201, 202, 205, 206, 230, 260, 306, 310, 315, 320, 330, 350, 360, REL 200, 210, 230, 298, 309, 311, 312, 314, 317, 320, 323, 327, 331, 332, 333, 334, 340, 350, 383, 402, 408, 412, 413, 423, 471, 472, 473, 482, 489, 491, 496, 498, SOC 309, STS 257, 471, THE 103, 203, 233, 303, 323, 334, 340, WGS 360, 472, 473</p>	3	
<p>Social Science (Requirement: 000021370) Additional Social Science (Requirement: 000032236) <i>(Choose three different disciplines)</i></p>	9	
<p>Anthropology: ANT 251, 252, 253, 254, 261, 295, 310, 315, 325, 330, 345, 346, 351, 354, 370, 371, 374, 389, 395, 411, 412, 416, 419, 421, 422, 424, 427, 428, 431, 433, 444, 450, 460, 464, 475, 483, 495, 496, 498, 501, 529, 585, 587, HI 587, SOC 261, WGS 444</p> <p>Agricultural Economics: ARE 201, 201A, 215, 260, 301, 303, 304, 306, 309, 311, 312, 321, 323, 332, 336, 345, 404, 412, 413, 420, 425, 433, 444, 490, 492, 493, 494, 495, EC 301, 336, 436</p> <p>Economics: ARE 301, 336, EC 201, 202, 205, 301, 302, 305, 336, 348, 351, 377, 404, 410, 413, 431, 436, 437, 449, 451, 474, 480, 490, 491, 495, 498</p> <p>Political Science: AFS 409, LPS 315, PS 101, 102, 103, 201, 202, 203, 204, 231, 236, 241, 298, 301, 302, 303, 305, 306, 307, 308, 309, 310, 312, 313, 314, 320, 331, 335, 336, 339, 341, 342, 343, 345, 361, 362, 371, 398, 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 471, 490, 492, 498, 502, 506, 507, 530, 531, 532, 534, 536, 539, 540, 541, 542, 571, 585, SOC 413, 432, WGS 306, 418</p> <p><i>Note-PS 391 may not fulfill this requirement.</i></p>	3	Social Science (6)

Psychology: AFS 345, EDP 304, 476, 582, PSY 200, 230, 240, 241, 242, 243, 307, 311, 312, 313, 340, 345, 360, 370, 376, 400, 406, 410, 411, 416, 420, 425, 430, 431, 436, 470, 475, 491, 495, 498, 499, 502, 504, 508, 510, 511, 541, 553, 558, 758, WGS 406 Sociology: AFS 305, ANT 261, 428, GEO 220, PS 432, REL 309, SOC 202, 203, 203A, 204, 205, 206, 207, 220, 241, 241A, 261, 295, 300, 301, 304, 305, 306, 309, 311, 342, 350, 351, 381, 395, 400, 401, 402, 404, 405, 407, 410, 413, 414, 418, 425, 427, 428, 429, 430, 432, 440, 445, 450, 457, 465, 492, 493, 495, 498, 508, 509, 514, 533, 591, WGS 204, 304, 407 Multidisciplinary: ENG 210, GEO 220, SOC 220, STS 402		
Total credit hours under College Requirements:	37	

NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS <i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category <u>may not be subset</u> to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i> <i>Specific courses should not be listed in any of the fields below other than ENG 101.</i>		At least one of the following must be listed: 1 Choose course(s) from the University Approved GEP course list for this category. 2 Minimum requirements are satisfied by Major/College course requirements. 3 Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category. 4 Co-requisite is satisfied by a Major/College course requirement. 5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. 6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements: <i>Minimum 39-40 hrs</i>	Credit hours	How will the GEP requirement be met? (Choose applicable statement from 1-6 listed above)
Mathematical Sciences (6 credits) (At least 1 course with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements.
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	7	<i>(Choose statement 1, 2 or 3)</i> Choose course(s) from the University Approved GEP course list for this category.
English 101 (C- or better required) (4 credits)	X	Minimum requirements are satisfied by Major/College course (ENG 101) requirements.
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements.
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements.
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.</i>	3	<i>(Choose statement 5 or 6)</i> Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
Interdisciplinary Perspectives (5 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	5	<i>(Choose statement 1, 2 or 3)</i> Choose course(s) from the University Approved GEP course list for this category.

Health and Exercise Studies (Including one <i>Fitness and Wellness</i> course)	(2 credits)	2	Choose course(s) from the University Approved GEP course list for this category.
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.		17	
GEP Co-Requisites:			<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.</i>
U.S. Diversity co-requisite	(USD)	n/a	<i>(Choose statement 1 or 4)</i> Choose course(s) from the University Approved GEP course list for this category.
Global Knowledge co-requisite	(GK)	n/a	<i>(Choose statement 1 or 4)</i> Co-requisite is satisfied by a Major/College course requirement
Foreign Language Proficiency		n/a	Proficiency at the FL_102 level required.
The following requirements must be satisfied within the College/Program:			Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"
Communication in the Major (Advanced Communication)			Satisfied by College/Program Requirements
Technology Fluency			Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.		120	As applicable, indicate here the overall GPA requirement for degree completion including course completion.

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Indicate display status: Current: X Proposed:

Proposed Effective Semester: **2211**

Degree/Plan Title: **BA/Political Science**

Concentration/Subplan Title: **American Politics Concentration**

Plan SIS Code: **16PSBA**

Subplan SIS Code: **16PSAM**

New Degree Audit required? (Y or N) **N**

Critical Path Courses - Identify using the code (CP) which courses are considered critical path courses that represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ENG 101 Academic Writing & Research ^H	4	Foreign Language 201 ^{K, 8}	3
PS 201 American Politics & Government	3	PS 241 Comparative Politics ^J	3
Mathematics ^A	3	Social Sciences Elective ^{D, 7}	3
History I ^{C, 1}	3	History II ²	3
Social Sciences Elective ^{D, 7}	3	Arts & Letters Elective ⁶	3
		GEP 100-level Fitness & Wellness Course ^E	1
	Total:16		Total:16
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
Law & Justice/Public Policy Requirement ¹¹	3	PS 371 Research Methodology of Poli. Sci.	3
ST 311 Introduction to Statistics ^A	3	Literature II ⁴	3
Literature I ³	3	GEP Additional Breadth (MS/NS/E) ^F	3
GEP Natural Science with Lab ^B	4	Social Sciences Elective ⁷	3
GEP Health & Exercise Studies ^E	1	Economics Elective ⁷	3
	Total:14		Total:15
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
International Requirement ^{J, 10}	3	PS 301 The Presidency & Congress	3
PS 362 American Political Thought	3	GEP Interdisciplinary Perspectives ^G	2
Philosophy ^{C, 5}	3	Free Electives ⁹	10
GEP Interdisciplinary Perspective ^G	3		
GEP Natural Science ^B	3		
	Total:15		Total:15
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
PS 302 Campaigns & Elections in US Political Syst	3	PS Concentration Elective ¹³	3
PS 300-level Electives ¹⁴	3	PS Concentration Seminar ¹²	3
Free Electives ⁹	9	Free Electives ⁹	8
	Total:15		Total:14
Minimum Credit Hours Required for Graduation ^{*I, K, 15, 16} : 120			

Major/Program Footnotes:

- History I** One 3-credit course required from the College-approved History I course list (a 200-level survey course covering a culture significantly different from our own, i.e., ancient or non-Western)
- History II** One 3-credit course required from the College-approved History II course list (a 200-level survey course covering our own or a similar culture, i.e., United States or other Western Culture)
- Literature I** One 3-credit hour course required from the College-approved Literature I list (a survey course covering literature outside the U.S. and prior to the 20th century)
- Literature II** One 3-credit hour course required from the College-approved Literature II list. (any course that meets the Literature I requirement; or a course in American or Twentieth Century Literature, or an upper division survey course or literature course in a period, genre, or major figure in English, a foreign language in English translation, or the original foreign language)

5. **Philosophy** Any PHI course on the approved GEP-Humanities list
6. **Arts and Letters** One 3-credit hour course is required from the College-approved Arts & Letters course list
7. **Social Sciences** Twelve (12) credit hours required from three different disciplines, six (6) must be on GEP-Social Sciences list. At least nine (9) of the 12 credit hours must be outside of the Political Science discipline. A political science course meeting this requirement may not also be counted toward departmental requirements. PS 391 and PS 413 may not fulfill this requirement.
8. **Foreign Language** Completion of FLx 201, or comparable proficiency as demonstrated by examination
9. **Free Electives** Maximum 12 credit hours of free electives may be taken for credit only (S/U).
10. **International Requirement** Choose one three (3) credit hour course from major approved list.
- ~~11. **Theory Requirement** Choose one three (3) credit hour course from major approved list.~~
11. **Law & Justice/Public Policy Requirement** Choose one three (3) credit hour course from major approved list.
12. **Concentration Seminar** Choose one three (3) credit hour from major approved list.
13. **Concentration Elective** Choose one three (3) credit hour from major approved list.
14. **PS 300-level Electives** Choose one three (3) credit hour course from major approved list.
15. **Major Residency Requirements** A minimum of 18 credit hours of PS courses taken at NC State with a grade of C or better.
16. **Major Grade Point Average (GPA) Requirements** A 2.0 GPA is required in all major courses with a PS prefix.

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied.

University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- A. Mathematical Sciences** (6 credit hours – one course with MA or ST prefix)
Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirement satisfied by major mathematics and ST 311 requirement.**
- B. Natural Sciences** (7 credit hours – include one laboratory course or course with a lab)
Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
- C. Humanities** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by College History I and Philosophy requirements.**
- D. Social Sciences** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by College Social Sciences requirement.**
- E. Physical Education/Healthy Living** (2 credit hours – at least one 100-level Fitness and Wellness Course)
Choose from the University approved GEP Physical Education/Healthy Living course list.
- F. Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
_____ Humanities/Social Sciences/Visual and Performing Arts or **X** Mathematical Sciences/Natural Sciences/Engineering
- G. Interdisciplinary Perspectives** (5-6 credit hours)
Choose from the University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
- H. Introduction to Writing** (4 credit hours satisfied by completing ENG 101 with a C- or better)

The following **Co-Requisites** must be satisfied to complete the General Education Program requirements:

- I. U.S. Diversity** (USD)
Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement:
- J. Global Knowledge** (GK)
Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **PS 231, PS 236 or PS 241**
- K. Foreign Language proficiency** - Proficiency at the FL_102 level is required for graduation.

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
Indicate if course or course groupings have a C-wall or MGPA requirement and which are considered Critical Path courses – indicate with (CP) next to applic. course.		List GEP category and hours satisfied by a Major requirement
<p><i>C- or better required</i></p> <p><u>1-American Politics Concentration</u> American Politics Conc (Requirement 000023532) PS 202, 303, 306, 308, 310, 312, 314, 320, 331, [add] PS 401, 411, 418, 463, 502, 506, WGS 306, [add] wgs 418</p> <p>Concentration Seminar (Requirement 000023533) PS 401, 411, 418, 463, 502, 506, WGS 418</p> <p><u>2-Departmental Requirements</u> PS 201 PS 241 PS 371 PS 301 PS 302 PS 362</p> <p>International (Requirement 000021279) PS 231, 236,</p> <p>Law & Justice/Public Policy (Requirement 000021281) PS 305, 307, 308, 309, 310, 312, 313, 314</p> <p>PS Elective 300-level or higher (Requirement 000022837) LPS 315, PS 301, 302, 303, 305, 306, 307, 308, 309, 310, 312, 313, 314, 320, 331, 335, 336, 339, 341, 342, 343, 345, 353, 361, 371, 391, 398, [add] ps 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 464, 471, 490, 492, 498, 502, 506, 507, 530, 531, 532, 533, 534, 536, 539, 540, 541, 542, 543, 545, 571, 585, 590, 598, WGS 306</p>	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p>	<p>Global Knowledge (co-req)</p> <p>Global Knowledge (co-req)</p>
<p><u>Concentration Courses/Groups/Electives:</u> <u>4-Mathematics</u> Math Sci MA or ST (Requirement 000021371) LOG 335, MA 103, 103A, 105, 107, 111, 114, 121, 131, 141, 151, 152, 205, 231, 241, 335, MSGE 295, ST 101, 311, 312</p>	<p>3</p>	<p>Mathematics (3)</p>

ST 311	3	Mathematics (3)
Free Electives: (Requirement: 000033474) (12 Hr S/U Limit) Select any courses except the following: ARE 201, 201A, EC 201 , FLA 101, FLC 101, FLF 101, FLG 101, FLI 101, FLJ 101, FLN 101, FLP 101, FLR 101, FLS 101, FLS 105, GRK 101, LAT 101, MA 101, PER 101	27	
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	66	
COLLEGE REQUIREMENTS:		
Orientation Course(s):		
Other: ENG 101 (C- or better required(4	Introduction to Writing (4)
History I (Requirement: 000019312) - A 200-level survey course covering a culture significantly different from our own, i.e., pre-industrial or non-Western required. Choose one 3-credit hour course from the College-approved History 1 list. AFS 275, 276, HI 207, 214, 215, 216, 232, 233, 263, 264, 270, 275, 276	3	Humanities (3)
History II (Requirement: 000019313) - A 200-level survey course covering our own or a similar culture required. Choose one 3-credit hour course from the College-approved History 2 list HI 205, 208, 209, 210, 221, 222, 251, 252, 253, 254	3	
Literature I (Requirement: 000019314) - A survey course covering literature outside the U.S. and prior to the 20th century required. Choose one 3-credit hour course from the College-approved Literature 1 list. CLA 210, 320, ENG 219, 220, 221, 222, 251, 255, 261 or 262 (but not both), 361, FL 219, 220, 221, 222, FLF 301, FLG 320, 325, FLJ 342, 344, FLR 303, FLS 340, 341, 342, 351, HON 202	3	
Literature II (Requirement: 000019315)- Any course that meets the Literature I requirement, or a course in American or Twentieth Century Literature, or an upper division survey course or literature course in a period, genre, or major figure in English, a foreign language in English translation, or the original foreign language required. Choose one 3-credit hour course from the College-approved Literature list. List A - AFS 248, 349, 448, CLA 210, 320, ENG 207, 208, 209, 219, 220, 221, 222, 223, 224, 232, 246, 248, 249, 251, 252, 261, 262, 265, 266, 267, 275, 305, 339, 340, 341, 342, 349, 361, 362, 369, 370, 372, 376, 377, 380, 382, 385, 390, 392, 393, 394, 398, 399, 406, 407, 410, 420, 439, 448, 449, 451, 452, 452, 460, 462, 463, 464, 465, 466, 468, 469, 470, 476, 486, 487, FL 219, 220, 221, 223, 224, 246, 392, 393, 394, 406, 407, FLN 301, 302, 401, WGS 305 List B - ENG 219, 220, 221, 223, 224, 246, 255, 392, 393, 394, 406, FL 219, 220, 221, 222, 223, 224, 246, 392, 393, 394, 406, 407, FLF 302, 492, FLG 320, 323, 325, FLJ 342, 344, 345, FLN 301, 302, 401, FLR 303, 304, FLS 340, 341, 342, 343, 351, 352, 353, 492, HON 202	3	

Foreign Language 201 (Requirement: 000019319) FLA 201, FLC 201, FLF 201, FLG 201, FLI 201, FLJ 201, FLN 201, FLP 201, FLR 201, FLS 201, 212, GRK 201, LAT 201, or PER 201	3	Humanities (3)
Philosophy (Requirement: 00019316) - Any PHI course on the approved GEP-Humanities list	3	
Arts and Letters (Requirement: 000019317) – Choose one three credit hour course from the College approved Arts and Letters list. ADN 111, 112, 212, 281, 414, AFS 230, 260 346, 375, ARC 140, 141, ARC 241, ARS 251, 252, 257, 258, 259, 306, 346, 351, 353, 354, CLA 210, COM 321, 364, 374, 411, D 231, DAN 272, 295, DS 101, ENG 282 289, 321, 323, 359, 364, 374, 375, 378, 382, 384, 395, 411, 426, 492, FL 216, FLF 318, FLG 318, FLI 318, FLR 318, FLS 360, GD 203, 303, HA 201, 202, 203, 240, 298, 395, 401, 404, 410, 498, HESM 322, 324, HI 240, 320, 402, 407, 408, HON 390, IDS 496, LAR 444, MUS 180, 181, 200, 201, 202, 205, 206, 230, 260, 306, 310, 315, 320, 330, 350, 360, REL 200, 210, 230, 298, 309, 311, 312, 314, 317, 320, 323, 327, 331, 332, 333, 334, 340, 350, 383, 402, 408, 412, 413, 423, 471, 472, 473, 482, 489, 491, 496, 498, SOC 309, STS 257, 471, THE 103, 203, 233, 303, 323, 334, 340, WGS 360, 472, 473	3	
Social Science (Requirements: 000022834) <i>(Choose three different disciplines)</i> Anthropology: ANT 251, 252, 253, 254, 261, 295, 310, 315, 325, 330, 345, 346, 351, 354, 370, 371, 374, 389, 395, 411, 412, 416, 419, 421, 422, 424, 427, 428, 431, 433, 444, 450, 460, 464, 475, 483, 495, 496, 498, 501, 529, 585, 587, HI 587, SOC 261, WGS 444 Agricultural Economics: ARE [add] ARE 201, 201A, 215, 260, 301, 303, 304, 306, 309, 311, 312, 321, 323, 332, 336, 345, 404, 412, 413, 420, 425, 433, 444, 490, 492, 493, 494, 495, EC 301, 336, 436 Economics: ARE 301, 336, EC [add] EC 201, 301, 302, 305, 336, 348, 351, 377, 404, 410, 413, 431, 436, 437, 449, 451, 474, 480, 490, 491, 495, 498 Political Science: AFS 409, LPS 315, PS 101, 102, 103, 201, 202, 203, 204, 231, 236, 241, 298, 301, 302, 303, 305, 306, 307, 308, 309, 310, 312, 313, 314, 320, 331, 335, 336, 339, 341, 342, 343, 345, 361, 362, 371, 391, 398, 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 471, 490, 492, 498, 502, 506, 507, 530, 531, 532, 534, 536, 539, 540, 541, 542, 571, 585, SOC 413, 432, WGS 306, 418 Psychology: AFS 345, EDP 304, 476, 582, PSY 200, 230, 240, 241, 242, 243, 307, 311, 312, 313, 340, 345, 360, 370, 376, 400, 406, 410, 411, 416, 420, 425, 430, 431, 436, 470, 475, 491, 495, 498, 499, 502, 504, 508, 510, 511, 541, 553, 558, 758, WGS 406 Sociology: AFS 305, ANT 261, 428, GEO 220, PS 432, REL 309, SOC 202, 203, 203A, 204, 205, 206, 207, 220, 241, 241A, 261, 295, 300, 301, 304, 305, 306, 309, 311, 342, 350, 351, 381, 395, 400, 401, 402, 404, 405, 407, 410, 413, 414, 418, 425, 427, 428, 429, 430, 432, 440, 445, 450, 457, 465, 492, 493, 495, 498, 508, 509, 514, 533, 591, WGS 204, 304, 407 Multidisciplinary: ENG 210, GEO 220, SOC 220, STS 402	9	Social Science (3)
Economic Elective (Requirement: tbd)	3	Social Science (3)

ARE 202, EC 202, 205		
Total credit hours under College Requirements:	37	

<u>NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS</u> <i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category <u>may not be subset</u> to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i> <i>Specific courses should not be listed in any of the fields below other than ENG 101.</i>		<u>At least one of the following must be listed:</u> 1 Choose course(s) from the University Approved GEP course list for this category. 2 Minimum requirements are satisfied by Major/College course requirements. 3 Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category. 4 Co-requisite is satisfied by a Major/College course requirement. 5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. 6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements: <i>Minimum 39-40 hrs</i>	Credit hours	How will the GEP requirement be met? (Choose applicable statement from 1-6 listed above)
Mathematical Sciences (6 credits) (At least 1 course with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements.
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	7	<i>(Choose statement 1, 2 or 3)</i> Choose course(s) from the University Approved GEP course list for this category.
English 101 (C- or better required) (4 credits)	X	Minimum requirements are satisfied by Major/College course (ENG 101) requirements.
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements.
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements.
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.</i>	3	<i>(Choose statement 5 or 6)</i> Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
Interdisciplinary Perspectives (5 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	5	<i>(Choose statement 1, 2 or 3)</i> Choose course(s) from the University Approved GEP course list for this category.
Health and Exercise Studies (2 credits) (Including one Fitness and Wellness course)	2	Choose course(s) from the University Approved GEP course list for this category.
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	17	
GEP Co-Requisites:		<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.</i>
U.S. Diversity co-requisite (USD)	n/a	<i>(Choose statement 1 or 4)</i> Choose course(s) from the University Approved GEP course list for this category.
Global Knowledge co-requisite (GK)	n/a	<i>(Choose statement 1 or 4)</i> Co-requisite is satisfied by a Major/College course requirement.
Foreign Language Proficiency	n/a	Proficiency at the FL_102 level required.

The following requirements must be satisfied within the College/Program:		Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"
Communication in the Major (Advanced Communication)		Satisfied by College/Program Requirements
Technology Fluency		Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	120	As applicable, indicate here the overall GPA requirement for degree completion including course completion.

10/14/2020

MEMORANDUM

FROM: Professor Michael J. Struett, Chair, Department of Political Science, School of Public and International Affairs

SUBJECT: Curricula Action for Revisions of 16PSBA-16PSPUB

Proposed effective date: Spring 2021

Justification and Proposed Revisions

This curricula action proposes the revision of 16PSBA-16PSPUB (Bachelor of Arts in Political Science with a concentration in public policy).

Revision of the above subplan is justified because it adds allowed courses to the approved electives list to ensure sufficient course options for students to sustain adequate progress towards their degrees. Additionally, it allows for the study of economics, a beneficial field of study for political science students, with free electives. The following changes accomplish this purpose:

- Add PA 509, PA 511, PS 313, PS 401, PS 415, PS 418, PS 431, PS 432, PS 433, PS 437, PS 506, PS 507, and WGS 418 to the requirement list for the public policy concentration electives
- Add PS 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 464, 471, 490, 492, 498, 502, 506, 507, 530, 531, 532, 533, 534, 536, 539, 540, 541, 542, 543, 545, 571, 585, 590, 598 to the requirement list for PS Elective 300+
- Add ARE 201, ARE 201A, and EC 201 to the approved social science electives list.
- The following courses are removed from the free elective exclusion list because a previous curriculum change removed the requirement conflict; ARE 201, ARE 201A, and EC 201

Impact on Students

Current students in the major will not be impacted by the revision. They can continue under the old curriculum. Should a current student request credit for a newly approved course, the advisor can assist the student on a case by case basis for exceptions.

October 14, 2020

MEMORANDUM

FROM: Professor Michael J. Struett, Chair, Department of Political Science, School of Public and International Affairs

SUBJECT: Curricula Action for Revisions of 16PSBA-16PSLJ

Proposed effective date: Spring 2021

Justification and Proposed Revisions

This curricula action proposes the revision of 16PSBA-16PSLJ (Bachelor of Arts in Political Science with a concentration in law and justice).

Revision of the above subplan is justified because it adds allowed courses to the approved electives list to ensure sufficient course options for students to sustain adequate progress towards their degrees. The following changes accomplish this purpose:

- Add PS 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 464, 471, 490, 492, 498, 502, 506, 507, 530, 531, 532, 533, 534, 536, 539, 540, 541, 542, 543, 545, 571, 585, 590, 598 to the requirement list for PS Elective 300+

Impact on Students

Current students in the major will not be impacted by the revision. They can continue under the old curriculum. Should a current student request credit for a newly approved course, the advisor can assist the student on a case by case basis for exceptions.

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Indicate display status: Current: X Proposed:

Proposed Effective Semester: **2211**

Degree/Plan Title: **BA/Political Science**

Concentration/Subplan Title: **Law and Justice Concentration**

Plan SIS Code: **16PSBA**

Subplan SIS Code: **16PSLJ**

New Degree Audit required? (Y or N) **N**

Critical Path Courses - Identify using the code (CP) which courses are considered critical path courses that represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ENG 101 Academic Writing & Research ^H	4	Foreign Language 201 ^{K, 8}	3
PS 201 American Politics & Government	3	International Requirement ^{J, 10}	3
Mathematics ^A	3	Social Sciences Elective ^{D, 7}	3
History I ^{C, 1}	3	History II ²	3
Social Sciences Elective ^{D, 7}	3	Arts & Letters Elective ⁶	3
		GEP 100-level Fitness & Wellness Course ^E	1
	Total:16		Total:16
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
PS 241 Comparative Politics ^J	3	PS 371 Research Methodology of Poli. Sci.	3
ST 311 Introduction to Statistics ^A	3	Literature II ⁴	3
Literature I ³	3	GEP Additional Breadth (MS/NS/E) ^F	3
GEP Natural Science with Lab ^B	4	Social Sciences Elective ⁷	3
GEP Health & Exercise Studies ^E	1	Additional Social Science Elective ⁷	3
	Total:14		Total:15
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
PS 305 Justice System	3	PS 362 American Political Thought	3
PS 300-level Electives ¹⁴	3	Restricted Electives ¹¹	6
Philosophy ^{C, 5}	3	GEP Interdisciplinary Perspectives ^G	2
GEP Interdisciplinary Perspective ^G	3	Free Electives ⁹	3
GEP Natural Science	3		
	Total:15		Total:14
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
PS Concentration Elective ¹³	3	PS Concentration Elective ¹³	3
PS 300-level Electives ¹⁴	3	PS Concentration Seminar ¹²	3
Free Electives ⁹	9	Free Electives ⁹	9
	Total:15		Total:15
Minimum Credit Hours Required for Graduation ^{*I, K, 15, 16} : 120			

Major/Program Footnotes:

- History I** One 3-credit course required from the College-approved History I course list (a 200-level survey course covering a culture significantly different from our own, i.e., ancient or non-Western)
- History II** One 3-credit course required from the College-approved History II course list (a 200-level survey course covering our own or a similar culture, i.e., United States or other Western Culture)
- Literature I** One 3-credit hour course required from the College-approved Literature I list (a survey course covering literature outside the U.S. and prior to the 20th century)
- Literature II** One 3-credit hour course required from the College-approved Literature II list. (any course that meets the Literature I requirement; or a course in American or Twentieth Century Literature, or an upper division survey course or literature course in a period, genre, or major figure in English, a foreign language in English translation, or the original foreign language)

5. **Philosophy** Any PHI course on the approved GEP-Humanities list
6. **Arts and Letters** One 3-credit hour course is required from the College-approved Arts & Letters course list
7. **Social Sciences** Twelve (12) credit hours required from three different disciplines, six (6) must be on GEP-Social Sciences list. At least nine (9) of the 12 credit hours must be outside of the Political Science discipline. A political science course meeting this requirement may not also be counted toward departmental requirements. **PS 391 and PS 413 may not fulfill this requirement.**
8. **Foreign Language** Completion of FLx 201, or comparable proficiency as demonstrated by examination
9. **Free Electives** Maximum 12 credit hours of free electives may be taken for credit only (S/U).
10. **International Requirement** Choose one three (3) credit hour course from major approved list.
11. **Restricted Elective** Choose six (6) credit hours of courses from major approved list.
12. **Concentration Seminar** Choose one three (3) credit hour from major approved list.
13. **Concentration Elective** Choose one three (3) credit hour from major approved list.
14. **PS 300-level Electives** Choose six (6) credit hours of 300- or higher level courses from major approved list.
15. **Major Residency Requirements** A minimum of 18 credit hours of PS courses taken at NC State with a grade of C or better.
16. **Major Grade Point Average (GPA) Requirements** A 2.0 GPA is required in all major courses with a PS prefix.

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied.

University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- A. Mathematical Sciences** (6 credit hours – one course with MA or ST prefix)
Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirement satisfied by major mathematics and ST 311 requirement.**
 - B. Natural Sciences** (7 credit hours – include one laboratory course or course with a lab)
Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
 - C. Humanities** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by College History I and Philosophy requirements.**
 - D. Social Sciences** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by College Social Sciences requirement.**
 - E. Physical Education/Healthy Living** (2 credit hours – at least one 100-level Fitness and Wellness Course)
Choose from the University approved GEP Physical Education/Healthy Living course list.
 - F. Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
_____ Humanities/Social Sciences/Visual and Performing Arts or ☒ **X** Mathematical Sciences/Natural Sciences/Engineering
 - G. Interdisciplinary Perspectives** (5-6 credit hours)
Choose from the University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
 - H. Introduction to Writing** (4 credit hours satisfied by completing ENG 101 with a C- or better)
- The following Co-Requisites must be satisfied to complete the General Education Program requirements:
- I. U.S. Diversity** (USD)
Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement:
 - J. Global Knowledge** (GK)
Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **PS 231, PS 241**
 - K. Foreign Language proficiency** - Proficiency at the FL_102 level is required for graduation.

CURRICULUM REQUIREMENTS

Format B

Degree/Plan Title: BA/Political Science	Plan SIS Code: 16PSBA
Concentration/Subplan Title: Law and Justice Concentration	Subplan SIS Code: 16PSLJ
Indicate requirements status: Current: Proposed: X <u>Proposed</u> Effective Semester: 2211	
New Degree Audit required? (Y or N) N	
<u>Critical Path Courses</u> - Identify using the code (CP) which courses are considered critical path courses that represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.	

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
Indicate if course or course groupings have a C-wall or MGPA requirement and which are considered Critical Path courses – indicate with (CP) next to applic. course.		List GEP category and hours satisfied by a Major requirement
<i>C- or better required</i>		
<u>1-Political Science</u>		
PS 201	3	
PS 241	3	Global Knowledge (co-req)
PS 371	3	
PS 231 or 236 (Requirement: 000034879)	3	Global Knowledge (co-req)
PS 362	3	
PS 305	3	
Concentration Electives (Requirement: 000033144) PS 307, 308, 309, 313, 320, 361, 415, 418, 445, 462, 506, 507, 545, WGS 418	6	
Concentration Seminar (Requirement: 000033145) PS 415, 418, 445, 462, 506, 507, 545, WGS 418	3	
PS Elective 300-level or higher (Requirement 000033146) AFS 309, LPS 315, PS 301, 302, 303, 305, 306, 307, 308, 309, 310, 312, 313, 314, 320, 331, 335, 336, 339, 341, 342, 343, 345, 353, 361, 362, 371, 391, 398, [add] PS 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 464, 471, 490, 492, 498, 502, 506, 530, 531, 532, 533, 534, 536, 539, 540, 541, 542, 543, 545, 571, 585, 590, 598, SOC 432, WGS 306, [add] wgs 418	6	
<u>2-Restricted Electives</u>	6	
Restricted Electives (Requirement: 000033147) AFS 455, COM 421, HI 324, 443, 444, 455, MIE 305, PHI 309, 312, 313, 375, 420, PRT 406, SOC 306, 427, 428, 430, 445		

Concentration Courses/Groups/Electives: <u>4-Mathematics</u> Math (Requirement 000021371) LOG 335, MA 103, 103A, 105, 107, 111, 114, 121, 131, 141, 151, 152, 205, 231, 241, 335, MSGE 295 ST 311 Introduction to Statistics	3 3	Mathematics (3) Mathematics (3)
Free Electives: (Requirement: 000033478) (12 Hr S/U Limit) Select any courses except the following: FLA 101, FLC 101, FLF 101, FLG 101, FLI 101, FLJ 101, FLN 101, FLP 101, FLR 101, FLS 101, FLS 105, GRK 101, LAT 101, MA 101, PER 101	21	
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	66	
COLLEGE REQUIREMENTS:		
Orientation Course(s):		

<p>Other: ENG 101 (C- or better required)</p> <p>History I (Requirement: 000019312) - A 200-level survey course covering a culture significantly different from our own, i.e., pre-industrial or non-Western required. Choose one 3-credit hour course from the College-approved History 1 list. AFS 275, 276, HI 207, 214, 215, 216, 232, 233, 263, 264, 270, 275, 276</p> <p>History II (Requirement: 000019313) - A 200-level survey course covering our own or a similar culture required. Choose one 3-credit hour course from the College-approved History 2 list HI 205, 208, 209, 210, 221, 222, 251, 252, 253, 254</p> <p>Literature I (Requirement: 000019314) - A survey course covering literature outside the U.S. and prior to the 20th century required. Choose one 3-credit hour course from the College-approved Literature 1 list. CLA 210, 320, ENG 219, 220, 221, 222, 251, 255, 261 or 262 (but not both), 361, FL 219, 220, 221, 222, FLF 301, FLG 320, 325, FLJ 342, 344, FLR 303, FLS 340, 341, 342, 351, HON 202</p> <p>Literature II (Requirement: 000019315)- Any course that meets the Literature I requirement, or a course in American or Twentieth Century Literature, or an upper division survey course or literature course in a period, genre, or major figure in English, a foreign language in English translation, or the original foreign language required. Choose one 3-credit hour course from the College-approved Literature list. List A - AFS 248, 349, 448, CLA 210, 320, ENG 207, 208, 209, 219, 220, 221, 222, 223, 224, 232, 246, 248, 249, 251, 252, 261, 262, 265, 266, 267, 275, 305, 339, 340, 341, 342, 349, 361, 362, 369, 370, 372, 376, 377, 380, 382, 385, 390, 392, 393, 394, 398, 399, 406, 407, 410, 420, 439, 448, 449, 451, 452, 452, 460, 462, 463, 464, 465, 466, 468, 469, 470, 476, 486, 487, FL 219, 220, 221, 223, 224, 246, 392, 393, 394, 406, 407, FLN 301, 302, 401, WGS 305 List B - ENG 219, 220, 221, 223, 224, 246, 255, 392, 393, 394, 406, FL 219, 220, 221, 222, 223, 224, 246, 392, 393, 394, 406, 407, FLF 302, 492, FLG 320, 323, 325, FLJ 342, 344, 345, FLN 301, 302, 401, FLR 303, 304, FLS 340, 341, 342, 343, 351, 352, 353, 492, HON 202</p> <p>Foreign Language 201 (Requirement: 000019319) FLA 201, FLC 201, FLF 201, FLG 201, FLI 201, FLJ 201, FLN 201, FLP 201, FLR 201, FLS 201, 212, GRK 201, LAT 201, or PER 201</p> <p>Philosophy (Requirement: 00019316) - Any PHI course on the approved GEP-Humanities list</p> <p>Arts and Letters (Requirement: 000019317) – Choose one three credit hour course from the College approved Arts and Letters list. ADN 111, 112, 212, 281, 414, AFS 230, 260 346, 375, ARC 140, 141, ARC 241, ARS 251, 252, 257, 258, 259, 306, 346, 351, 353, 354, CLA 210, COM 321, 364, 374, 411, D 231, DAN 272, 295, DS 101, ENG 282 289, 321, 323, 359, 364, 374, 375,</p>	<p>4</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p>	<p>Introduction to Writing (4)</p> <p>Humanities (3)</p> <p>Humanities (3)</p>
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<p>378, 382, 384, 395, 411, 426, 492, FL 216, FLF 318, FLG 318, FLI 318, FLR 318, FLS 360, GD 203, 303, HA 201, 202, 203, 240, 298, 395, 401, 404, 410, 498, HESM 322, 324, HI 240, 320, 402, 407, 408, HON 390, IDS 496, LAR 444, MUS 180, 181, 200, 201, 202, 205, 206, 230, 260, 306, 310, 315, 320, 330, 350, 360, REL 200, 210, 230, 298, 309, 311, 312, 314, 317, 320, 323, 327, 331, 332, 333, 334, 340, 350, 383, 402, 408, 412, 413, 423, 471, 472, 473, 482, 489, 491, 496, 498, SOC 309, STS 257, 471, THE 103, 203, 233, 303, 323, 334, 340, WGS 360, 472, 473</p> <p>Social Science (Requirement: 000019318) Additional Social Science (Requirement: 000032187) <i>(Choose three different disciplines)</i></p> <p>Anthropology: ANT 251, 252, 253, 254, 261, 295, 310, 315, 325, 330, 345, 346, 351, 354, 370, 371, 374, 389, 395, 411, 412, 416, 419, 421, 422, 424, 427, 428, 431, 433, 444, 450, 460, 464, 475, 483, 495, 496, 498, 501, 529, 585, 587, HI 587, SOC 261, WGS 444</p> <p>Agricultural Economics: ARE 201, 201A, 215, 260, 301, 303, 304, 306, 309, 311, 312, 321, 323, 332, 336, 345, 404, 412, 413, 420, 425, 433, 444, 490, 492, 493, 494, 495, EC 301, 336, 436</p> <p>Economics: ARE 301, 336, EC 201, 202, 205, 301, 302, 305, 336, 348, 351, 377, 404, 410, 413, 431, 436, 437, 449, 451, 474, 480, 490, 491, 495, 498</p> <p>Political Science: AFS 409, LPS 315, PS 101, 102, 103, 201, 202, 203, 204, 231, 236, 241, 298, 301, 302, 303, 305, 306, 307, 308, 309, 310, 312, 313, 314, 320, 331, 335, 336, 339, 341, 342, 343, 345, 361, 362, 371, 391, 398, 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 471, 490, 492, 498, 502, 506, 507, 530, 531, 532, 534, 536, 539, 540, 541, 542, 571, 585, SOC 413, 432, WGS 306, 418</p> <p>Psychology: AFS 345, EDP 304, 476, 582, PSY 200, 230, 240, 241, 242, 243, 307, 311, 312, 313, 340, 345, 360, 370, 376, 400, 406, 410, 411, 416, 420, 425, 430, 431, 436, 470, 475, 491, 495, 498, 499, 502, 504, 508, 510, 511, 541, 553, 558, 758, WGS 406</p> <p>Sociology: AFS 305, ANT 261, 428, GEO 220, PS 432, REL 309, SOC 202, 203, 203A, 204, 205, 206, 207, 220, 241, 241A, 261, 295, 300, 301, 304, 305, 306, 309, 311, 342, 350, 351, 381, 395, 400, 401, 402, 404, 405, 407, 410, 413, 414, 418, 425, 427, 428, 429, 430, 432, 440, 445, 450, 457, 465, 492, 493, 495, 498, 508, 509, 514, 533, 591, WGS 204, 304, 407</p> <p>Multidisciplinary: ENG 210, GEO 220, SOC 220, STS 402</p>	9 3	Social Science (6)
Total credit hours under College Requirements:	37	

NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS

Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category may not be subset to require a specific course from the category list. Required courses must be listed in the Major/College requirements.

Specific courses should not be listed in any of the fields below other than ENG 101.

At least one of the following must be listed:

- 1 Choose course(s) from the University Approved GEP course list for this category.
- 2 Minimum requirements are satisfied by Major/College course requirements.
- 3 Major/College course requirement satisfies **X** credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.
- 4 Co-requisite is satisfied by a Major/College course requirement.
- 5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts.

		6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements: <i>Minimum 39-40 hrs</i>	Credit hours	How will the GEP requirement be met? (Choose applicable statement from 1-6 listed above)
Mathematical Sciences (6 credits) (At least 1 course with MA or ST prefix) Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.	X	(Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major/College course requirements.
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.	7	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category.
English 101 (C- or better required) (4 credits)	X	Minimum requirements are satisfied by Major/College course (ENG 101) requirements.
Humanities (6 credits) (Courses from two different disciplines) Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.	X	(Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major/College course requirements.
Social Sciences (6 credits) (Courses from two different disciplines) Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.	X	(Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major/College course requirements.
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.	3	(Choose statement 5 or 6) Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
Interdisciplinary Perspectives (5 credits) Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.	5	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category.
Health and Exercise Studies (2 credits) (Including one Fitness and Wellness course)	2	Choose course(s) from the University Approved GEP course list for this category.
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	17	
GEP Co-Requisites:		Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.
U.S. Diversity co-requisite (USD)	n/a	(Choose statement 1 or 4) Choose course(s) from the University Approved GEP course list for this category
Global Knowledge co-requisite (GK)	n/a	(Choose statement 1 or 4) Co-requisite is satisfied by a Major/College course requirement
Foreign Language Proficiency	n/a	Proficiency at the FL_102 level required.
The following requirements must be satisfied within the College/Program:		Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"
Communication in the Major (Advanced Communication)		Satisfied by College/Program Requirements
Technology Fluency		Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	120	As applicable, indicate here the overall GPA requirement for degree completion including course completion.

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Indicate display status: Current: X Proposed:

Proposed Effective Semester: **2211**

Degree/Plan Title: **BA/Political Science**

Concentration/Subplan Title: **Public Policy Concentration**

Plan SIS Code: **16PSBA**

Subplan SIS Code: **16PSPUB**

New Degree Audit required? (Y or N) N

Critical Path Courses - Identify using the code (CP) which courses are considered critical path courses that represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ENG 101 Academic Writing & Research ^H	4	PS 241 Comparative Politics ^J	3
PS 201 American Politics & Government	3	Foreign Language 201 ^{K, 8}	3
Mathematics ^A	3	Social Sciences Elective ^{D, 7}	3
History I ^{C, 1}	3	History II ²	3
Social Sciences Elective ^{D, 7}	3	Arts & Letters Elective ⁶	3
		GEP 100-level Fitness & Wellness Course ^E	1
	Total:16		Total:16
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
PS 310 Public Policy	3	PS 371 Research Methodology of Poli. Sci.	3
ST 311 Introduction to Statistics ^A	3	Literature II ⁴	3
Literature I ³	3	GEP Additional Breadth (MS/NS/E) ^F	3
GEP Natural Science with Lab ^B	4	Social Sciences Elective ⁷	3
GEP Health & Exercise Studies ^E	1	Economics Elective ⁷	3
	Total:14		Total:15
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
PS 300-level Elective ¹⁴	3	PS Concentration Elective ¹³	3
Theory Requirement ¹¹	3	GEP Interdisciplinary Perspectives ^G	2
Philosophy ^{C, 5}	3	Free Electives ⁹	9
GEP Interdisciplinary Perspective ^G	3		
GEP Natural Science	3		
	Total:15		Total:14
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
International Requirement ^{J, 10}	3	PS Concentration Elective ¹³	3
PS Concentration Electives ¹³	3	PS Concentration Seminar ¹²	3
Free Electives ⁹	9	Free Electives ⁹	9
	Total:15		Total:15
Minimum Credit Hours Required for Graduation ^{*I, K, 15, 16} : 120			

Major/Program Footnotes:

- History I** One 3-credit course required from the College-approved History I course list (a 200-level survey course covering a culture significantly different from our own, i.e., ancient or non-Western)
- History II** One 3-credit course required from the College-approved History II course list (a 200-level survey course covering our own or a similar culture, i.e., United States or other Western Culture)
- Literature I** One 3-credit hour course required from the College-approved Literature I list (a survey course covering literature outside the U.S. and prior to the 20th century)
- Literature II** One 3-credit hour course required from the College-approved Literature II list. (any course that meets the Literature I requirement; or a course in American or Twentieth Century Literature, or an upper division survey course or literature course in a period, genre, or major figure in English, a foreign language in English translation, or the original foreign language)
- Philosophy** Any PHI course on the approved GEP-Humanities list
- Arts and Letters** One 3-credit hour course is required from the College-approved Arts & Letters course list

7. **Social Sciences** Twelve (12) credit hours required from three different disciplines, six (6) must be on GEP-Social Sciences list. At least nine (9) of the 12. credit hours must be outside of the Political Science discipline. A political science course meeting this requirement may not also be counted toward departmental requirements. **PS 391 and PS 413 may not fulfill this requirement.**
8. **Foreign Language** Completion of FLx 201, or comparable proficiency as demonstrated by examination
9. **Free Electives** Maximum 12 credit hours of free electives may be taken for credit only (S/U).
10. **International Requirement** Choose one three (3) credit hour course from major approved list.
11. **Theory Requirement** Choose one three (3) credit hour course from major approved list.
12. **Concentration Seminar** Choose one three (3) credit hour from major approved list.
13. **Concentration Elective** Choose one three (3) credit hour from major approved list.
14. **PS 300-level Electives** Choose six (6) credit hours of 300- or higher level courses from major approved list.
15. **Major Residency Requirements** A minimum of 18 credit hours of PS courses taken at NC State with a grade of C or better.
16. **Major Grade Point Average (GPA) Requirements** A 2.0 GPA is required in all major courses with a PS prefix.

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied.

University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- A. Mathematical Sciences** (6 credit hours – one course with MA or ST prefix)
Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirement satisfied by major mathematics and ST 311 requirement.**
- B. Natural Sciences** (7 credit hours – include one laboratory course or course with a lab)
Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
- C. Humanities** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by College History I and Philosophy requirements.**
- D. Social Sciences** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by College Social Sciences requirement.**
- E. Physical Education/Healthy Living** (2 credit hours – at least one 100-level Fitness and Wellness Course)
Choose from the University approved GEP Physical Education/Healthy Living course list.
- F. Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
_____ Humanities/Social Sciences/Visual and Performing Arts or ☒ **X** Mathematical Sciences/Natural Sciences/Engineering
- G. Interdisciplinary Perspectives** (5-6 credit hours)
Choose from the University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
- H. Introduction to Writing** (4 credit hours satisfied by completing ENG 101 with a C- or better)

The following **Co-Requisites** must be satisfied to complete the General Education Program requirements:
- I. U.S. Diversity** (USD)
Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement:
- J. Global Knowledge** (GK)
Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **PS 231, PS 236 or PS 241**
- K. Foreign Language proficiency** - Proficiency at the FL_102 level is required for graduation.

CURRICULUM REQUIREMENTS

Format B

Degree/Plan Title: BA/Political Science	Plan SIS Code: 16PSBA
Concentration/Subplan Title: Public Policy Conc	Subplan SIS Code: 16PSPUB
Indicate requirements status: Current: Proposed: X	<u>Proposed</u> Effective Semester: 2211
New Degree Audit required? (Y or N) N	
<u>Critical Path Courses</u> - Identify using the code (CP) which courses are considered critical path courses that represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.	

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
Indicate if course or course groupings have a C-wall or MGPA requirement and which are considered Critical Path courses – indicate with (CP) next to applic. course.		List GEP category and hours satisfied by a Major requirement
<p><i>C- or better required</i></p> <p><u>1-Public Policy Concentration</u></p> <p>Public Policy Concentration (Requirement: 000034880)</p> <p>[add] PA 509, 511, PS 202, 203, 301, 303, 306, 308, 312, [add] PS 313, 314, 320, 331, 336, [add] PS 401, 415, 418, 431, 432, 433, 437, 506, 507, WGS 306, [add] WGS 418</p> <p>Concentration Seminar (Requirement: 000023765)</p> <p>PA 509, 511, PS 401, 415, 418, 431, 432, 433, 437, 445, 463, 506, 507, WGS 418</p> <p><u>2-Departmental Requirements</u></p> <p>PS 201</p> <p>PS 241</p> <p>PS 371</p> <p>PS 310</p> <p>International (Requirement 000021279) – PS 231, 236</p> <p>Theory (Requirement 000021255) – PS 361, 362</p> <p>PS Electives 300+ level (Requirement 000023763) – LPS 315, PS 301, 302, 303, 305, 306, 307, 308, 309, 310, 312, 313, 314, 320, 331, 335, 336, 339, 341, 342, 343, 345, 353, 361, 362, 371, 391, 398, [add] PS 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 464, 471, 490, 492, 498, 502, 506, 507, 530, 532, 533, 534, 536, 539, 540, 541, 542, 543, 545, 571, 585, 590, 598, WGS 306, [add] WGS 418</p>	<p>9</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p>	<p>Global Knowledge (co-req)</p> <p>Global Knowledge (co-req)</p>
<p><u>Concentration Courses/Groups/Electives:</u></p> <p><u>Mathematics</u></p> <p>Math Science MA or ST (Requirement 000021371) – LOG 335, MA 103, 103A, 105, 107, 111, 114, 121, 131, 141, 151, 152, 205, 231, 241, 335, MSGE 295, ST 101, 311, 312</p> <p>ST 311 Introduction to Statistics</p>	<p>3</p> <p>3</p>	<p>Mathematics (3)</p> <p>Mathematics (3)</p>

Free Electives: (Requirement: 000033474) (12 Hr S/U Limit) Select any courses except the following: [delete] ARE 201, 201A, EC 201 , FLA 101, FLC 101, FLF 101, FLG 101, FLI 101, FLJ 101, FLN 101, FLP 101, FLR 101, FLS 101, FLS 105, GRK 101, LAT 101, MA 101, PER 101	27	
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	66	
COLLEGE REQUIREMENTS:		
Orientation Course(s):		
Other: ENG 101 (C- or better required) History I (Requirement: 000019312) - A 200-level survey course covering a culture significantly different from our own, i.e., pre-industrial or non-Western required. Choose one 3-credit hour course from the College-approved History 1 list. AFS 275, 276, HI 207, 214, 215, 216, 232, 233, 263, 264, 270, 275, 276 History II (Requirement: 000019313) - A 200-level survey course covering our own or a similar culture required. Choose one 3-credit hour course from the College-approved History 2 list HI 205, 208, 209, 210, 221, 222, 251, 252, 253, 254 Literature I (Requirement: 000019314) - A survey course covering literature outside the U.S. and prior to the 20th century required. Choose one 3-credit hour course from the College-approved Literature 1 list. CLA 210, 320, ENG 219, 220, 221, 222, 251, 255, 261 or 262 (<i>but not both</i>), 361, FL 219, 220, 221, 222, FLF 301, FLG 320, 325, FLJ 342, 344, FLR 303, FLS 340, 341, 342, 351, HON 202 Literature II (Requirement: 000019315)- Any course that meets the Literature I requirement, or a course in American or Twentieth Century Literature, or an upper division survey course or literature course in a period, genre, or major figure in English, a foreign language in English translation, or the original foreign language required. Choose one 3-credit hour course from the College-approved Literature list. List A - AFS 248, 349, 448, CLA 210, 320, ENG 207, 208, 209, 219, 220, 221, 222, 223, 224, 232, 246, 248, 249, 251, 252, 261, 262, 265, 266, 267, 275, 305, 339, 340, 341, 342, 349, 361, 362, 369, 370, 372, 376, 377, 380, 382, 385, 390, 392, 393, 394, 398, 399, 406, 407, 410, 420, 439, 448, 449, 451, 452, 452, 460, 462, 463, 464, 465, 466, 468, 469, 470, 476, 486, 487, FL 219, 220, 221, 223, 224, 246, 392, 393, 394, 406, 407, FLN 301, 302, 401, WGS 305 List B - ENG 219, 220, 221, 223, 224, 246, 255, 392, 393, 394, 406, FL 219, 220, 221, 222, 223, 224, 246, 392, 393, 394, 406, 407, FLF 302, 492, FLG 320, 323, 325, FLJ 342, 344, 345, FLN 301, 302, 401, FLR 303, 304, FLS 340, 341, 342, 343, 351, 352, 353, 492, HON 202 Foreign Language 201 (Requirement: 000019319)	4 3 3 3 3 3	Introduction to Writing (4) Humanities (3)

<p>FLA 201, FLC 201, FLF 201, FLG 201, FLI 201, FLJ 201, FLN 201, FLP 201, FLR 201, FLS 201, 212, GRK 201, LAT 201, or PER 201</p> <p>Philosophy (Requirement: 00019316) - Any PHI course on the approved GEP-Humanities list</p> <p>Arts and Letters (Requirement: 000019317) – Choose one three credit hour course from the College approved Arts and Letters list.</p> <p>ADN 111, 112, 212, 281, 414, AFS 230, 260 346, 375, ARC 140, 141, ARC 241, ARS 251, 252, 257, 258, 259, 306, 346, 351, 353, 354, CLA 210, COM 321, 364, 374, 411, D 231, DAN 272, 295, DS 101, ENG 282 289, 321, 323, 359, 364, 374, 375, 378, 382, 384, 395, 411, 426, 492, FL 216, FLF 318, FLG 318, FLI 318, FLR 318, FLS 360, GD 203, 303, HA 201, 202, 203, 240, 298, 395, 401, 404, 410, 498, HESM 322, 324, HI 240, 320, 402, 407, 408, HON 390, IDS 496, LAR 444, MUS 180, 181, 200, 201, 202, 205, 206, 230, 260, 306, 310, 315, 320, 330, 350, 360, REL 200, 210, 230, 298, 309, 311, 312, 314, 317, 320, 323, 327, 331, 332, 333, 334, 340, 350, 383, 402, 408, 412, 413, 423, 471, 472, 473, 482, 489, 491, 496, 498, SOC 309, STS 257, 471, THE 103, 203, 233, 303, 323, 334, 340, WGS 360, 472, 473</p> <p>Social Science (Requirement: 000022834) (Choose three different disciplines)</p> <p>Anthropology: ANT 251, 252, 253, 254, 261, 295, 310, 315, 325, 330, 345, 346, 351, 354, 370, 371, 374, 389, 395, 411, 412, 416, 419, 421, 422, 424, 427, 428, 431, 433, 444, 450, 460, 464, 475, 483, 495, 496, 498, 501, 529, 585, 587, HI 587, SOC 261, WGS 444</p> <p>Agricultural Economics: ARE [add] 201, 201A, 215, 260, 301, 303, 304, 306, 309, 311, 312, 321, 323, 332, 336, 345, 404, 412, 413, 420, 425, 433, 444, 490, 492, 493, 494, 495, EC 301, 336, 436</p> <p>Economics: ARE 301, 336, EC [add] 201, 301, 302, 305, 336, 348, 351, 377, 404, 410, 413, 431, 436, 437, 449, 451, 474, 480, 490, 491, 495, 498</p> <p>Political Science: AFS 409, LPS 315, PS 101, 102, 103, 201, 202, 203, 204, 231, 236, 241, 298, 301, 302, 303, 305, 306, 307, 308, 309, 310, 312, 313, 314, 320, 331, 335, 336, 339, 341, 342, 343, 345, 361, 362, 371, 398, 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 471, 490, 492, 498, 502, 506, 507, 530, 531, 532, 534, 536, 539, 540, 541, 542, 571, 585, SOC 413, 432, WGS 306, 418 <i>Note-PS 391 may not fulfill this requirement.</i></p> <p>Psychology: AFS 345, EDP 304, 476, 582, PSY 200, 230, 240, 241, 242, 243, 307, 311, 312, 313, 340, 345, 360, 370, 376, 400, 406, 410, 411, 416, 420, 425, 430, 431, 436, 470, 475, 491, 495, 498, 499, 502, 504, 508, 510, 511, 541, 553, 558, 758, WGS 406</p> <p>Sociology: AFS 305, ANT 261, 428, GEO 220, PS 432, REL 309, SOC 202, 203, 203A, 204, 205, 206, 207, 220, 241, 241A, 261, 295, 300, 301, 304, 305, 306, 309, 311, 342, 350, 351, 381, 395, 400, 401, 402, 404, 405, 407, 410, 413, 414, 418, 425, 427, 428, 429, 430, 432, 440, 445, 450, 457, 465, 492, 493, 495, 498, 508, 509, 514, 533, 591, WGS 204, 304, 407</p> <p>Multidisciplinary: ENG 210, GEO 220, SOC 220, STS 402</p>	<p>3</p> <p>3</p> <p>9</p> <p>3</p>	<p>Humanities (3)</p> <p>Social Science (3)</p> <p>Social Science (3)</p>
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Economic Elective (Requirement: 000034878) ARE 202, EC 202, 205		
Total credit hours under College Requirements:	37	

<u>NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS</u> <i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category <u>may not be subset</u> to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i> <i>Specific courses should not be listed in any of the fields below other than ENG 101.</i>		<u>At least one of the following must be listed:</u> 1 Choose course(s) from the University Approved GEP course list for this category. 2 Minimum requirements are satisfied by Major/College course requirements. 3 Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category. 4 Co-requisite is satisfied by a Major/College course requirement. 5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. 6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements: <i>Minimum 39-40 hrs</i>	Credit hours	How will the GEP requirement be met? (Choose applicable statement from 1-6 listed above)
Mathematical Sciences (6 credits) (At least 1 course with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements.
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	7	<i>(Choose statement 1, 2 or 3)</i> Choose course(s) from the University Approved GEP course list for this category.
English 101 (C- or better required) (4 credits)	X	Minimum requirements are satisfied by Major/College course (ENG 101) requirements.
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements.
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements.
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.</i>	3	<i>(Choose statement 5 or 6)</i> Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
Interdisciplinary Perspectives (5 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	5	<i>(Choose statement 1, 2 or 3)</i> Choose course(s) from the University Approved GEP course list for this category.
Health and Exercise Studies (2 credits) (Including one Fitness and Wellness course)	2	Choose course(s) from the University Approved GEP course list for this category.
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	17	
GEP Co-Requisites:		<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.</i>
U.S. Diversity co-requisite (USD)	n/a	<i>(Choose statement 1 or 4)</i> Choose course(s) from the University Approved GEP course list for this category.
Global Knowledge co-requisite (GK)	n/a	<i>(Choose statement 1 or 4)</i> Co-requisite is satisfied by a Major/College course requirement

Foreign Language Proficiency	n/a	Proficiency at the FL_102 level required.
The following requirements must be satisfied within the College/Program:		Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"
Communication in the Major (Advanced Communication)		Satisfied by College/Program Requirements
Technology Fluency		Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	120	As applicable, indicate here the overall GPA requirement for degree completion including course completion.

October 14, 2020

MEMORANDUM

FROM: Professor Michael J. Struett, Chair, Department of Political Science, School of Public and International Affairs

SUBJECT: Curricula Action for Revisions of 16PSBA-16PSINT

Proposed effective date: Spring 2021

Justification and Proposed Revisions

This curricula action proposes the revision of 16PSBA-16PSINT (Bachelor of Arts in Political Science with a concentration in international and comparative politics).

Revision of the above subplan is justified because it adds allowed courses to the approved electives list to ensure sufficient course options for students to sustain adequate progress towards their degrees. Additionally, it allows for the study of economics, a beneficial field of study for political science students, with free electives. The following changes accomplish this purpose:

- Add PS 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 464, 471, 490, 492, 498, 502, 506, 507, 530, 531, 532, 533, 534, 536, 539, 540, 541, 542, 543, 545, 571, 585, 590, 598 to the requirement list for PS Elective 300+
- Add ARE 201, ARE 201A, and EC 201 to the approved social science electives list.
- The following courses are removed from the free elective exclusion list because a previous curriculum change removed the requirement conflict; ARE 201, ARE 201A, and EC 201

Impact on Students

Current students in the major will not be impacted by the revision. They can continue under the old curriculum. Should a current student request credit for a newly approved course, the advisor can assist the student on a case by case basis for exceptions.

October 14, 2020

MEMORANDUM

FROM: Professor Michael J. Struett, Chair, Department of Political Science, School of Public and International Affairs

SUBJECT: Curricula Action for Revisions of 16OSM

Proposed effective date: Spring 2021

Justification and Proposed Revisions

This curricula action proposes the revision of 16OSM (Minor-Political Science).

Revision of the above subplan is justified because it clarifies the expected seminar requirement to ensure students take a class with peers in political science as opposed to independent research or SOC course for their seminar. The following changes accomplish this purpose:

- PS 490, PS 492, SOC 413, and SOC 432 removed from the requirement details list for the Seminar Requirement. These courses do not meet the goal of a small group, discussion-based pedagogy specifically in political science.
- SOC 413 and SOC 432 removed from Discipline Elective list because these courses no longer have the same overlap of discipline information due to syllabus changes
- SOC 413 and SOC 432 removed from PS 300+ level electives because these courses no longer have the same overlap of discipline information due to syllabus changes
- In the discipline breadth verification requirement, the following changes need to be made:
 - Remove SOC 413 from the Amer Politics/Policy & Admin list.
 - Remove SOC 432 from the Interntil Affairs/Comp Politics List
- PS 498 is added to the requirement details list for the Seminar Requirement.

Impact on Students

Current students in the major will not be impacted by the revision. They can continue under the old curriculum.

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Indicate display status: Current: X Proposed:

Proposed Effective Semester: **2211**

Degree/Plan Title: **BA/Political Science**

Concentration/Subplan Title: **International Politics Concentration**

Plan SIS Code: **16PSBA**

Subplan SIS Code: **16PSINT**

New Degree Audit required? (Y or N) **N**

Critical Path Courses - Identify using the code (CP) which courses are considered critical path courses that represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ENG 101 Academic Writing & Research ^H	4	Foreign Language 201 ^{K, 8}	3
PS 201 American Politics & Government	3	PS 241 Comparative Politics ^J	3
Mathematics ^A	3	Social Sciences Elective ^{D, 7}	3
History I ^{C, 1}	3	History II ²	3
Social Sciences Elective ^{D, 7}	3	Arts & Letters Elective ⁶	3
		GEP 100-level Fitness & Wellness Course ^E	1
	Total:16		Total:16
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
Law & Justice/Public Policy Requirement ¹⁰	3	PS 371 Research Methodology of Poli. Sci.	3
ST 311 Introduction to Statistics ^A	3	Literature II ⁴	3
Literature I ³	3	GEP Additional Breadth (MS/NS/E) ^F	3
GEP Natural Science with Lab ^B	4	Social Sciences Elective ⁷	3
GEP Health & Exercise Studies ^E	1	Economics Elective ⁷	3
	Total:14		Total:15
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
PS 231 Introduction to International Relations ^J	3	PS Concentration Elective ¹²	3
PS 361 Introduction to Political Theory	3	GEP Interdisciplinary Perspectives ^G	2
Philosophy ^{C, 5}	3	Free Electives ⁹	9
GEP Interdisciplinary Perspective ^G	3		
GEP Natural Science	3		
	Total:15		Total:14
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
PS Concentration Elective ¹²	3	PS Concentration Elective ¹²	3
PS 300-level Electives ¹³	3	PS Concentration Seminar ¹¹	3
Free Electives ⁹	9	Free Electives ⁹	9
	Total:15		Total:15
Minimum Credit Hours Required for Graduation ^{*I, K, 14, 15} : 120			

Major/Program Footnotes:

- History I** One 3-credit course required from the College-approved History I course list (a 200-level survey course covering a culture significantly different from our own, i.e., ancient or non-Western)
- History II** One 3-credit course required from the College-approved History II course list (a 200-level survey course covering our own or a similar culture, i.e., United States or other Western Culture)
- Literature I** One 3-credit hour course required from the College-approved Literature I list (a survey course covering literature outside the U.S. and prior to the 20th century)
- Literature II** One 3-credit hour course required from the College-approved Literature II list. (any course that meets the Literature I requirement; or a course in American or Twentieth Century Literature, or an upper division survey course or literature course in a period, genre, or major figure in English, a foreign language in English translation, or the original foreign language)

5. **Philosophy** Any PHI course on the approved GEP-Humanities list
6. **Arts and Letters** One 3-credit hour course is required from the College-approved Arts & Letters course list
7. **Social Sciences** Twelve (12) credit hours required from three different disciplines, six (6) must be on GEP-Social Sciences list. At least nine (9) of the 12 credit hours must be outside of the Political Science discipline. A political science course meeting this requirement may not also be counted toward departmental requirements. **PS 391 and PS 413 may not fulfill this requirement.**
8. **Foreign Language** Completion of FLx 201, or comparable proficiency as demonstrated by examination
9. **Free Electives** Maximum 12 credit hours of free electives may be taken for credit only (S/U).
10. **Law & Justice/Public Policy Requirement** Choose one three (3) credit hour course from major approved list.
11. **Concentration Seminar** Choose one three (3) credit hour from major approved list.
12. **Concentration Elective** Choose one three (3) credit hour from major approved list.
13. **PS 300-level Electives** Choose six (6) credit hours of 300- or higher level courses from major approved list.
14. **Major Residency Requirements** A minimum of 18 credit hours of PS courses taken at NC State with a grade of C or better.
15. **Major Grade Point Average (GPA) Requirements** A 2.0 GPA is required in all major courses with a PS prefix.

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied.

University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- A. Mathematical Sciences** (6 credit hours – one course with MA or ST prefix)
Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirement satisfied by major mathematics and ST 311 requirement.**
 - B. Natural Sciences** (7 credit hours – include one laboratory course or course with a lab)
Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
 - C. Humanities** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by College History I and Philosophy requirements.**
 - D. Social Sciences** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by College Social Sciences requirement.**
 - E. Physical Education/Healthy Living** (2 credit hours – at least one 100-level Fitness and Wellness Course)
Choose from the University approved GEP Physical Education/Healthy Living course list.
 - F. Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
_____ Humanities/Social Sciences/Visual and Performing Arts or ☒ **X** Mathematical Sciences/Natural Sciences/Engineering
 - G. Interdisciplinary Perspectives** (5-6 credit hours)
Choose from the University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
 - H. Introduction to Writing** (4 credit hours satisfied by completing ENG 101 with a C- or better)
- The following Co-Requisites must be satisfied to complete the General Education Program requirements:
- I. U.S. Diversity (USD)**
Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement:
 - J. Global Knowledge (GK)**
Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **PS 231, PS 241**
 - K. Foreign Language proficiency** - Proficiency at the FL_102 level is required for graduation.

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Indicate display status: Current: X Proposed:

Proposed Effective Semester: **2211**

Degree/Plan Title: **BA/Political Science**

Concentration/Subplan Title: **International Politics Concentration**

Plan SIS Code: **16PSBA**

Subplan SIS Code: **16PSINT**

New Degree Audit required? (Y or N) **N**

Critical Path Courses - Identify using the code (CP) which courses are considered critical path courses that represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ENG 101 Academic Writing & Research ^H	4	Foreign Language 201 ^{K, 8}	3
PS 201 American Politics & Government	3	PS 241 Comparative Politics ^J	3
Mathematics ^A	3	Social Sciences Elective ^{D, 7}	3
History I ^{C, 1}	3	History II ²	3
Social Sciences Elective ^{D, 7}	3	Arts & Letters Elective ⁶	3
		GEP 100-level Fitness & Wellness Course ^E	1
	Total:16		Total:16
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
Law & Justice/Public Policy Requirement ¹⁰	3	PS 371 Research Methodology of Poli. Sci.	3
ST 311 Introduction to Statistics ^A	3	Literature II ⁴	3
Literature I ³	3	GEP Additional Breadth (MS/NS/E) ^F	3
GEP Natural Science with Lab ^B	4	Social Sciences Elective ⁷	3
GEP Health & Exercise Studies ^E	1	Economics Elective ⁷	3
	Total:14		Total:15
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
PS 231 Introduction to International Relations ^J	3	PS Concentration Elective ¹²	3
PS 361 Introduction to Political Theory	3	GEP Interdisciplinary Perspectives ^G	2
Philosophy ^{C, 5}	3	Free Electives ⁹	9
GEP Interdisciplinary Perspective ^G	3		
GEP Natural Science	3		
	Total:15		Total:14
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
PS Concentration Elective ¹²	3	PS Concentration Elective ¹²	3
PS 300-level Electives ¹³	3	PS Concentration Seminar ¹¹	3
Free Electives ⁹	9	Free Electives ⁹	9
	Total:15		Total:15
Minimum Credit Hours Required for Graduation ^{*I, K, 14, 15} : 120			

Major/Program Footnotes:

- History I** One 3-credit course required from the College-approved History I course list (a 200-level survey course covering a culture significantly different from our own, i.e., ancient or non-Western)
- History II** One 3-credit course required from the College-approved History II course list (a 200-level survey course covering our own or a similar culture, i.e., United States or other Western Culture)
- Literature I** One 3-credit hour course required from the College-approved Literature I list (a survey course covering literature outside the U.S. and prior to the 20th century)
- Literature II** One 3-credit hour course required from the College-approved Literature II list. (any course that meets the Literature I requirement; or a course in American or Twentieth Century Literature, or an upper division survey course or literature course in a period, genre, or major figure in English, a foreign language in English translation, or the original foreign language)

5. **Philosophy** Any PHI course on the approved GEP-Humanities list
6. **Arts and Letters** One 3-credit hour course is required from the College-approved Arts & Letters course list
7. **Social Sciences** Twelve (12) credit hours required from three different disciplines, six (6) must be on GEP-Social Sciences list. At least nine (9) of the 12 credit hours must be outside of the Political Science discipline. A political science course meeting this requirement may not also be counted toward departmental requirements. **PS 391 and PS 413 may not fulfill this requirement.**
8. **Foreign Language** Completion of FLx 201, or comparable proficiency as demonstrated by examination
9. **Free Electives** Maximum 12 credit hours of free electives may be taken for credit only (S/U).
10. **Law & Justice/Public Policy Requirement** Choose one three (3) credit hour course from major approved list.
11. **Concentration Seminar** Choose one three (3) credit hour from major approved list.
12. **Concentration Elective** Choose one three (3) credit hour from major approved list.
13. **PS 300-level Electives** Choose six (6) credit hours of 300- or higher level courses from major approved list.
14. **Major Residency Requirements** A minimum of 18 credit hours of PS courses taken at NC State with a grade of C or better.
15. **Major Grade Point Average (GPA) Requirements** A 2.0 GPA is required in all major courses with a PS prefix.

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied.

University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- A. Mathematical Sciences** (6 credit hours – one course with MA or ST prefix)
Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirement satisfied by major mathematics and ST 311 requirement.**
 - B. Natural Sciences** (7 credit hours – include one laboratory course or course with a lab)
Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
 - C. Humanities** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by College History I and Philosophy requirements.**
 - D. Social Sciences** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **Minimum requirements are satisfied by College Social Sciences requirement.**
 - E. Physical Education/Healthy Living** (2 credit hours – at least one 100-level Fitness and Wellness Course)
Choose from the University approved GEP Physical Education/Healthy Living course list.
 - F. Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
_____ Humanities/Social Sciences/Visual and Performing Arts or ☒ **X** Mathematical Sciences/Natural Sciences/Engineering
 - G. Interdisciplinary Perspectives** (5-6 credit hours)
Choose from the University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement:
 - H. Introduction to Writing** (4 credit hours satisfied by completing ENG 101 with a C- or better)
- The following Co-Requisites must be satisfied to complete the General Education Program requirements:
- I. U.S. Diversity (USD)**
Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement:
 - J. Global Knowledge (GK)**
Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **PS 231, PS 241**
 - K. Foreign Language proficiency** - Proficiency at the FL_102 level is required for graduation.

MINOR FIELD OF STUDY REQUIREMENTS:		
Required Courses/Groups/ Electives:	Credit Hours	Notes
Indicate if course or course groupings have a C-wall or MGPA requirement and which are considered Critical Path courses – indicate with (CP) next to applic. course.		
<p>C? or better required in courses that count towards the minor</p> <p>1-Minor Courses</p> <p>Advanced Courses (Requirement:000031727)</p> <p>AFS 409, LPS 315, PS 301, 302, 303, 306, 307, 308, 309, 310, 312, 313, 314, 320, 331, 335, 336, 339, 341, 342, 343, 345, 353, 361, 362, 371, 391, 398, 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 464, 471, 490, 492, 498, 543, 545, [delete]SOC 413-432, WGS 306, 418</p> <p>Discipline Elective (Requirement: 000031729)</p> <p><i>Amer Politics/Policy & Admin</i></p> <p>AFS 409, LPS 315, PS 201, 202, 203, 204, 301, 302, 303, 305, 306, 307, 308, 309, 310, 312, 313, 314, 401, 409, 411, 415, 418, 502, 506, 507, [delete]SOC 413, WGS 306, 418</p> <p><i>Interntl Affairs/Comp Politics</i></p> <p>PS 231, 236, 241, 331, 335, 336, 339, 341, 342, 343, 345, 431, 432, 433, 437, 443, 445, 530, 531, 532, 533, 536, 539, 540, 542, 543, 545, [delete]SOC 432</p> <p><i>Politic Theory/Soc Sci Methods</i></p> <p>PS 361, 362, 371, 462, 463, 471, 571</p> <p>2-Seminar Requirement</p> <p>Seminar Course Requirement (Requirement: 000031728)</p> <p>AFS 409, PS 401, 409, 411, 415, 418, 431, 432, 433, 437, 443, 445, 462, 463, 464, 471, [delete] 490-492, [add] PS 498, 502, 506, 507, 530, 531, 532, 533, 534, 536, 539, 540, 541, 542, 543, 544, 545, 546, 547, 560, 561, 571, 585, 590, [delete]SOC 413-432, WGS 418</p>	<p>9</p> <p>3</p> <p>3</p>	

<p>3 -Discipline Breadth Verify Discipline Breadth Requirement (Requirement: 000031730) <i>This is a verify requirement and may not require additional hours. At least 2 courses in the Political Science minor must come from two different disciplines Political Science subfields.</i></p> <p><i>Subfield A: Amer Politics/Policy & Admin</i> AFS 409, LPS 315, PS 201, 202, 203, 204, 301, 302, 303, 305, 306, 307, 308, 309, 310, 312, 313, 314, 401, 409, 411, 415, 418, 502, 506, 507, SOC 413, WGS 306, 418</p> <p><i>Subfield B: Interntl Affairs/Comp Politics</i> PS 231, 236, 241, 331, 335, 336, 339, 341, 342, 343, 345, 431, 432, 433, 437, 443, 445, 530, 531, 532, 533, 536, 539, 540, 542, 543, 545, SOC 432</p> <p><i>Subfield C: Politic Theory/Soc Sci Methods</i> PS 361, 362, 371, 462, 463, 471, 571</p>	<p>Verify 6</p>	<p><i>At least 2 courses in the Political Science minor must come from two different disciplines Political Science subfields.</i></p>
<p>Total credit hours required to complete minor <i>Minimum 15 hours required</i></p>	<p>15</p>	

Political Science (16OSM) (current)

Description

The minor in Political Science is open to all students. It will prepare them to be well-informed and politically active citizens as well as prepare them for graduate study in political science, public administration or law. Students will learn how laws are created and enforced, the diversity of political cultures, the problems of the world community, and more. No courses for the minor may be taken for S/U credit.

Requirements

- Completion of 15 hours of political science courses.
- A grade of “C-” or better in each course.
- A maximum of ONE (1) course may be used (double-counted) towards both departmental major requirements and minor requirements.

Required Courses

NONE

Elective Courses

(9 hours)

Choose 3 political science courses at the 300-level or higher.

(3 hours)

Choose 1 seminar course (3 hours) which must be a 400-500 level course listed with an “S” after the course number, or any 498 or 598 course with the word “seminar” in its title, or other course designated as a seminar for a given semester.

(3 hours minimum)

Choose a minimum of 1 course (3 hours) selected from two of the following three pairs of sub-fields:

- Pair A: American politics/policy & administration
- Pair B: International affairs/comparative politics
- Pair C: Political theory/social scientific methods

(courses in Pair A have a middle digit of 0 or 1; courses in Pair B a middle digit of 3 or 4; and courses in Pair C a middle digit of 6 or 7)

Admissions

Students may declare their intention to complete the Political Science minor by consulting with Susan Lawhead as listed below.

Certification

Susan Lawhead will certify the minor prior to graduation. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork for certification should be completed no later than during the registration period for the student's final semester at NC State.

Contact Person

Susan Lawhead
Caldwell 228
919-515-5025
srlawhea@ncsu.edu

SIS Code: 16OSM

Political Science (16OSM) (revised)

Description

The minor in Political Science is open to all students. It will prepare them to be well-informed and politically active citizens as well as prepare them for graduate study in political science, public administration or law. Students will learn how laws are created and enforced, the diversity of political cultures, the problems of the world community, and more. No courses for the minor may be taken for S/U credit.

Requirements

- Completion of 15 hours of political science courses.
- A grade of “C” C- or better in each course. *{please correct typo}*
- A maximum of ONE (1) course may be used (double-counted) towards both departmental major requirements and minor requirements.

Required Courses

NONE

Elective Courses

(9 hours)

Choose 3 political science courses at the 300-level or higher.

(3 hours)

Choose 1 seminar course (3 hours) which must be an approved 400-500 level course. ~~[delete listed with an “S” after the course number, or any 498 or 598 course with the word “seminar” in its title, or other course designated as a seminar for a given semester.]~~

(3 hours minimum)

Choose a minimum of 1 course (3 hours) selected from two of the following three pairs of subfields:

- **Pair** Subfield A: American politics/policy & administration
- **Pair** Subfield B: International affairs/comparative politics
- **Pair** Subfield C: Political theory/social scientific methods

(courses in **Pair** Subfield A have a middle digit of 0 or 1; courses in **Pair** Subfield B a middle digit of 3 or 4; and courses in **Pair** Subfield C a middle digit of 6 or 7)

Admissions

Students may declare their intention to complete the Political Science minor by consulting with Susan Lawhead as listed below.

Certification

~~Susan Lawhead will certify the minor prior to graduation. The minor must be completed no later than the semester in which the student expects to graduate from his or her~~ **their** degree program. **[delete]** ~~Paperwork for certification should be completed no later than during the registration period for the student's final semester at NC State].~~

Contact Person

Susan Lawhead
Caldwell 228
919-515-5025
[*srlawhea@ncsu.edu*](mailto:srlawhea@ncsu.edu)

SIS Code: 16OSM

North Carolina State University

This request has been reviewed and approved by the appropriate campus committees and authorities.

**Completed Proposal
Endorsed By:**

Head, Department/Program

Date _____

Recommended By:

David R A.

12/15/2020

Chair, College Curriculum Committee

Date _____

Endorsed By:

Endorsed By: Deanna Daniels

12-16-2020 *[Signature]*
Date

College Dean

Date _____

Proposal moves to Undergraduate or Graduate office for routing
Recommended By:

Vice Provost, DELTA (if DE degree/certificate)

Date _____

Recommended By:

Chair, University Courses & Curricula Committee
or Administrative Board of the Graduate School

Date _____

Approved By:

Dean, DASA or the Graduate School

NC STATE

Hope Ziglar <hziglar@ncsu.edu>

Re: Approval Request-HSS curricula revisions

1 message

David Austin <david_austin@ncsu.edu>

Tue, Dec 15, 2020 at 4:56 PM

To: Hope Ziglar <hziglar@ncsu.edu>

I confirm my approval for all the listed curricular actions.

Thanks for all of your work on these.

David.

On Tue, Dec 15, 2020 at 3:28 PM Hope Ziglar <hziglar@ncsu.edu> wrote:

Hello,

Please sign the attached, or confirm via email, approval for submitting these curricula actions to UCCC for review.

16HISTBA - History footnote corrections

16PHM - Philosophy minor revisions (signature page signed by Dr. Austin included in action)

16PSBA and 16OSM - Political Science BA and PS minor revisions

Let me know if you have any questions.

--

Hope Ziglar
Student Services Specialist
College of Humanities and Social Sciences
NC State University
106 E Caldwell Hall
919 513-1831 Voice
919 515 9419 Fax

--

David F. Austin <david_austin@ncsu.edu>
Associate Professor of Philosophy and Associate Head
Department of Philosophy and Religious Studies,
<https://philrel.chass.ncsu.edu/>
Box 8103, 101 Lampe Dr
North Carolina State University
Raleigh, NC 27695-8103
(919) 515-6333
FAX (office): (919) 513-4351
Withers Hall 340B
Chair, H&SS Undergraduate Committee - Course and Curriculum Actions, 2014-2021

"All electronic mail messages in connection with State business which are sent to or received by this account are subject to the NC Public Records Law and may be disclosed to third parties."

**1b_2020-2021 Signature PageDFA-S.docx**

43K

NC STATE

Hope Ziglar <hziglar@ncsu.edu>

Re: Approval Request-HSS curricula revisions

1 message

Deanna Dannels <dpdannel@ncsu.edu>

Wed, Dec 16, 2020 at 8:16 AM

To: Hope Ziglar <hziglar@ncsu.edu>

Cc: David Austin <david_austin@ncsu.edu>

Approved!

On Tue, Dec 15, 2020 at 3:28 PM Hope Ziglar <hziglar@ncsu.edu> wrote:

Hello,

Please sign the attached, or confirm via email, approval for submitting these curricula actions to UCCC for review.

16HISTBA - History footnote corrections

16PHM - Philosophy minor revisions (signature page signed by Dr. Austin included in action)

16PSBA and 16OSM - Political Science BA and PS minor revisions

Let me know if you have any questions.

--

Hope Ziglar
Student Services Specialist
College of Humanities and Social Sciences
NC State University
106 E Caldwell Hall
919 513-1831 Voice
919 515 9419 Fax

--

Deanna P. Dannels
Associate Dean of Academic Affairs
Professor of Communication
College of Humanities and Social Sciences
North Carolina State University
pronouns: she/her/hers
Editor, *Communication Education*
106C Caldwell Hall, Campus Box 8101
Raleigh, NC 27695
phone: (919) 515-3490; fax: (919) 515-9419

NC STATE UNIVERSITY

TO: Office of the Dean for Academic and Student Affairs
FROM: Jonathan Olson, Microbiology Director of Undergraduate Programs
RE: Updates to curricula to accommodate the change in BCH 351 credit hours
DATE: 14 October 2020


Proposed effective date: January 2021

Proposed changes and justification

The change in BCH 351 credit hours (from 4 to 3) requires us to modify our undergraduate curricular requirements. With this memo, we are proposing to keep a 4 credit hour requirement by removing BCH 351 from the options for our students to complete their biochemistry requirement. A Format B for each curriculum is attached. This impacts all plans and subplans under 17MBIOBS.

The change for each degree audit is the same: remove BCH 351 as an option for the Biochemistry requirement, leaving only BCH 451 (4 cr). No other changes are needed.

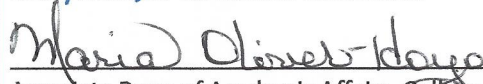
SIGNATURES:



Head, Department of Biological Sciences 10/16/20
Date



Chair, Sciences Curriculum Committee 11/10/2020
Date



Associate Dean of Academic Affairs, College of Sciences 11/12/2020
Date

Chair, University Courses & Curricula Committee Date

PROPOSED EFFECTIVE DATE: June 2021

Dean, Academic and Student Affairs Date

APPROVED EFFECTIVE DATE: _____

GEP FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: Proposed: X

DEGREE TITLE: Bachelor of Science in Microbiology

CONCENTRATION TITLE: N/A

CURRENT DEGREE KEY: 17MBIOBS

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
BIO 181 Intro Biology: Ecol, Evol, Biodiversity ¹	4	BIO 183 Intro Biology: Cellular & Molecular ¹	4
CH 101 Chem Molecular Sci ¹	3	CH 221 Organic Chem I ¹	3
CH 102 Gen Chem Lab ¹	1	CH 222 Organic Chem I lab ¹	1
LSC 101 Critical Creative Thinking Life Sci ¹	2	ENG 101 Acad Writing Rsrch	4
MA 131 Calculus I ^{1,2}	3	Free elective	3
MB 103 Intro Topics Micro ³	1		
Fitness and Wellness Course *	1		
	Total:15		Total:15
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
CH 223 Organic Chem II ¹	3	CH 201 Chem Quant Sci ¹	3
CH 224 Organic Chem II lab ¹	1	CH 202 Chem Quant Lab ¹	1
PY 211 Gen Physics I ^{1, 4}	4	PY 212 Gen Physics II ^{1,6}	4
GEP Social Science Elective *	3	GEP Humanities Elective *	3
MB 351 Gen Microbiol ¹	3	MB 411 Medical Micro ¹	3
MB 354 Inquiry Guided Micro Lab ¹	1	MB 412 Med Micro Lab ¹	1
	Total:15		Total:15
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ENG 333 Comm Sci Res	3	Cell/Physiology Elective ^{1,7}	3
GN 311 Princ Genetics ¹	4	Biochemistry elective ^{1,11}	
Microbiology elective ^{1, 9}	3	BCH 451 General Biochemistry	4
ST 311 Intro Statistics ^{1,5}	3	Laboratory Elective ^{1, 8}	3
Physical Education/Healthy Living Elective *	1	GEP Additional Breadth Elective *	3
		Microbiology elective ^{1, 9}	3
	Total:14		Total:16
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
MB 414 Metabolic Reg ¹	3	Microbiology Elective ^{1, 9}	3
Microbiology Elective ^{1, 9}	3	GEP IP Elective *	3
GEP Humanities Elective *	3	Free Elective	3
MB 451 Micro Diversity ¹	3	Gene Expression Elective ^{1, 10}	3
MB 452 Micro Diversity lab ¹	2	Free Elective	3
MB 480 Topical Issues Micro ¹	1		
	Total:15		Total:15
Minimum Credit Hours Required for Graduation*: 120			

Major/Program Footnotes:

¹ A minimum grade of C- is required for these courses

² or MA 141 (MA 131 recommended)

³ or LSC 103

⁴ or PY 201 or PY 205 (PY 211 recommended)

⁵ or ST 371 for those with credit for MA 141 and MA 241 (ST 311 recommended)

⁶ or PY 202 or PY 208 (PY 212 recommended)

⁷ BIO 414, PB 414, BIO240, BIO 245, or PB 421

⁸ At least 3 credits of GN 312, BCH 452, BEC 330, MB 360 or any 400-level BEC or BIT courses

⁹ Select at least 3 credit hours from MB/FS 405/406, MB 360 (cannot be double-counted with the Lab elective), BIT 410 (cannot be double-counted with the Lab elective), MB/BEC 420 (cannot be double-counted with the Lab elective), MB 441, MB 455, MB 461, MB 492, BSC 493, BSC 492, MB/SC 532

¹⁰ Either BCH 453 or GN 421 (formerly GN 413)

¹¹ Either BCH 351 or BCH 451

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied. University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

Mathematical Sciences (6 credit hours - one course with MA or ST prefix)

In Microbiology, this GEP requirement is met through the Major course requirements.

Natural Sciences (7 credit hours - include one laboratory course or course with a lab)

In Microbiology, this GEP requirement is met through the Major course requirements.

Humanities (6 credit hours selected from two different disciplines/course prefixes)

Choose from the University approved GEP Humanities course list. Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.

Social Sciences (6 credit hours selected from two different disciplines/course prefixes)

Choose from the University approved GEP Social Sciences course list. Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.

Physical Education/Healthy Living (2 credit hours - at least one 100-level Fitness and Wellness Course)

Choose from the University approved GEP Physical Education/Healthy Living course list.

Additional Breadth - (3 credit hours to be selected from the following checked University approved GEP course lists) *Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.*

X Humanities/Social Sciences/Visual and Performing Arts or ____ Mathematical Sciences/Natural Sciences/Engineering

Interdisciplinary Perspectives (5-6 credit hours)

Choose from the University approved GEP Interdisciplinary Perspectives course list. Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.

Introduction to Writing (4 credit hours satisfied by completing ENG 101 with a C- or better)

The following Co-Requisites must be satisfied to complete the General Education Program requirements:

U.S. Diversity (USD)

Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite.

Global Knowledge (GK)

Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite.

Foreign Language proficiency - Proficiency at the FL_102 level is required for graduation.

CURRICULUM REQUIREMENTS PROPOSED

Degree Title: Bachelor of Science in Microbiology
Current Degree Key: 17MBIOBS
Effective Date of Revision:

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
<p>Indicate if course or course groupings have a C-wall or MGPA requirement</p> <p>All courses in the Major Field of Study have a C-wall requirement.</p> <p><u>Microbiology</u> MB 351 and MB 354 and MB 411 and MB 412 and MB 414 and MB 451 and MB 480</p> <p><u>Microbiology restricted electives</u> BBS 426 or BEC 426 or BEC/CHE 463 or BEC 480 or BEC 580 or BIT/MB 210 or BIT/MB 211 or BIT 410 or BIT 466 or FS/MB 405 or FS/MB 406 or FS 426 of FS/MB 505 or FS/MB 506 or MB 420 or MB 441 or MB 455 or MB 461 or MB 492 or BSC 493 or MB/SSC 532</p> <p><u>Mathematics</u> Calculus I : MA 131 or MA 141 Statistics : ST 311 or ST 371</p> <p><u>Chemistry</u> CH 101, CH 102, CH 201, CH 202, CH 221, CH 222, CH 223, CH 224</p> <p><u>Physics</u> Physics I : PY 211 or PY 201 or PY 205 Physics II : PY 212 or PY 202 or PY 208</p> <p><u>Biology</u> : BIO 181 and BIO 183</p> <p><u>Advanced sciences</u> GN 311 Biochemistry : BCH 351 or BCH 451 Gene Expression : BCH 453 or GN 413 Cell/physiology : Cell/physiology: BIO/PB 414 or PB 421 or BIO240 or BIO245</p> <p><u>Laboratory electives</u> GN 312, BCH 452, MB 360, BEC 4**, BIT 4**</p> <p><u>Scientific Communication</u> ENG 333</p> <p><u>Life Sciences First Year</u> LSC 101</p>	<p>17</p> <p>9</p> <p>3 3</p> <p>16</p> <p>4 4</p> <p>8</p> <p>4 4 3 3</p> <p>3 3</p> <p>2</p>	<p>List GEP category and hours satisfied by a Major requirement</p> <p>Natural Sciences (7 hours)</p> <p>Mathematics (6 hours)</p> <p>Satisfies Communication in the Major GEP co-requisite</p> <p>Satisfies 2 hours of Interdisciplinary Perspectives in the Major GEP requirements</p>
<u>Concentration Courses/Groups/Electives:</u> none	0	

Free Electives:	9	
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	95 hours	
COLLEGE REQUIREMENTS:		
Orientation Course(s): MB 103 or LSC 103	1	
Other: none	0	
Total credit hours under College Requirements:	1 hours	

NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS <i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category <u>may not be subset</u> to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i> <i>Specific courses should not be listed in any of the fields below other than ENG 101.</i>		At least one of the following must be listed: 1 Choose course(s) from the University Approved GEP course list for this category. 2 Minimum requirements are satisfied by Major/College course requirements. 3 Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category. 4 Co-requisite is satisfied by a Major/College course requirement. 5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. 6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements: <i>Minimum 39-40 hrs</i>	Credit hours	How will the GEP requirement be met? (Choose applicable statement from 1-6 listed above)
Mathematical Sciences (6 credits) (At least 1 course with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major courses requirements
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major courses requirements
English 101 (C- or better required) (4 credits)	4	ENG 101
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.</i>	3	(Choose statement 5 or 6) Choose course(s) from the University Approved GEP course list for this category
Interdisciplinary Perspectives (5-6 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	3	(Choose statement 1, 2 or 3) Major/College course requirement satisfies 2 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category
Physical Education/Healthy Living (2 credits) (Including one Fitness and Wellness course)	2	Choose course(s) from the University Approved GEP course list for this category. Choose course(s) from the University Approved GEP course list for this category
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	24 hours	

GEP Co-Requisites:			<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.</i>
U.S. Diversity co-requisite	(USD)	n/a	(Choose statement 1 or 4) Choose course(s) from the University Approved GEP course list for this category
Global Knowledge co-requisite	(GK)	n/a	(Choose statement 1 or 4) Choose course(s) from the University Approved GEP course list for this category
Foreign Language Proficiency		n/a	Proficiency at the FL_102 level required.
The following requirements must be satisfied within the College/Program:			Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"
Communication in the Major (Advanced Communication)		X	Satisfied by College/Program Requirements
Technology Fluency		X	Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	120 Total hours	As applicable, indicate here the overall GPA requirement for degree completion including course completion.	

GEP FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: Proposed: X

DEGREE TITLE: Bachelor of Science in Microbiology

CONCENTRATION TITLE: Microbial Research

CURRENT DEGREE KEY: 17MBIOBS-17MBIOMBR

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
BIO 181 Intro Biology: Ecol, Evol, Biodiversity ¹	4	BIO 183 Intro Biology: Cellular & Molecular ¹	4
CH 101 Chem Molecular Sci ¹	3	CH 221 Organic Chem I ¹	3
CH 102 Gen Chem Lab ¹	1	CH 222 Organic Chem I lab ¹	1
LSC 101 Critical Creative Thinking Life Sci ¹	2	ENG 101 Acad Writing Rsrch	4
MA 131 Calculus I ^{1,2}	3	GEP Social Science Elective *	3
MB 103 Intro Topics Micro ³	1		
Fitness and Wellness Course *	1		
	<i>Total:15</i>		<i>Total:15</i>
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
CH 223 Organic Chem II ¹	3	CH 201 Chem Quant Sci ¹	3
CH 224 Organic Chem II lab ¹	1	CH 202 Chem Quant Lab ¹	1
PY 211 Gen Physics I ^{1,4}	4	PY 212 Gen Physics II ^{1,6}	4
GEP Social Science Elective *	3	MB 360 Sci Inquiry Micro ¹	3
MB 351 Gen Microbiol ¹	3	MB 411 Medical Micro ¹	3
MB 354 Inquiry Guided Micro Lab ¹	1	MB 412 Med Micro Lab ¹	1
	<i>Total:15</i>		<i>Total:15</i>
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ENG 333 Comm Sci Res	3	Cell/Physiology Elective ^{1,7}	3
GN 311 Princ Genetics ¹	4	Biochemistry elective ^{1,11}	
Micro Research Elective ^{1,9}	3	BCH 451 General Biochemistry	4
ST 311 Intro Statistics ^{1,5}	3	Laboratory Elective ^{1,8}	3
Physical Education/Healthy Living Elective *	1	GEP Additional Breadth Elective *	3
		Micro Research Elective ^{1,9}	3
	<i>Total:17</i>		<i>Total:16</i>
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
MB 414 Metabolic Reg ¹	3	GEP IP Elective *	3
Micro Research Elective ^{1,9}	3	Micro Research Elective ^{1,9}	3
GEP Humanities Elective *	3	Free Elective	3
MB 480 Topical Issues Micro ¹	3	Gene Expression Elective ^{1,10}	3
MB 451 Micro Diversity ¹	2	GEP Humanities Elective *	3
MB 452 Micro Diversity lab ¹	1		
	<i>Total:15</i>		<i>Total:15</i>
Minimum Credit Hours Required for Graduation*: 120			

Major/Program Footnotes:

¹ A minimum grade of C- is required for these courses

² or MA 14 (MA 131 recommended)

³ or LSC 103

⁴ or PY 201 or PY 205 (PY 211 recommended)

⁵ or ST 371 for those with credit for MA 141 and MA 241 (ST 311 recommended)

⁶ or PY 202 or PY 208 (PY 212 recommended)

⁷ BIO 414, PB 414, BIO240, BIO 245, or PB 421

⁸ At least 3 credits of GN 312, BCH 452, BEC 330, MB 360 or any 400-level BEC or BIT courses

⁹ Select at least 3 credit hours from MB 492, or BSC 493, or BSC 492 (** 492, ** 493, ALS 498, ALS 499 with departmental approval)

¹⁰ Either BCH 453 or GN 421

¹¹ ~~Either BCH 351 or BCH 451~~

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied. University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

Mathematical Sciences (6 credit hours - one course with MA or ST prefix)

In Microbiology, this GEP requirement is met through the Major course requirements.

Natural Sciences (7 credit hours - include one laboratory course or course with a lab)

In Microbiology, this GEP requirement is met through the Major course requirements.

Humanities (6 credit hours selected from two different disciplines/course prefixes)

Choose from the University approved GEP Humanities course list. Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.

Social Sciences (6 credit hours selected from two different disciplines/course prefixes)

Choose from the University approved GEP Social Sciences course list. Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.

Physical Education/Healthy Living (2 credit hours - at least one 100-level Fitness and Wellness Course)

Choose from the University approved GEP Physical Education/Healthy Living course list.

Additional Breadth - (3 credit hours to be selected from the following checked University approved GEP course lists) *Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.*

X Humanities/Social Sciences/Visual and Performing Arts or ____Mathematical Sciences/Natural Sciences/Engineering

Interdisciplinary Perspectives (5-6 credit hours)

Choose from the University approved GEP Interdisciplinary Perspectives course list. Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.

Introduction to Writing (4 credit hours satisfied by completing ENG 101 with a C- or better)

The following Co-Requisites must be satisfied to complete the General Education Program requirements:

U.S. Diversity (USD)

Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite.

Global Knowledge (GK)

Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite.

Foreign Language proficiency - Proficiency at the FL_102 level is required for graduation.

CURRICULUM REQUIREMENTS PROPOSED

Degree Title: Bachelor of Science in Microbiology, Microbial Research Concentration
Current Degree Key: 17MBIOBS-17MBIOMBR
Effective Date of Revision:

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
<p>Indicate if course or course groupings have a C-wall or MGPA requirement</p> <p>All courses in the Major Field of Study have a C-wall requirement.</p> <p>Microbiology MB 351, MB 354, MB 411, MB 412, MB 414, MB 451, MB 452 and MB 480</p> <p>Mathematics Calculus I: MA 131 or MA 141 Statistics: ST 311 or ST 371</p> <p>Chemistry CH 101, CH 102, CH 201, CH 202, CH 221, CH 222, CH 223 and CH 224</p> <p>Physics Physics I: PY 211, PY 201, or PY 205 Physics II: PY 212, PY 202, or PY 208</p> <p>Biology: BIO 181 and BIO 183</p> <p>Advanced sciences GN 311 Biochemistry: BCH 351 or BCH 451 Gene Expression: BCH 453 or GN 421 Cell/physiology: BIO/PB 414 or PB 421 or BIO240 or BIO245 Laboratory electives GN 312, BCH 452, MB 360, BEC 4**, BIT 4**</p> <p>Scientific Communication ENG 333</p> <p>Life Sciences First Year LSC 101</p>	<p>17</p> <p>3 3</p> <p>16</p> <p>4 4</p> <p>8</p> <p>4 4 3 3</p> <p>3</p> <p>3</p> <p>2</p>	<p>List GEP category and hours satisfied by a Major requirement</p> <p>Natural Sciences (7 hours)</p> <p>Mathematics (6 hours)</p> <p>Satisfies Communication in the Major GEP co-requisite</p> <p>Satisfies 2 hours of Interdisciplinary Perspectives in the Major GEP requirements</p>
Concentration Courses/Groups/Electives: MB 360	3	
Micro Research Electives: BSC 492 or BSC 493	12	
Free Electives:	3	
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	95 hours	
COLLEGE REQUIREMENTS:		
Orientation Course(s): LSC 103	1	

Other: none		
Total credit hours under College Requirements:	1 hour	

NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS <i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category <u>may not be subset</u> to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i> Specific courses should not be listed in any of the fields below other than ENG 101.		At least one of the following must be listed: 1 Choose course(s) from the University Approved GEP course list for this category. 2 Minimum requirements are satisfied by Major/College course requirements. 3 Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category. 4 Co-requisite is satisfied by a Major/College course requirement. 5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. 6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements: <i>Minimum 39-40 hrs</i>	Credit hours	How will the GEP requirement be met? (Choose applicable statement from 1-6 listed above)
Mathematical Sciences (6 credits) (At least 1 course with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major/College course requirements
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major/College course requirements
English 101 (C- or better required) (4 credits)	4	ENG 101
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.</i>	3	(Choose statement 5 or 6) Choose course(s) from the University Approved GEP course list for this category
Interdisciplinary Perspectives (5-6 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	3	(Choose statement 1, 2 or 3) Major/College course requirement satisfies 2 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.
Physical Education/Healthy Living (2 credits) (Including one Fitness and Wellness course)	2	Choose course(s) from the University Approved GEP course list for this category. Choose course(s) from the University Approved GEP course list for this category
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	24 hours	
GEP Co-Requisites:		Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.
U.S. Diversity co-requisite (USD)	n/a	(Choose statement 1 or 4) Choose course(s) from the University Approved GEP course list for this category
Global Knowledge co-requisite (GK)	n/a	(Choose statement 1 or 4) Choose course(s) from the University Approved GEP course list for this category

Foreign Language Proficiency		n/a	Proficiency at the FL_102 level required.
The following requirements must be satisfied within the College/Program:			Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"
Communication in the Major (Advanced Communication)		X	Satisfied by College/Program Requirements
Technology Fluency		X	Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	120 Total hours	A minimum GPA of 2.0 is required for graduation	

GEP FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: Proposed: X

DEGREE TITLE: Bachelor of Science in Microbiology

CONCENTRATION TITLE: Microbial Health Science

CURRENT DEGREE KEY: 17MBIOBS-17MBIOHS

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
BIO 181 Intro Biology: Ecol, Evol, Biodiversity ¹	4	BIO 183 Intro Biology: Cellular & Molecular ¹	4
CH 101 Chem Molecular Sci ¹	3	CH 221 Organic Chem I ¹	3
CH 102 Gen Chem Lab ¹	1	CH 222 Organic Chem I lab ¹	1
LSC 101 Critical Creative Thinking Life Sci ¹	3	ENG 101 Acad Writing Rsrch	4
MA 131 Calculus I ^{1,2}	3	GEP Social Science Elective *	3
MB 103 Intro Topics Micro ³	1		
Fitness and Wellness Course *	1		
	Total:15		Total:15
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
CH 223 Organic Chem II ¹	3	CH 201 Chem Quant Sci ¹	3
CH 224 Organic Chem II lab ¹	1	CH 202 Chem Quant Lab ¹	1
PY 211 Gen Physics I ^{1, 4}	4	PY 212 Gen Physics II ^{1,6}	4
GEP Social Science Elective *	3	GEP Humanities Elective *	3
MB 351 Gen Microbiol ¹	3	MB 411 Medical Micro ¹	3
MB 354 Inquiry Guided Micro Lab ¹	1	MB 412 Med Micro Lab ¹	1
	Total:15		Total:15
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ENG 333 Comm Sci Res	3	Cell/Physiology Elective ^{1,7}	3
GN 311 Princ Genetics ¹	4	Biochemistry elective ^{1,11}	
Microbial heath science elective ^{1, 9}	3	BCH 451 General Biochemistry	4
ST 311 Intro Statistics ^{1,5}	3	Laboratory Elective ^{1, 8}	3
Physical Education/Healthy Living Elective *	1	GEP Additional Breadth Elective *	3
		Microbial heath science elective ^{1, 9}	3
	Total:14		Total:16
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
MB 414 Metabolic Reg ¹	3	Microbiology heath science elective ^{1, 9}	3
Microbial heath science elective ^{1, 9}	3	GEP IP Elective *	3
GEP Humanities Elective *	3	Microbial Health Science Elective ^{1,10}	3
MB 451 Micro Diversity ¹	3	Gene Expression Elective ^{1, 10}	3
MB 452 Micro Diversity lab ¹	2	Free Elective	3
MB 480 Topical Issues Micro ¹	1		
	Total:15		Total:15
Minimum Credit Hours Required for Graduation*: 120			

Major/Program Footnotes:

¹ A minimum grade of C- is required for these courses

² or MA 141 (MA 131 recommended)

³ or LSC 103

⁴ or PY 201 or PY 205 (PY 211 recommended)

⁵ or ST 371 for those with credit for MA 141 and MA 241 (ST 311 recommended)

⁶ or PY 202 or PY 208 (PY 212 recommended)

⁷ BIO 414, PB 414, BIO240, BIO 245, or PB 421

⁸ At least 3 credits of GN 312, BCH 452, BEC 330, MB 360 or any 400-level BEC or BIT courses

⁹ Select at least 3 credit hours from MB/FS 405/406, MB 435, MB 441, MB 461, GPH 201, PHI/STS 325, GN 441

¹⁰ Either BCH 453 or GN 421

~~¹¹ Either BCH 351 or BCH 454~~

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied. University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

Mathematical Sciences (6 credit hours - one course with MA or ST prefix)

In Microbiology, this GEP requirement is met through the Major course requirements.

Natural Sciences (7 credit hours - include one laboratory course or course with a lab)

In Microbiology, this GEP requirement is met through the Major course requirements.

Humanities (6 credit hours selected from two different disciplines/course prefixes)

Choose from the University approved GEP Humanities course list. Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.

Social Sciences (6 credit hours selected from two different disciplines/course prefixes)

Choose from the University approved GEP Social Sciences course list. Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.

Physical Education/Healthy Living (2 credit hours - at least one 100-level Fitness and Wellness Course)

Choose from the University approved GEP Physical Education/Healthy Living course list.

Additional Breadth - (3 credit hours to be selected from the following checked University approved GEP course lists) *Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.*

☒ Humanities/Social Sciences/Visual and Performing Arts or ☐ Mathematical Sciences/Natural Sciences/Engineering

Interdisciplinary Perspectives (5-6 credit hours)

Choose from the University approved GEP Interdisciplinary Perspectives course list. Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.

Introduction to Writing (4 credit hours satisfied by completing ENG 101 with a C- or better)

The following Co-Requisites must be satisfied to complete the General Education Program requirements:

U.S. Diversity (USD)

Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite.

Global Knowledge (GK)

Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite.

Foreign Language proficiency - Proficiency at the FL_102 level is required for graduation.

CURRICULUM REQUIREMENTS PROPOSED

Degree Title: Bachelor of Science in Microbiology, Microbial Health Science Concentration
Current Degree Key: 17MBIOBS-17MBIOHS
Effective Date of Revision:

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
<p>Indicate if course or course groupings have a C-wall or MGPA requirement</p> <p>All courses in the Major Field of Study have a C-wall requirement.</p> <p>Microbiology MB 351, MB 354, MB 411, MB 412, MB 414, MB 451, MB 452 and MB 480</p> <p>Mathematics Calculus I: MA 131 or MA 141 Statistics: ST 311 or ST 371</p> <p>Chemistry CH 101, CH 102, CH 201, CH 202, CH 221, CH 222, CH 223 and CH 224</p> <p>Physics Physics I: PY 211, PY 201, or PY 205 Physics II: PY 212, PY 202, or PY 208</p> <p>Biology: BIO 181 and BIO 183</p> <p>Advanced sciences GN 311 Biochemistry: BCH 351 or BCH 451 Gene Expression: BCH 453 or GN 421 Cell/physiology: BIO/PB 414 or /PB 421 or BIO240 or BIO245 Laboratory electives GN 312, BCH 452, MB 360, BEC 4**, BIT 4**</p> <p>Scientific Communication ENG 333</p> <p>Life Sciences First Year LSC 101</p>	<p>17</p> <p>3 3</p> <p>16</p> <p>4 4</p> <p>8</p> <p>4 4 3 3</p> <p>3</p> <p>3</p> <p>2</p> <p>15</p> <p>3</p>	<p>List GEP category and hours satisfied by a Major requirement</p> <p>Natural Sciences (7 hours)</p> <p>Mathematics (6 hours)</p> <p>Satisfies Communication in the Major GEP co-requisite</p> <p>Satisfies 2 hours of Interdisciplinary Perspectives in the Major GEP requirements</p>
Concentration Courses/Groups/Electives: Micro Health Electives: MB/FS 405, MB/FS 406, MB 435, MB 441, MB 461, GN 441, GPH 201, PHI/STS 325	15	
Free Electives:	3	
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	95 hours	
COLLEGE REQUIREMENTS:		
Orientation Course(s): MB 103 or LSC 103	1	

Other: none		
Total credit hours under College Requirements:	1 hour	

<u>NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS</u> <i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category <u>may not be subset</u> to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i> <i>Specific courses should not be listed in any of the fields below other than ENG 101.</i>		<u>At least one of the following must be listed:</u> 1 Choose course(s) from the University Approved GEP course list for this category. 2 Minimum requirements are satisfied by Major/College course requirements. 3 Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category. 4 Co-requisite is satisfied by a Major/College course requirement. 5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. 6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements: <i>Minimum 39-40 hrs</i>	Credit hours	How will the GEP requirement be met? <i>(Choose applicable statement from 1-6 listed above)</i>
Mathematical Sciences (6 credits) (At least 1 course with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major/College course requirements
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major/College course requirements
English 101 (C- or better required) (4 credits)	4	ENG 101
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.</i>	3	(Choose statement 5 or 6) Choose course(s) from the University Approved GEP course list for this category
Interdisciplinary Perspectives (5-6 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	3	(Choose statement 1, 2 or 3) Major/College course requirement satisfies 2 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category
Physical Education/Healthy Living (2 credits) (Including one Fitness and Wellness course)	2	Choose course(s) from the University Approved GEP course list for this category. Choose course(s) from the University Approved GEP course list for this category
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	24 hours	
GEP Co-Requisites:		<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.</i>
U.S. Diversity co-requisite (USD)	n/a	(Choose statement 1 or 4) Choose course(s) from the University Approved GEP course list for this category
Global Knowledge co-requisite (GK)	n/a	(Choose statement 1 or 4) Choose course(s) from the University Approved GEP course list for this category

Foreign Language Proficiency		n/a	Proficiency at the FL_102 level required.
The following requirements must be satisfied within the College/Program:			Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"
Communication in the Major (Advanced Communication)		X	Satisfied by College/Program Requirements
Technology Fluency		X	Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.		120 Total hours	A minimum GPA of 2.0 is required for graduation

GEP FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: Proposed: X

DEGREE TITLE: Bachelor of Science in Microbiology

CONCENTRATION TITLE: Microbial Biotechnology

CURRENT DEGREE KEY: 17MBIOBS-11MBIOMBT

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
BIO 181 Intro Biology: Ecol, Evol, Biodiversity ¹	4	BIO 183 Intro Biology: Cellular & Molecular ¹	4
CH 101 Chem Molecular Sci ¹	3	CH 221 Organic Chem I ¹	3
CH 102 Gen Chem Lab ¹	1	CH 222 Organic Chem I lab ¹	1
LSC 101 Critical Creative Thinking Life Sci ¹	2	ENG 101 Acad Writing Rsrch	4
MA 131 Calculus I ^{1,2}	3	GEP Social Science Elective *	3
MB 103 Intro Topics Micro ³	1		
Fitness and Wellness Course *	1		
	Total:15		Total:15
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
CH 223 Organic Chem II ¹	3	CH 201 Chem Quant Sci ¹	3
CH 224 Organic Chem II lab ¹	1	CH 202 Chem Quant Lab ¹	1
PY 211 Gen Physics I ^{1,4}	4	PY 212 Gen Physics II ^{1,6}	4
GEP Social Science Elective *	3	GEP Humanities Elective *	3
MB 351 Gen Microbiol ¹	3	MB 411 Medical Micro ¹	3
MB 354 Inquiry Guided Micro Lab ¹	1	MB 412 Med Micro Lab ¹	1
	Total:15		Total:15
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ENG 333 Comm Sci Res	3	Cell/Physiology Elective ^{1,7}	3
GN 311 Princ Genetics ¹	4	Biochemistry Elective ^{1,11}	
Microbial Biotechnology Elective ^{1,9}	3	BCH 451 General Biochemistry	4
ST 311 Intro Statistics ^{1,5}	3	Laboratory Elective ^{1,8}	3
Physical Education/Healthy Living Elective *	1	GEP Additional Breadth Elective *	3
		MB 455 Microbial Biotechnology ¹	3
	Total:14		Total:16
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
MB 414 Metabolic Reg ¹	3	GEP IP Elective *	3
Microbial Biotechnology Elective ^{1,9}	3	Microbial Biotechnology Elective ^{1,9}	3
GEP Humanities Elective *	3	Microbial Biotechnology Elective ^{1,9}	3
MB 451 Micro Diversity ¹	3	Gene Expression Elective ^{1,10}	3
MB 452 Micro Diversity lab ¹	2	Free Elective	3
MB 480 Topical Issues Micro ¹	1		
	Total:15		Total:15
Minimum Credit Hours Required for Graduation*: 120			

Major/Program Footnotes:

¹ A minimum grade of C- is required for these courses

² or MA 141 (MA 131 recommended)

³ or LSC 103

⁴ or PY 201 or PY 205 (PY 211 recommended)

⁵ or ST 371 for those with credit for MA 141 and MA 241 (ST 311 recommended)

⁶ or PY 202 or PY 208 (PY 212 recommended)

⁷ BIO 414, PB 414, BIO240, BIO 245, or PB 421

⁸ At least 3 credits of GN 312, BCH 452, BEC 330, MB 360 or any 400-level BEC or BIT courses

⁹ At least 3 credits of MB/BIT 210, MB/BIT 211, MB 420, MB 520, BBS/FS 426, BEC 422, BEC 488, BAE/BBS 425, BEC/CHE 463, BEC 480, BIT 410, BIT 466. (BEC 4**, BIT 4**, ** 492, ** 493, ALS 498, ALS 499 with departmental approval) Note that MB/BIT 210/211 are only offered to Freshmen, and so these would require moving these elective earlier in the curriculum.

¹⁰ Either BCH 453 or GN 421

¹¹ Either BCH 351 or BCH 451

*General Education Program (GEP) requirements and GEP Footnotes:

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied. University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

Mathematical Sciences (6 credit hours - one course with MA or ST prefix)

In Microbiology, this GEP requirement is met through the Major course requirements.

Natural Sciences (7 credit hours - include one laboratory course or course with a lab)

In Microbiology, this GEP requirement is met through the Major course requirements.

Humanities (6 credit hours selected from two different disciplines/course prefixes)

Choose from the University approved GEP Humanities course list. Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.

Social Sciences (6 credit hours selected from two different disciplines/course prefixes)

Choose from the University approved GEP Social Sciences course list. Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.

Physical Education/Healthy Living (2 credit hours - at least one 100-level Fitness and Wellness Course)

Choose from the University approved GEP Physical Education/Healthy Living course list.

Additional Breadth - (3 credit hours to be selected from the following checked University approved GEP course lists) *Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.*

☒ Humanities/Social Sciences/Visual and Performing Arts or ☐ Mathematical Sciences/Natural Sciences/Engineering

Interdisciplinary Perspectives (5-6 credit hours)

Choose from the University approved GEP Interdisciplinary Perspectives course list. Some of these courses fulfill the US Diversity or Global Knowledge co-requisites.

Introduction to Writing (4 credit hours satisfied by completing ENG 101 with a C- or better)

The following Co-Requisites must be satisfied to complete the General Education Program requirements:

U.S. Diversity (USD)

Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite.

Global Knowledge (GK)

Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite.

Foreign Language proficiency - Proficiency at the FL_102 level is required for graduation.

CURRICULUM REQUIREMENTS PROPOSED

Degree Title: Bachelor of Science in Microbiology, Microbial Biotechnology Concentration
Current Degree Key: 17MBIOBS-11MBIOMBT
Effective Date of Revision:

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
<p>Indicate if course or course groupings have a C-wall or MGPA requirement</p> <p>All courses in the Major Field of Study have a C-wall requirement.</p> <p>Microbiology MB 351, MB 354, MB 411, MB 412, MB 414, MB 451, MB 452 and MB 480</p> <p>Mathematics Calculus I: MA 131 or MA 141 Statistics: ST 311 or ST 371</p> <p>Chemistry CH 101, CH 102, CH 201, CH 202, CH 221, CH 222, CH 223 and CH 224</p> <p>Physics Physics I: PY 211, PY 201, or PY 205 Physics II: PY 212, PY 202, or PY 208</p> <p>Biology: BIO 181 and BIO 183</p> <p>Advanced sciences GN 311 Biochemistry: BCH 351 or BCH 451 Gene Expression: BCH 453 or GN 421 Cell/physiology: BIO/PB 414 or PB 421 or BIO240 or BIO245</p> <p>Laboratory electives GN 312, BCH 452, MB 360, BEC 4**, BIT 4**</p> <p>Scientific Communication ENG 333</p> <p>Life Sciences First Year LSC 101</p>	<p>17</p> <p>3 3</p> <p>16</p> <p>4 4</p> <p>8</p> <p>4 4 3 3</p> <p>3</p> <p>3</p> <p>2</p>	<p>List GEP category and hours satisfied by a Major requirement</p> <p>Natural Sciences (7 hours)</p> <p>Mathematics (6 hours)</p> <p>Satisfies Communication in the Major GEP co-requisite</p> <p>Satisfies 2 hours of Interdisciplinary Perspectives in the Major GEP requirements</p>
Concentration Courses/Groups/Electives: MB 455	3	
Micro Biotech Electives: MB/BIT 210, MB/BIT 211, MB 420, MB 520, BBS/FS 426, BEC 422, BEC 488, BAE/BBS 425, BEC/CHE 463, BEC 480, BIT 410, BIT 466	12	
Free Electives:	3	
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	95 hours	
COLLEGE REQUIREMENTS:		

Orientation Course(s): MB 103 or LSC 103	1	
Other: none		
Total credit hours under College Requirements:	1 hour	

<u>NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS</u> <i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category <u>may not be subset</u> to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i> <i>Specific courses should not be listed in any of the fields below other than ENG 101.</i>		<u>At least one of the following must be listed:</u> 1 Choose course(s) from the University Approved GEP course list for this category. 2 Minimum requirements are satisfied by Major/College course requirements. 3 Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category. 4 Co-requisite is satisfied by a Major/College course requirement. 5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. 6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements: <i>Minimum 39-40 hrs</i>	Credit hours	How will the GEP requirement be met? <i>(Choose applicable statement from 1-6 listed above)</i>
Mathematical Sciences (6 credits) (At least 1 course with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements
English 101 (C- or better required) (4 credits)	4	ENG 101
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	<i>(Choose statement 1, 2 or 3)</i> Choose course(s) from the University Approved GEP course list for this category
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	<i>(Choose statement 1, 2 or 3)</i> Choose course(s) from the University Approved GEP course list for this category
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.</i>	3	<i>(Choose statement 5 or 6)</i> Major/College course requirement satisfies 2 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.
Interdisciplinary Perspectives (5-6 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	3	<i>(Choose statement 1, 2 or 3)</i> Choose course(s) from the University Approved GEP course list for this category
Physical Education/Healthy Living (2 credits) (Including one Fitness and Wellness course)	2	Choose course(s) from the University Approved GEP course list for this category. Choose course(s) from the University Approved GEP course list for this category
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	24 hours	
GEP Co-Requisites:		<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.</i>
U.S. Diversity co-requisite (USD)	n/a	<i>(Choose statement 1 or 4)</i> Choose course(s) from the University Approved GEP course list for this category

Global Knowledge co-requisite (GK)	n/a	(Choose statement 1 or 4) Choose course(s) from the University Approved GEP course list for this category
Foreign Language Proficiency	n/a	Proficiency at the FL_102 level required.
The following requirements must be satisfied within the College/Program:		Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"
Communication in the Major (Advanced Communication)	X	Satisfied by College/Program Requirements
Technology Fluency	X	Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	120 Total hours	A minimum GPA of 2.0 is required for graduation



College of Engineering
Department of Computer Science
www.csc.ncsu.edu

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MEMO

To: Dr. Lisa Zapata
Interim Vice-Chancellor
Division of Academic and Student Affairs

From: Dr. Sarah Heckman (sarah_heckman@ncsu.edu)
Director of Undergraduate Programs, Department of Computer Science

Date: September 11, 2020

Subject: 14CSC BS

We are making the following changes to the 14CSC BS degree.

We are removing CSC 236 from the core and replacing it with an Other Restricted Elective. The key learning outcomes from CSC 236 that are needed for Student Outcomes, Program Educational Objectives, and ABET-CAC accreditation will be moved to other core courses in the curriculum. The removal will decrease the number of core sections that we must offer and will provide 1) CSC students the opportunity to more easily minor; 2) CSC students the opportunity to more easily select and complete a concentration; 3) additional flexibility on the semester CSC majors take the capstone by moving pre-req courses earlier in the curriculum path; and 4) the opportunity for faculty to introduce additional electives to the undergraduate curriculum that respond to emerging topics in the field. CSC 236 will remain as a CSC Restricted Elective.

Additionally, we are updating the Student Outcomes for the major. Our accrediting body, ABET CAC, requires that we use their Student Outcomes as our Student Outcomes. We can then define additional outcomes that complement the required ABET CAC student outcomes.

The other changes update the display to meet our goals of moving elective coursework earlier in the course progression and include housekeeping updates on the lists of CSC Restricted Electives and Other Restricted Electives.

Format A




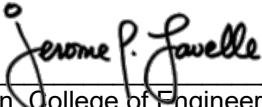
- Remove CSC 236 as a required course for the major from Junior-Fall semester
- Add Other Restricted Elective in Junior-Fall semester, replacing CSC 236
- Move CSC 333 from Junior-Fall semester to Sophomore-Spring semester
- Move CSC Restricted Elective from Senior-Fall semester to Junior-Fall semester
- Move Basic Science Elective from Sophomore-Spring semester to Junior-Fall semester
- Update name of CSC 316 to Data Structures and Algorithms to match course name.
- Update Health & Exercise Studies Course name to match other curricula

Format B

- Remove CSC 236 as a required course for the major
- Add CSC 236, CSC 414, CSC 423, CSC 433, CSC 472, CSC 486, CSC 498 as CSC Restricted Electives (GRP 033)
- Increase the number of hours in Other Restricted Elective I from 3 to 6 (GRP 702)
- Add CSC 297 in Other Restricted Elective I (GRP 702)

Proposed effective date: 07/2021

Signatures

	9/11/2020
Director of Undergraduate Programs, Computer Science	Date
	9/11/2020
Head, Department of Computer Science	Date
	12 Nov 2020
Chair, COE Courses and Curriculum Committee	Date
	11-24-2020
Dean, College of Engineering	Date
Chair, University Courses and Curricula Committee	Date
Office of the Provost	Date

Student Outcomes (Proposed)

As a program accredited by the ABET Computing Accreditation Commissions (CAC), graduates of the program will have an ability to:

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of computer science.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in a computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to computer science.
6. Apply computer science theory and software development fundamentals to produce computing-based solutions.

The Department of Computer Science at NC State additionally states that upon graduation, CSC students will

- 1. apply theoretical and mathematical computing foundations and be able to**
 1. apply fundamental concepts of discrete mathematics, such as logic, proofs, set theory, relations, functions, and combinatorics, to model computational problems,
 2. analyze and evaluate the complexity of algorithms and data structures for selecting the most appropriate solution for a computing problem,
 3. use data structures, such as lists, stacks, queues, arrays, graphs, trees, heaps, and hashing, to design and create algorithms,
 4. demonstrate and apply the theory of computation related to automata, computability, and computational complexity to solve computing problems.
- 2. demonstrate proficiency in one programming language and competence in at least one other programming language and be able to**
 1. write procedural programs,
 2. write object-oriented programs,
 3. write parallel programs.
- 3. describe the hardware and software architecture of computer systems and be able to**
 1. explain the function and interaction of computer processing units, memories, and input/output devices,
 2. define and explain elements of operating systems, such as memory management, process scheduling, synchronization and interaction, and input/output devices,
 3. distinguish computer network elements and explain distributed computing,
 4. identify and explain security and privacy of computers, software, and networks.
- 4. participate in professional practices related to software engineering and be able to**
 1. negotiate, clarify, and document customer requirements
 2. apply knowledge of fundamental algorithms, programming language concepts, and design patterns to determine an overall design for a software system,
 3. implement a fully specified system,
 4. test a fully specified system,
 5. plan and monitor the progress of software projects to ensure on-time delivery of a high-quality system.

- 5. communicate effectively on computing topics and be able to**
 1. deliver an audience-sensitive oral technical presentation,
 2. write an audience-sensitive technical document,
 3. contribute as an effective member on a team.
- 6. demonstrate responsible professional practice and be able to**
 1. explain the ethical challenges unique to computing
 2. recognize and, when appropriate, resolve ethical challenges or dilemmas related to the computing profession.

Student Outcomes (Current - <https://www.csc.ncsu.edu/academics/undergrad/bs-csc.php>)

Upon graduation CSC students will

- 1. be competent in theoretical and mathematical foundations of computer science and be able to**
 1. apply fundamental concepts of discrete mathematics such as logic, proofs, set theory, relations, functions, and combinatorics to model computational problems,
 2. demonstrate the application of abstract structures such as graphs, finite state machines, and recurrence relations to the solution of computer science problems,
 3. analyze and evaluate comparative performance of algorithms and data structures appropriate to solving computer science problems,
 4. apply concepts related to data structures such as lists, stacks, queues, arrays, graphs, trees, heaps, and hashing to design and create algorithms.
- 2. be proficient in one programming language and have a basic knowledge of several others and be able to**
 1. write efficient solutions to specific problems using an object-oriented programming language,
 2. write programs in assembly language,
 3. write programs in a procedural programming language.
- 3. understand the hardware and software architecture of computer systems and be able to**
 1. explain the function and interaction of computer processing units, memories, and input/output devices,
 2. define and explain elements of operating systems such as memory management, process scheduling, synchronization and interaction, and input/output devices,
 3. distinguish computer network elements and understand issues related to computer security
- 4. demonstrate the ability to participate in professional practices related to software engineering and be able to**
 1. negotiate, clarify, and document customer requirements
 2. apply knowledge of fundamental algorithms, programming language concepts, and design patterns to determine an overall design for a software system,
 3. implement a fully specified system,
 4. test a fully specified system,
 5. plan and monitor the progress of software projects to ensure on time delivery of a high-quality system.

5. **be able to communicate effectively about computer science-related topics and be able to**
 1. deliver an audience-sensitive oral technical presentation,
 2. write an audience-sensitive technical document,
 3. contribute effectively on software-based system development teams
6. **demonstrate the ability to be responsible practitioners of computer science and understand the social and ethical implications of computing and be able to**
 1. demonstrate ways in which computers pose new ethical questions or pose new versions of standards, moral problems and dilemmas,
 2. recognize and, when appropriate, to resolve ethical problems or dilemmas related to the computing profession.

GEP FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: Proposed: X Proposed Effective Semester: **7/2021**

DEGREE TITLE: **B.S. in Computer Science**

CONCENTRATION TITLE: n/a

CURRENT DEGREE KEY: **14CSC BS**

FRESHMAN YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CH 101	Chemistry – A Molecular Science ^{1,2,B}	3	CSC 116	Intro. to Computing - Java ²	3
CH 102	General Chemistry Laboratory ^{1,2,B}	1	MA 241	Calculus II ^{1,2,A}	4
E 101	Intro to Engineering & Prob Solving ^{1,7}	1	PY 205	Physics for Engrs & Sci I ^{1,2,B}	3
E 115	Intro to Computing Environments ¹	1	PY 206	Physics for Engrs & Sci I Lab ^{1,2,B}	1
ENG 101	Academic Writing and Research ^{1,7,H}	4	EC 205	Fund of Econ ^D (<i>or</i> EC 201 <i>or</i> ARE 201)	3
MA 141	Calculus I ^{1,2,A}	<u>4</u>	E 102	Engineering in the 21 st Century ^{1,2,G}	<u>2</u>
		14			16

SOPHOMORE YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CSC 216	Software Development Fundamentals ²	3	CSC 230	C and Software Tools	3
CSC 217	Software Development Fundamentals Lab ²	1	CSC 316	Data Structures and Algorithms	3
CSC 226	Discrete Mathematics for CSC ²	3	CSC 333	Automata, Grammars, and Computability	3
MA 242	Calculus III	4	MA 305	Elementary Linear Algebra	3
PY 208	Physics for Engrs & Sci II ^B	3	GEP Requirement [*]		<u>3</u>
PY 209	Physics for Engrs & Sci II Lab ^B	1			15
Health & Exercise Studies Course^E		<u>1</u>			
		16			

JUNIOR YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CSC 246	Operating Systems for CSC	3	CSC 326	Software Engineering	4
CSC Restricted Elective⁴		3	CSC 379	Ethics in Computing	1
ST 370	Probability & Statistics for Engrs	3	CSC Restricted Elective ⁴		3
GEP Requirement [*]		3	ENG 331	Communication for Engr and Tech	3
Other Restricted Elective⁴		<u>3</u>	Health & Exercise Studies Course^E		1
		15	Other Restricted Elective⁴		<u>3</u>
					15

SENIOR YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CSC Restricted Elective ⁴		3	CSC 492	Senior Design Project ⁵	3
GEP Requirement [*]		3	CSC Restricted Elective ⁴		3
GEP Requirement [*]		3	Other Restricted Elective ⁴		3
Other Restricted Elective ⁴		3	Free Elective		3
Basic Science Elective^{3,B}		<u>3</u>	GEP Requirement [*]		<u>3</u>
		15			15

Minimum Credit Hours Required for Graduation 121^{6,I,J,K}

Major/Program requirements and footnotes:

¹Courses required for matriculation (CODA).

²Grade of C or higher required.

³To be selected from CH 201, PY 123, 124, any PY course with a prerequisite of PY 208, or any PB, BIO, MEA, or ZO course.

⁴For CSC and Other Restricted Electives, see: <http://www.csc.ncsu.edu/academics/undergrad/restrict.php>.

⁵CSC 492 is the only course that meets this requirement in all CSC curricula effective August 2008 or thereafter.

⁶The GPA earned in all courses attempted at NCSU must be 2.0 or higher. One of the following two conditions regarding the major GPA is required: 1) the major GPA, which consists of all CSC courses attempted at NCSU, must be 2.0 or higher or 2) a student whose major grade point average is below 2.0 may graduate if no CSC course used to satisfy the major requirements has a grade below a C-.

⁷Grade of C- or higher required.

***General Education Program (GEP) requirements and GEP footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied.

University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- A. Mathematical Sciences** (6 credit hours – one course with MA or ST prefix)
*Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **MA 141,241***
 - B. Natural Sciences** (7 credit hours – include one laboratory course or course with a lab)
*Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **CH 101, 102, PY 205, 206, 208, 209***
 - C. Humanities** (6 credit hours selected from two different disciplines/course prefixes)
*Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **None***
 - D. Social Sciences** (6 credit hours selected from two different disciplines/course prefixes)
*Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **EC 205 or EC 201 or ARE 201***
 - E. Physical Education/Healthy Living** (2 credit hours – at least one 100-level Fitness and Wellness Course)
Choose from the University approved GEP Physical Education/Healthy Living course list.
 - F. Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
☒ Humanities/Social Sciences/Visual and Performing Arts or ☐ Mathematical Sciences/Natural Sciences/Engineering
 - G. Interdisciplinary Perspectives** (5-6 credit hours)
*Choose from University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **E 102***
 - H. Introduction to Writing** (4 credit hours satisfied by completing **ENG 101** with a C- or better)
- The following Co-Requisites must be satisfied to complete the General Education Program requirements:**
- I. U.S. Diversity**
*Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) if completed as part of the Major requirements may fulfill this requirement: **None***
 - J. Global Knowledge**
*Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) if completed as part of the Major requirements may fulfill this requirement: **None***
 - K. Foreign Language proficiency** - Proficiency at the **FL_102** level is required for graduation.

GEP FORMAT B – CURRICULUM REQUIREMENTS

Degree Title: Bachelor of Science in Computer Science
Current Degree Key: 14CSC BS
Effective Date of Revision: 7/2021

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
<p>Indicate with (C-) if course or course groupings have a C-minus-wall or MGPA requirement</p> <p>Math MA 141 (C), MA 241 (C), MA 242 MA 305 ST 370</p> <p>Sciences CH 101 (C), CH 102 (C) PY 205 (C), PY 206 (C), PY 208, PY 209</p> <p>CSC Major CSC 116 (C) CSC 216 (C) CSC 217 (C) CSC 226 (C) CSC 230 CSC 246 CSC 316 CSC 326 CSC 333 CSC 379 CSC 492</p> <p>Other Major GRP 030 Basic Science (BIO***, CH 201, MEA***, PB***, PY 123, PY 124, PY 328, PY 341, PY 401, PY 402, PY 407, PY 411, PY 412, PY 413, PY 414, PY 415, PY 463, ZO***)</p> <p>GRP 033 CSC Restricted Elective (GRP 031, CSC 236, CSC 302, CSC 312, CSC 342, CSC 401, CSC 402, CSC 405, CSC 406, CSC 409, CSC 411, CSC 412, CSC 413, CSC 414, CSC 415, CSC 416, CSC 417, CSC 419, CSC 422, CSC 423, CSC 431, CSC 433, CSC 440, CSC 441, CSC 442, CSC 450, CSC 451, CSC 453, CSC 454, CSC 455, CSC 456, CSC 460, CSC 461, CSC 462, CSC 467, CSC 471, CSC 472, CSC 474, CSC 481, CSC 482, CSC 484, CSC 485, CSC 486, CSC 495, CSC 498, CSC 499, CSC 5**, ECE 460, ECE 482, ECE 483, ISE 441, MA 416)</p> <p>GRP 702 Other Restricted Elective I (GRP 033, GRP 701, ACC 200, ACC 210, CE 214, CSC 251, CSC 252, CSC 253, CSC 254, CSC 255, CSC 256, CSC 257, CSC 295, CSC 297, ECE 211, ECE 212, GC 200, MAE 2**, MSE 201)</p>	<p>12 3 3</p> <p>4 8</p> <p>3 3 1 3 3 3 3 4 3 1 3</p> <p>3</p> <p>12</p> <p>6</p>	<p>List GEP category and hours satisfied by a Major requirement</p> <p>Mathematics (6 hours)</p> <p>Natural Sciences (4 hours) Natural Sciences (4 hours)</p>

GRP 701 Other Restricted Electives II & III (GRP 033, ACC 307, ACC 310, ACC 311, ACC 320, ACC 330, ACC 340, ARS 306, BUS 300, BUS 305, BUS 307, BUS 320, BUS 330, BUS 335, BUS 340, BUS 346, BUS 360, BUS 367, BUS 4**, CHE 425, CHE 435, CHE 465, CSC 423, CSC 427, CSC 428, EC 3**, EC 4**, EC 5**, ECE 3** (except for ECE 309), ECE 4**, ECE 5**, EMS 480, GC 320, GC 350, GC 420, GN 411, GN 5**, ISE 307, ISE 308, ISE 311, ISE 361, ISE 4**, ISE 5**, LOG 335, LOG 435, LOG 535, MA 301, MA 302, MA 341, MA 351, MA 401, MA 402, MA 403, MA 405, MA 407, MA 408, MA 410, MA 412, MA 413, MA 414, MA 416, MA 425, MA 426, MA 427, MA 428, MA 430, MA 432, MA 435, MA 437, MA 440, MA 5**, MAE 3**, MAE 4**, MAE 5**, MIE 3**, MIE 4**, MSE 3**, MSE 4**, MSE 5**, MUS 306, NE 3**, NE 4**, NE 5**, OR 5**, PHI 425, PSY 307, PSY 320, PSY 340, PSY 400, PSY 420, PSY 425, PY 4**, PY 5**, ST 372, ST 4**, ST 5**)	6	
ENG 331	3	Satisfies GEP Communication in the Major (Advanced Communication) co-requisite.
<u>Concentration Courses/Groups/Electives:</u>		
<u>Free Electives:</u> EXC 901 Free Elective EXCEPT NOT (CH 111, ECI 105, ENG 110, FLC 1**, FLE 1**, FLF 1**, FLG 1**, FLH 1**, FLI 1**, FLJ 1**, FLK 1**, FLN 1**, FLP 1**, FLR 1**, FLS 1**, GRK 1**, LAT 1**, MA 100, MA 101, MA 103, MA 107, MA 108, MA 111, MA 121, MA 131, MA 231, PY 211, PY 212)	3	
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	93 hours	
COLLEGE REQUIREMENTS:		
<u>Orientation Course(s):</u> E 101 (C), E 102 (C) E 115	4	Interdisciplinary Perspectives (2 hours) E115 satisfies Technology Fluency requirement
<u>Other:</u> (ex: Adv Communication courses) Economics Elective (EC 205 or EC 201 or ARE 201)	3	Social Science (3 hours)
Total credit hours under College Requirements:	7 hours	

NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS

Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category may not be subset to require a specific course from the category list. Required courses must be listed in the Major/College requirements.

Specific courses should not be listed in any of the fields below other than ENG 101.

At least one of the following must be listed:
¹Choose course(s) from the University Approved GEP course list for this category.
²Minimum requirements are satisfied by Major/College course requirements.
³Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.
⁴Co-requisite is satisfied by a Major/College course requirement.
⁵Choose course(s) from the University Approved GEP course lists for the Humanities, Social Sciences, or Visual & Performing Arts.
⁶Choose course(s) from the University Approved GEP course lists for the Natural and Mathematical Sciences.

General Education Program Requirements: <i>Minimum 39-40 hrs</i>	Credit hours	How will the GEP requirement be met? <i>(choose applicable statement from 1-6 listed above)</i>
Mathematical Sciences (6 credits) (At least one with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	X	<i>Minimum requirements are satisfied by Major course requirements.</i>
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	X	<i>Minimum requirements are satisfied by Major course requirements.</i>
English 101 (C- or better required) (4 credits)	4	ENG 101
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	6	<i>Choose courses from the University Approved GEP course list for this category.</i>
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	3	<i>Required College course satisfies 3 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.</i>
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge and Diversity co-requisites.</i>	3	<i>Choose course(s) from the University Approved GEP course lists for the Humanities, Social Sciences or Visual and Performing Arts.</i>
Interdisciplinary Perspective (5-6 credits) <i>Only course(s) in the Major may double-count to satisfy this requirement.</i>	3	<i>Required College course satisfies 2 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.</i>
Physical Education/Healthy Living (2 credits) (including one Fitness and Wellness course)	2	<i>Choose course(s) from the University Approved GEP course list for this category.</i>
Total credit hours needed to complete GEP that are not satisfied as part of the Major/College requirements.	21 hours	.
GEP Co-Requisites:		<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity* or Global Knowledge** co-requisite are marked on course lists with asterisks as indicated.</i>
U.S. Diversity co-requisite (USD)	n/a	<i>Choose course(s) from the University Approved GEP course list for this category.</i>
Global Knowledge co-requisite (GK)	n/a	<i>Choose course(s) from the University Approved GEP course list for this category.</i>
Foreign Language Proficiency	n/a	Proficiency at the FL_102 level is required.

The following requirements must be satisfied within the College/Program:		
Communication in the Major (Advanced Communication)	X	Satisfied by College/Program Requirements.
Technology Fluency	X	Satisfied by College/Program Requirements.

Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	121 Total hours	As applicable, indicate here the overall GPA requirement for degree completion including course completion.
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GEP FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: X Proposed: Proposed Effective Semester: **7/2020**

DEGREE TITLE: **B.S. in Computer Science**

CONCENTRATION TITLE: n/a

CURRENT DEGREE KEY: **14CSC BS**

FRESHMAN YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CH 101	Chemistry – A Molecular Science ^{1,2,B}	3	CSC 116	Intro. to Computing - Java ²	3
CH 102	General Chemistry Laboratory ^{1,2,B}	1	MA 241	Calculus II ^{1,2,A}	4
E 101	Intro to Engineering & Prob Solving ^{1,7}	1	PY 205	Physics for Engrs & Sci I ^{1,2,B}	3
E 115	Intro to Computing Environments ¹	1	PY 206	Physics for Engrs & Sci I Lab ^{1,2,B}	1
ENG 101	Academic Writing and Research ^{1,7,H}	4	EC 205	Fund of Econ ^D (<i>or</i> EC 201 <i>or</i> ARE 201)	3
MA 141	Calculus I ^{1,2,A}	<u>4</u>	E 102	Engineering in the 21 st Century ^{1,2,G}	<u>2</u>
		14			16

SOPHOMORE YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CSC 216	Software Development Fundamentals ²	3	CSC 230	C and Software Tools	3
CSC 217	Software Development Fundamentals Lab ²	1	CSC 316	Data Structures for CSC	3
CSC 226	Discrete Mathematics for CSC ²	3	MA 305	Elementary Linear Algebra	3
MA 242	Calculus III	4	GEP Requirement [*]		3
PY 208	Physics for Engrs & Sci II ^B	3	Basic Science Elective ^{3,B}		<u>3</u>
PY 209	Physics for Engrs & Sci II Lab ^B	1			15
Physical Education/Healthy Living Elective ^E		<u>1</u>			
		16			

JUNIOR YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CSC 236	Comp Org & Assem Lang for CSC	3	CSC 326	Software Engineering	4
CSC 246	Operating Systems for CSC	3	CSC 379	Ethics in Computing	1
CSC 333	Automata, Grammars, and Computability	3	CSC ***	CSC Restricted Elective ⁴	3
ST 370	Probability & Statistics for Engrs	3	ENG 331	Communication for Engr and Tech	3
GEP Requirement [*]		<u>3</u>	Physical Education/Healthy Living Elective ^E		1
		15	*** **	Other Restricted Elective ⁴	<u>3</u>
					15

SENIOR YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CSC ***	CSC Restricted Elective ⁴	3	CSC 492	Senior Design Project ⁵	3
CSC ***	CSC Restricted Elective ⁴	3	CSC ***	CSC Restricted Elective ⁴	3
GEP Requirement [*]		3	*** **	Other Restricted Elective ⁴	3
GEP Requirement [*]		3	*** **	Free Elective	3
*** **	Other Restricted Elective ⁴	<u>3</u>	GEP Requirement [*]		<u>3</u>
		15			15

Minimum Credit Hours Required for Graduation 121^{6,I,J,K}

Major/Program requirements and footnotes:

¹Courses required for matriculation (CODA).

²Grade of C or higher required.

³To be selected from CH 201, PY 123, 124, any PY course with a prerequisite of PY 208, or any PB, BIO, MEA, or ZO course.

⁴For CSC and Other Restricted Electives, see: <http://www.csc.ncsu.edu/academics/undergrad/restrict.php>.

⁵CSC 492 is the only course that meets this requirement in all CSC curricula effective August 2008 or thereafter.

⁶The GPA earned in all courses attempted at NCSU must be 2.0 or higher. One of the following two conditions regarding the major GPA is required: 1) the major GPA, which consists of all CSC courses attempted at NCSU, must be 2.0 or higher or 2) a student whose major grade point average is below 2.0 may graduate if no CSC course used to satisfy the major requirements has a grade below a C-.

⁷Grade of C- or higher required.

***General Education Program (GEP) requirements and GEP footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied.

University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- M** **Mathematical Sciences** (6 credit hours – one course with MA or ST prefix)
*Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **MA 141,241***
- N** **Natural Sciences** (7 credit hours – include one laboratory course or course with a lab)
*Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **CH 101, 102, PY 205, 206, 208, 209***
- H** **Humanities** (6 credit hours selected from two different disciplines/course prefixes)
*Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **None***
- S** **Social Sciences** (6 credit hours selected from two different disciplines/course prefixes)
*Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **EC 205 or EC 201 or ARE 201***
- P** **Physical Education/Healthy Living** (2 credit hours – at least one 100-level Fitness and Wellness Course)
Choose from the University approved GEP Physical Education/Healthy Living course list.
- A** **Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
☒ **H** Humanities/Social Sciences/Visual and Performing Arts or ☐ **M** Mathematical Sciences/Natural Sciences/Engineering
- I** **Interdisciplinary Perspectives** (5-6 credit hours)
*Choose from University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **E 102***
- I** **Introduction to Writing** (4 credit hours satisfied by completing **ENG 101** with a C- or better)

The following Co-Requisites must be satisfied to complete the General Education Program requirements:

- U** **U.S. Diversity**
*Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) if completed as part of the Major requirements may fulfill this requirement: **None***
- G** **Global Knowledge**
*Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) if completed as part of the Major requirements may fulfill this requirement: **None***
- F** **Foreign Language proficiency** - Proficiency at the **FL_102** level is required for graduation.

GEP FORMAT B – CURRICULUM REQUIREMENTS

Degree Title: Bachelor of Science in Computer Science
Current Degree Key: 14CSC BS
Effective Date of Revision: 7/2020

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
<p>Indicate with (C-) if course or course groupings have a C-minus-wall or MGPA requirement</p> <p>Math MA 141 (C), MA 241 (C), MA 242 MA 305 ST 370</p> <p>Sciences CH 101 (C), CH 102 (C) PY 205 (C), PY 206 (C), PY 208, PY 209</p> <p>CSC Major CSC 116 (C) CSC 216 (C) CSC 217 (C) CSC 226 (C) CSC 230 CSC 236 CSC 246 CSC 316 CSC 326 CSC 333 CSC 379 CSC 492</p> <p>Other Major GRP 030 Basic Science (BIO***, CH 201, MEA***, PB***, PY 123, PY 124, PY 328, PY 341, PY 401, PY 402, PY 407, PY 411, PY 412, PY 413, PY 414, PY 415, PY 463, ZO***)</p> <p>GRP 033 CSC Restricted Elective (GRP 031, CSC 302, CSC 312, CSC 342, CSC 401, CSC 402, CSC 405, CSC 406, CSC 409, CSC 411, CSC 412, CSC 413, CSC 415, CSC 416, CSC 417, CSC 419, CSC 422, CSC 431, CSC 440, CSC 441, CSC 450, CSC 451, CSC 453, CSC 454, CSC 455, CSC 456, CSC 460, CSC 461, CSC 462, CSC 467, CSC 471, CSC 474, CSC 481, CSC 482, CSC 484, CSC 485, CSC 495, CSC 499, CSC 5**, ECE 460, ECE 482, ECE 483, ISE 441, MA 416)</p> <p>GRP 702 Other Restricted Elective I (GRP 033, GRP 701, ACC 200, ACC 210, CE 214, CSC 251, CSC 252, CSC 253, CSC 254, CSC 255, CSC 256, CSC 257, CSC 295, ECE 211, ECE 212, GC 200, MAE 2**, MSE 201)</p> <p>GRP 701 Other Restricted Electives II & III (GRP 033, ACC 307, ACC 310, ACC 311, ACC 320, ACC 330, ACC</p>	<p>12 3 3</p> <p>4 8</p> <p>3 3 1 3 3 3 3 3 4 3 1 3</p> <p>3</p> <p>12</p> <p>3</p> <p>6</p>	<p>List GEP category and hours satisfied by a Major requirement</p> <p>Mathematics (6 hours)</p> <p>Natural Sciences (4 hours) Natural Sciences (4 hours)</p>

340, ARS 306, BUS 300, BUS 305, BUS 307, BUS 320, BUS 330, BUS 335, BUS 340, BUS 346, BUS 360, BUS 367, BUS 4**, CHE 425, CHE 435, CHE 465, CSC 423, CSC 427, CSC 428, EC 3**, EC 4**, EC 5**, ECE 3** (except for ECE 309), ECE 4**, ECE 5**, EMS 480, GC 320, GC 350, GC 420, GN 411, GN 5**, ISE 307, ISE 308, ISE 311, ISE 361, ISE 4**, ISE 5**, LOG 335, LOG 435, LOG 535, MA 301, MA 302, MA 341, MA 351, MA 401, MA 402, MA 403, MA 405, MA 407, MA 408, MA 410, MA 412, MA 413, MA 414, MA 416, MA 425, MA 426, MA 427, MA 428, MA 430, MA 432, MA 435, MA 437, MA 440, MA 5**, MAE 3**, MAE 4**, MAE 5**, MIE 3**, MIE 4**, MSE 3**, MSE 4**, MSE 5**, MUS 306, NE 3**, NE 4**, NE 5**, OR 5**, PHI 425, PSY 307, PSY 320, PSY 340, PSY 400, PSY 420, PSY 425, PY 4**, PY 5**, ST 372, ST 4**, ST 5**)	3	Satisfies GEP Communication in the Major (Advanced Communication) co-requisite.
ENG 331		
<u>Concentration Courses/Groups/Electives:</u>		
<u>Free Electives:</u> EXC 901 Free Elective EXCEPT NOT (CH 111, ECI 105, ENG 110, FLC 1**, FLE 1**, FLF 1**, FLG 1**, FLH 1**, FLI 1**, FLJ 1**, FLK 1**, FLN 1**, FLP 1**, FLR 1**, FLS 1**, GRK 1**, LAT 1**, MA 100, MA 101, MA 103, MA 107, MA 108, MA 111, MA 121, MA 131, MA 231, PY 211, PY 212)	3	
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	93 hours	
COLLEGE REQUIREMENTS:		
<u>Orientation Course(s):</u> E 101 (C), E 102 (C) E 115	4	Interdisciplinary Perspectives (2 hours) E115 satisfies Technology Fluency requirement
<u>Other:</u> (ex: Adv Communication courses) Economics Elective (EC 205 or EC 201 or ARE 201)	3	Social Science (3 hours)
Total credit hours under College Requirements:	7 hours	

<p align="center">NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS</p> <p><i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category may not be subset to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i></p> <p><i>Specific courses should not be listed in any of the fields below other than ENG 101.</i></p>		<p>At least one of the following must be listed:</p> <p>¹Choose course(s) from the University Approved GEP course list for this category.</p> <p>²Minimum requirements are satisfied by Major/College course requirements.</p> <p>³Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.</p> <p>⁴Co-requisite is satisfied by a Major/College course requirement.</p> <p>⁵Choose course(s) from the University Approved GEP course lists for the Humanities, Social Sciences, or Visual & Performing Arts.</p> <p>⁶Choose course(s) from the University Approved GEP course lists for the Natural and Mathematical Sciences.</p>
General Education Program Requirements: Minimum 39-40 hrs	Credit hours	How will the GEP requirement be met? (choose applicable statement from 1-6 listed above)

Mathematical Sciences (6 credits) (At least one with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	X	Minimum requirements are satisfied by Major course requirements.
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	X	Minimum requirements are satisfied by Major course requirements.
English 101 (C- or better required) (4 credits)	4	ENG 101
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	6	Choose courses from the University Approved GEP course list for this category.
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	3	Required College course satisfies 3 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge and Diversity co-requisites.</i>	3	Choose course(s) from the University Approved GEP course lists for the Humanities, Social Sciences or Visual and Performing Arts.
Interdisciplinary Perspective (5-6 credits) <i>Only course(s) in the Major may double-count to satisfy this requirement.</i>	3	Required College course satisfies 2 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.
Physical Education/Healthy Living (2 credits) (including one Fitness and Wellness course)	2	Choose course(s) from the University Approved GEP course list for this category.
Total credit hours needed to complete GEP that are not satisfied as part of the Major/College requirements.	21 hours	.
GEP Co-Requisites:		<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity* or Global Knowledge** co-requisite are marked on course lists with asterisks as indicated.</i>
U.S. Diversity co-requisite (USD)	n/a	Choose course(s) from the University Approved GEP course list for this category.
Global Knowledge co-requisite (GK)	n/a	Choose course(s) from the University Approved GEP course list for this category.
Foreign Language Proficiency	n/a	Proficiency at the FL_102 level is required.
The following requirements must be satisfied within the College/Program:		
Communication in the Major (Advanced Communication)	X	Satisfied by College/Program Requirements.
Technology Fluency	X	Satisfied by College/Program Requirements.

Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	121 Total hours	As applicable, indicate here the overall GPA requirement for degree completion including course completion.
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MEMO

To: Dr. Lisa Zapata
Interim Vice-Chancellor
Division of Academic and Student Affairs

From: Dr. Sarah Heckman (sarah_heckman@ncsu.edu)
Director of Undergraduate Programs, Department of Computer Science

Date: September 11, 2020

Subject: 14CSC BS Games

We are making the following changes to the 14CSC BS Games degree.

We are removing CSC 236 from the core and replacing it with an Other Restricted Elective. The key learning outcomes from CSC 236 that are needed for Student Outcomes, Program Educational Objectives, and ABET-CAC accreditation will be moved to other core courses in the curriculum. The removal will decrease the number of core sections that we must offer and will provide 1) CSC students the opportunity to more easily minor; 2) CSC students the opportunity to more easily select and complete a concentration; 3) additional flexibility on the semester CSC majors take the capstone by moving pre-req courses earlier in the curriculum path; and 4) the opportunity for faculty to introduce additional electives to the undergraduate curriculum that respond to emerging topics in the field. CSC 236 will remain as a CSC Restricted Elective.

Additionally, we are updating the Student Outcomes for the major. Our accrediting body, ABET CAC, requires that we use their Student Outcomes as our Student Outcomes. We can then define additional outcomes that complement the required ABET CAC student outcomes. The Student Outcomes specific to the Games Concentration remain unchanged.

The other changes specific to the Games concentration include: 1) moving the required course, CSC 461, earlier in the display; 2) updating the list of Advanced Game Electives to CSC 481 and CSC 486; 3) moving CSC 492 to Senior-Fall to promote a better timeline for completing the major capstone; 4) add CSC 281 as a Games Restricted Elective; 5) and update the CSC Games Restricted Elective group to reflect current course offerings.

The other changes update the display to meet our goals of moving elective coursework earlier in the course progression and include housekeeping updates on the lists of CSC Restricted Electives and Other Restricted Electives.

Format A

- Remove CSC 236 as a required course for the major from Junior-Fall semester
- Add Other Restricted Elective in Senior-Spring semester, replacing CSC 236
- Move CSC 333 from Junior-Fall to Sophomore-Spring
- Move CSC 461 from Senior-Fall to Junior-Fall to provide the opportunity to start concentration coursework earlier
- Move CSC 492 from Senior-Spring to Senior-Fall to provide the major capstone experience in a separate semester from the concentration project/capstone experience
- Move CSC Games Restricted Elective from Senior-Spring to Senior-Fall to provide the opportunity for students to complete games coursework in the concentration before taking the Advanced Games Elective (as the concentration project/capstone course)
- Move GEP Requirements (2) from Senior-Fall to Junior-Spring and Senior-Spring



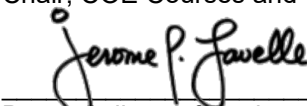
- Update the possible courses in the Advanced Games Elective for Senior-Spring semester to recognize current departmental strengths (see footnote 6 for course listing that removes CSC 462 and adds CSC 486; also Group 752).
- Move Games Restricted Elective from Junior-Spring to Junior-Fall
- Move Basic Science Elective from Sophomore-Spring to Senior-Fall
- Update footnotes 4, 5, and 6 to reflect changes in courses considered for CSC Games Restricted Electives, Games Restricted Electives, and Advanced Game Electives

Format B

- Remove CSC 236 as a required course for the major
- Add CSC 281 as a Games Restricted Elective (Group 073)
- Update CSC Games Restricted Electives to better categorize current and future games courses (Group 034)
- Add GRP 702 Other Restricted Elective I for 3 credit hours to replace CSC 236

Proposed effective date: 07/2021

Signatures

	9/11/2020
Director of Undergraduate Programs, Computer Science	Date
	9/11/2020
Head, Department of Computer Science	Date
David W. Parish	12 Nov 2020
Chair, COE Courses and Curriculum Committee	Date
	11-24-2020
Dean, College of Engineering	Date
Chair, University Courses and Curricula Committee	Date
Office of the Provost	Date

Student Outcomes (Proposed)

As a program accredited by the ABET Computing Accreditation Commissions (CAC), graduates of the program will have an ability to:

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of computer science.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in a computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to computer science.
6. Apply computer science theory and software development fundamentals to produce computing-based solutions.

The Department of Computer Science at NC State additionally states that upon graduation, CSC students will

- 1. apply theoretical and mathematical computing foundations and be able to**
 1. apply fundamental concepts of discrete mathematics, such as logic, proofs, set theory, relations, functions, and combinatorics, to model computational problems,
 2. analyze and evaluate the complexity of algorithms and data structures for selecting the most appropriate solution for a computing problem,
 3. use data structures, such as lists, stacks, queues, arrays, graphs, trees, heaps, and hashing, to design and create algorithms,
 4. demonstrate and apply the theory of computation related to automata, computability, and computational complexity to solve computing problems.
- 2. demonstrate proficiency in one programming language and competence in at least one other programming language and be able to**
 1. write procedural programs,
 2. write object-oriented programs,
 3. write parallel programs.
- 3. describe the hardware and software architecture of computer systems and be able to**
 1. explain the function and interaction of computer processing units, memories, and input/output devices,
 2. define and explain elements of operating systems, such as memory management, process scheduling, synchronization and interaction, and input/output devices,
 3. distinguish computer network elements and explain distributed computing,
 4. identify and explain security and privacy of computers, software, and networks.
- 4. participate in professional practices related to software engineering and be able to**
 1. negotiate, clarify, and document customer requirements
 2. apply knowledge of fundamental algorithms, programming language concepts, and design patterns to determine an overall design for a software system,
 3. implement a fully specified system,
 4. test a fully specified system,
 5. plan and monitor the progress of software projects to ensure on-time delivery of a high-quality system.

- 5. communicate effectively on computing topics and be able to**
 1. deliver an audience-sensitive oral technical presentation,
 2. write an audience-sensitive technical document,
 3. contribute as an effective member on a team.
- 6. demonstrate responsible professional practice and be able to**
 1. explain the ethical challenges unique to computing
 2. recognize and, when appropriate, resolve ethical challenges or dilemmas related to the computing profession.

Student Outcomes (Current - <https://www.csc.ncsu.edu/academics/undergrad/bs-csc.php>)

Upon graduation CSC students will

- 1. be competent in theoretical and mathematical foundations of computer science and be able to**
 1. apply fundamental concepts of discrete mathematics such as logic, proofs, set theory, relations, functions, and combinatorics to model computational problems,
 2. demonstrate the application of abstract structures such as graphs, finite state machines, and recurrence relations to the solution of computer science problems,
 3. analyze and evaluate comparative performance of algorithms and data structures appropriate to solving computer science problems,
 4. apply concepts related to data structures such as lists, stacks, queues, arrays, graphs, trees, heaps, and hashing to design and create algorithms.
- 2. be proficient in one programming language and have a basic knowledge of several others and be able to**
 1. write efficient solutions to specific problems using an object-oriented programming language,
 2. write programs in assembly language,
 3. write programs in a procedural programming language.
- 3. understand the hardware and software architecture of computer systems and be able to**
 1. explain the function and interaction of computer processing units, memories, and input/output devices,
 2. define and explain elements of operating systems such as memory management, process scheduling, synchronization and interaction, and input/output devices,
 3. distinguish computer network elements and understand issues related to computer security
- 4. demonstrate the ability to participate in professional practices related to software engineering and be able to**
 1. negotiate, clarify, and document customer requirements
 2. apply knowledge of fundamental algorithms, programming language concepts, and design patterns to determine an overall design for a software system,
 3. implement a fully specified system,
 4. test a fully specified system,
 5. plan and monitor the progress of software projects to ensure on time delivery of a high-quality system.

5. **be able to communicate effectively about computer science-related topics and be able to**
 1. deliver an audience-sensitive oral technical presentation,
 2. write an audience-sensitive technical document,
 3. contribute effectively on software-based system development teams
6. **demonstrate the ability to be responsible practitioners of computer science and understand the social and ethical implications of computing and be able to**
 1. demonstrate ways in which computers pose new ethical questions or pose new versions of standards, moral problems and dilemmas,
 2. recognize and, when appropriate, to resolve ethical problems or dilemmas related to the computing profession.

GEP FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: Proposed: **X** Effective Semester: **7/2021**

DEGREE TITLE: B.S. in Computer Science

CONCENTRATION TITLE: Game Development

CURRENT DEGREE KEY: 14CSC BS Games

FRESHMAN YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CH 101	Chemistry – A Molecular Science ^{1,2,B}	3	CSC 116	Intro. to Computing - Java ²	3
CH 102	General Chemistry Laboratory ^{1,2,B}	1	MA 241	Calculus II ^{1,2,A}	4
E 101	Intro to Engineering & Prob Solving ^{1,9}	1	PY 205	Physics for Engrs & Sci I ^{1,2,B}	3
E 115	Intro to Computing Environments ¹	1	PY 206	Physics for Engrs & Sci I Lab ^{1,2,B}	1
ENG 101	Academic Writing and Research ^{1,9,H}	4	EC 205	Fund of Econ ^D (<i>or</i> EC 201 <i>or</i> ARE 201)	3
MA 141	Calculus I ^{1,2,A}	<u>4</u>	E 102	Engineering in the 21 st Century ^{1,2,G}	<u>2</u>
		14			16

SOPHOMORE YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CSC 216	Software Development Fundamentals ²	3	CSC 230	C and Software Tools	3
CSC 217	Software Development Fundamentals Lab ²	1	CSC 316	Data Structures for CSC	3
CSC 226	Discrete Mathematics for CSC ²	3	CSC 333	Automata, Grammars, and Computability	3
MA 242	Calculus III	4	MA 305	Elementary Linear Algebra	3
PY 208	Physics for Engrs & Sci II ^B	3	GEP Requirement [*]		<u>3</u>
PY 209	Physics for Engrs & Sci II Lab ^B	1			15
Health & Exercise Studies Course ^E		<u>1</u>			
		16			

JUNIOR YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CSC 246	Operating Systems for CSC	3	CSC 326	Software Engineering	4
CSC 461	Computer Graphics²	3	CSC 379	Ethics in Computing	1
ST 370	Probability & Statistics for Engrs	3	CSC Games Restricted Elective ^{4,2}		3
GEP Requirement [*]		3	ENG 331	Communication for Engr and Tech	3
Games Restricted Elective⁵		<u>3</u>	Health & Exercise Studies Course ^E		1
		15	GEP Requirement[*]		<u>3</u>
					15

SENIOR YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CSC 481	Game Development ²	3	Advanced Games Elective ^{6,2}		3
CSC 492	Senior Design Project⁷	3	Games Restricted Elective ⁵		3
CSC Games Restricted Elective^{4,2}		3	Other Restricted Elective		3
Games Restricted Elective ⁵		3	GEP Requirement [*]		3
Basic Science Elective^{3,B}		<u>3</u>	GEP Requirement[*]		<u>3</u>
		15			15

Minimum Credit Hours Required for Graduation 121^{8,I,J,K}

Major/Program requirements and footnotes:

¹Courses required for matriculation (CODA).

²Grade of C or higher required.

³To be selected from CH 201, PY 123, 124, any PY course with a prerequisite of PY 208, or any PB, BIO, MEA, or ZO course.

⁴To be selected from CSC 411, CSC 454, CSC 462, **CSC 48***, CSC 582, **CSC 584**

⁵To be selected from **CSC 281**, ENG 282, ENG 288, ENG 376, ENG 377, ENG 492, COM 427, MUS 306.

⁶To be selected from **CSC 482 or CSC 486. At least one of these two courses will be offered each academic year.**

⁷CSC 492 is the only course that meets this requirement in all CSC curricula effective August 2008 or thereafter.

⁸The GPA earned in all courses attempted at NCSU must be 2.0 or higher. One of the following two conditions regarding the major GPA is required: 1) the major GPA, which consists of all CSC courses attempted at NCSU, must be 2.0 or higher or 2) a student whose major grade point average is below 2.0 may graduate if no CSC course used to satisfy the major requirements has a grade below a C-.

⁹Grade of C- or higher required.

***General Education Program (GEP) requirements and GEP footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied.

University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- A. Mathematical Sciences** (6 credit hours – one course with MA or ST prefix)
*Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **MA 141,241***
 - B. Natural Sciences** (7 credit hours – include one laboratory course or course with a lab)
*Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **CH 101, 102, PY 205, 206, 208, 209***
 - C. Humanities** (6 credit hours selected from two different disciplines/course prefixes)
*Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **None***
 - D. Social Sciences** (6 credit hours selected from two different disciplines/course prefixes)
*Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **EC 205 or EC 201 or ARE 201***
 - E. Physical Education/Healthy Living** (2 credit hours – at least one 100-level Fitness and Wellness Course)
Choose from the University approved GEP Physical Education/Healthy Living course list.
 - F. Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
X Humanities/Social Sciences/Visual and Performing Arts or Mathematical Sciences/Natural Sciences/Engineering
 - G. Interdisciplinary Perspectives** (5-6 credit hours)
*Choose from University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **E 102***
 - H. Introduction to Writing** (4 credit hours satisfied by completing **ENG 101** with a C- or better)
- The following Co-Requisites must be satisfied to complete the General Education Program requirements:**
- I. U.S. Diversity**
*Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) if completed as part of the Major requirements may fulfill this requirement: **None***
 - J. Global Knowledge**
*Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) if completed as part of the Major requirements may fulfill this requirement: **None***
 - K. Foreign Language proficiency** - Proficiency at the **FL_102** level is required for graduation.

GEP FORMAT B – CURRICULUM REQUIREMENTS

Degree Title: Bachelor of Science in Computer Science
Current Degree Key: 14CSC BS Games
Effective Date of Revision: 7/2021

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
<p>Indicate with (C-) if course or course groupings have a C-minus-wall or MGPA requirement</p> <p>Math MA 141 (C), MA 241 (C), MA 242 MA 305 ST 370</p> <p>Sciences CH 101 (C), CH 102 (C) PY 205 (C), PY 206 (C), PY 208, PY 209</p> <p>CSC Major CSC 116 (C) CSC 216 (C) CSC 217 (C) CSC 226 (C) CSC 230 CSC 246 CSC 316 CSC 326 CSC 333 CSC 379 CSC 492</p> <p>Other Major GRP 030 Basic Science (BIO***, CH 201, MEA***, PB***, PY 123, PY 124, PY 328, PY 341, PY 401, PY 402, PY 407, PY 411, PY 412, PY 413, PY 414, PY 415, PY 463, ZO***)</p> <p>GRP 702 Other Restricted Elective I (GRP 033, GRP 701, ACC 200, ACC 210, CE 214, CSC 251, CSC 252, CSC 253, CSC 254, CSC 255, CSC 256, CSC 257, CSC 295, CSC 297, CSC 299 ECE 211, ECE 212, GC 200, MAE 2**, MSE 201)</p> <p>ENG 331</p>	<p>12 3 3</p> <p>4 8</p> <p>3 3 1 3 3 3 3 4 3 1 3</p> <p>3</p> <p>3</p> <p>3</p>	<p>List GEP category and hours satisfied by a Major requirement</p> <p>Mathematics (6 hours)</p> <p>Natural Sciences (4 hours) Natural Sciences (4 hours)</p> <p>Satisfies GEP Communication in the Major (Advanced Communication) co-requisite.</p>
Concentration Courses/Groups/Electives:		
CSC 461 (C) CSC 481 (C) GRP 034 CSC Games Restricted Electives I & II (C) CSC 411, CSC 454, CSC 462, CSC 48*, CSC 582, CSC 584) GRP 703 Games Restricted Electives I & II	3 3 6 9	

(CSC 281, ENG 282, ENG 288, ENG 376, ENG 377, ENG 492, COM 427, MUS 306) GRP 752 Advanced Games Elective (C) (CSC 482, CSC 486)	3	
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	93 hours	
COLLEGE REQUIREMENTS:		
Orientation Course(s): E 101 (C), E 102 (C) E 115	4	Interdisciplinary Perspectives (2 hours) E115 satisfies Technology Fluency requirement
Other: (ex: Adv Communication courses) Economics Elective (EC 205 or EC 201 or ARE 201)	3	Social Science (3 hours)
Total credit hours under College Requirements:	7 hours	

<p align="center">NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS</p> <p><i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category may not be subset to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i></p> <p>Specific courses should not be listed in any of the fields below other than ENG 101.</p>		<p>At least one of the following must be listed:</p> <p>¹Choose course(s) from the University Approved GEP course list for this category.</p> <p>²Minimum requirements are satisfied by Major/College course requirements.</p> <p>³Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.</p> <p>⁴Co-requisite is satisfied by a Major/College course requirement.</p> <p>⁵Choose course(s) from the University Approved GEP course lists for the Humanities, Social Sciences, or Visual & Performing Arts.</p> <p>⁶Choose course(s) from the University Approved GEP course lists for the Natural and Mathematical Sciences.</p>
General Education Program Requirements: <i>Minimum 39-40 hrs</i>	Credit hours	How will the GEP requirement be met? (choose applicable statement from 1-6 listed above)
Mathematical Sciences (6 credits) (At least one with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	X	Minimum requirements are satisfied by Major course requirements.
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	X	Minimum requirements are satisfied by Major course requirements.
English 101 (C- or better required) (4 credits)	4	ENG 101
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	6	Choose courses from the University Approved GEP course list for this category.
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	3	Required College course satisfies 3 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge and</i>	3	Choose course(s) from the University Approved GEP course lists for the Humanities, Social Sciences or Visual and Performing Arts.

<i>Diversity co-requisites.</i>		
Interdisciplinary Perspective (5-6 credits) <i>Only course(s) in the Major may double-count to satisfy this requirement.</i>	3	<i>Required College course satisfies 2 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.</i>
Physical Education/Healthy Living (2 credits) (including one Fitness and Wellness course)	2	<i>Choose course(s) from the University Approved GEP course list for this category.</i>
Total credit hours needed to complete GEP that are not satisfied as part of the Major/College requirements.	21 hours	.
GEP Co-Requisites:		<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity* or Global Knowledge** co-requisite are marked on course lists with asterisks as indicated.</i>
U.S. Diversity co-requisite (USD)	n/a	<i>Choose course(s) from the University Approved GEP course list for this category.</i>
Global Knowledge co-requisite (GK)	n/a	<i>Choose course(s) from the University Approved GEP course list for this category.</i>
Foreign Language Proficiency	n/a	Proficiency at the FL_102 level is required.
The following requirements must be satisfied within the College/Program:		
Communication in the Major (Advanced Communication)	X	Satisfied by College/Program Requirements.
Technology Fluency	X	Satisfied by College/Program Requirements.

Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	121 Total hours	As applicable, indicate here the overall GPA requirement for degree completion including course completion.
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GEP FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: X Proposed: Effective Semester: **7/2020**

DEGREE TITLE: **B.S. in Computer Science**

CONCENTRATION TITLE: **Game Development**

CURRENT DEGREE KEY: **14CSC BS Games**

FRESHMAN YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CH 101	Chemistry – A Molecular Science ^{1,2,B}	3	CSC 116	Intro. to Computing - Java ²	3
CH 102	General Chemistry Laboratory ^{1,2,B}	1	MA 241	Calculus II ^{1,2,A}	4
E 101	Intro to Engineering & Prob Solving ^{1,9}	1	PY 205	Physics for Engrs & Sci I ^{1,2,B}	3
E 115	Intro to Computing Environments ¹	1	PY 206	Physics for Engrs & Sci I Lab ^{1,2,B}	1
ENG 101	Academic Writing and Research ^{1,9,H}	4	EC 205	Fund of Econ ^D (<i>or</i> EC 201 <i>or</i> ARE 201)	3
MA 141	Calculus I ^{1,2,A}	<u>4</u>	E 102	Engineering in the 21 st Century ^{1,2,G}	<u>2</u>
		14			16

SOPHOMORE YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CSC 216	Software Development Fundamentals ²	3	CSC 230	C and Software Tools	3
CSC 217	Software Development Fundamentals Lab ²	1	CSC 316	Data Structures for CSC	3
CSC 226	Discrete Mathematics for CSC ²	3	MA 305	Elementary Linear Algebra	3
MA 242	Calculus III	4	GEP Requirement*		3
PY 208	Physics for Engrs & Sci II ^B	3	Basic Science Elective ^{3,B}		<u>3</u>
PY 209	Physics for Engrs & Sci II Lab ^B	1			15
	Physical Education/Healthy Living Elective ^E	<u>1</u>			
		16			

JUNIOR YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CSC 236	Comp Org & Assem Lang for CSC	3	CSC 326	Software Engineering	4
CSC 246	Operating Systems for CSC	3	CSC 379	Ethics in Computing	1
CSC 333	Automata, Grammars, and Computability	3	CSC ***	CSC Games Restricted Elective ^{4,2}	3
ST 370	Probability & Statistics for Engrs	3	ENG 331	Communication for Engr and Tech	3
GEP Requirement*		<u>3</u>	Physical Education/Healthy Living Elective ^E		1
		15	*** **	Games Restricted Elective ⁵	<u>3</u>
					15

SENIOR YEAR

<u>Fall Semester</u>		<u>Credits</u>	<u>Spring Semester</u>		<u>Credits</u>
CSC 461	Computer Graphics ²	3	CSC 492	Senior Design Project ⁷	3
CSC 481	Game Development ²	3	CSC 4**	Advanced Games Elective ^{6,2}	3
GEP Requirement*		3	CSC ***	CSC Games Restricted Elective ^{4,2}	3
GEP Requirement*		3	*** **	Games Restricted Elective ⁵	3
*** **	Games Restricted Elective ⁵	<u>3</u>	GEP Requirement*		<u>3</u>
		15			15

Minimum Credit Hours Required for Graduation 121^{8,I,J,K}

Major/Program requirements and footnotes:

¹Courses required for matriculation (CODA).

²Grade of C or higher required.

³To be selected from CH 201, PY 123, 124, any PY course with a prerequisite of PY 208, or any PB, BIO, MEA, or ZO course.

⁴To be selected from CSC 411, 454, 462, 482, or 582.

⁵To be selected from ENG 282, 288, 376, 377, 492 (Special Topics in Film), COM 427, or MUS 306.

⁶To be selected from CSC 462 or CSC 482. CSC 462 may not be offered every academic year.

⁷CSC 492 is the only course that meets this requirement in all CSC curricula effective August 2008 or thereafter.

⁸The GPA earned in all courses attempted at NCSU must be 2.0 or higher. One of the following two conditions regarding the major GPA is required: 1) the major GPA, which consists of all CSC courses attempted at NCSU, must be 2.0 or higher or 2) a student whose major grade point average is below 2.0 may graduate if no CSC course used to satisfy the major requirements has a grade below a C-.

⁹Grade of C- or higher required.

***General Education Program (GEP) requirements and GEP footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied.

University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- L. Mathematical Sciences** (6 credit hours – one course with MA or ST prefix)
*Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **MA 141,241***
 - M. Natural Sciences** (7 credit hours – include one laboratory course or course with a lab)
*Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **CH 101, 102, PY 205, 206, 208, 209***
 - N. Humanities** (6 credit hours selected from two different disciplines/course prefixes)
*Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **None***
 - O. Social Sciences** (6 credit hours selected from two different disciplines/course prefixes)
*Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **EC 205 or EC 201 or ARE 201***
 - P. Physical Education/Healthy Living** (2 credit hours – at least one 100-level Fitness and Wellness Course)
Choose from the University approved GEP Physical Education/Healthy Living course list.
 - Q. Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
☒ Humanities/Social Sciences/Visual and Performing Arts or ☐ Mathematical Sciences/Natural Sciences/Engineering
 - R. Interdisciplinary Perspectives** (5-6 credit hours)
*Choose from University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **E 102***
 - S. Introduction to Writing** (4 credit hours satisfied by completing **ENG 101** with a C- or better)
- The following Co-Requisites must be satisfied to complete the General Education Program requirements:**
- T. U.S. Diversity**
*Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) if completed as part of the Major requirements may fulfill this requirement: **None***
 - U. Global Knowledge**
*Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) if completed as part of the Major requirements may fulfill this requirement: **None***
 - V. Foreign Language proficiency** - Proficiency at the **FL_102** level is required for graduation.

GEP FORMAT B – CURRICULUM REQUIREMENTS

Degree Title: Bachelor of Science in Computer Science
Current Degree Key: 14CSC BS Games
Effective Date of Revision: 7/2020

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
<p>Indicate with (C-) if course or course groupings have a C-minus-wall or MGPA requirement</p> <p>Math MA 141 (C), MA 241 (C), MA 242 MA 305 ST 370</p> <p>Sciences CH 101 (C), CH 102 (C) PY 205 (C), PY 206 (C), PY 208, PY 209</p> <p>CSC Major CSC 116 (C) CSC 216 (C) CSC 217 (C) CSC 226 (C) CSC 230 CSC 236 CSC 246 CSC 316 CSC 326 CSC 333 CSC 379 CSC 492</p> <p>Other Major GRP 030 Basic Science (BIO***, CH 201, MEA***, PB***, PY 123, PY 124, PY 328, PY 341, PY 401, PY 402, PY 407, PY 411, PY 412, PY 413, PY 414, PY 415, PY 463, ZO***)</p> <p>ENG 331</p>	<p>12 3 3</p> <p>4 8</p> <p>3 3 1 3 3 3 3 3 4 3 1 3</p> <p>3</p> <p>3</p>	<p>List GEP category and hours satisfied by a Major requirement</p> <p>Mathematics (6 hours)</p> <p>Natural Sciences (4 hours) Natural Sciences (4 hours)</p> <p>Satisfies GEP Communication in the Major (Advanced Communication) co-requisite.</p>
<u>Concentration Courses/Groups/Electives:</u>		
CSC 461 (C) CSC 481 (C) GRP 034 CSC Games Restricted Electives I & II (C) CSC 411, CSC 454, CSC 462, CSC 482, CSC 582) GRP 703 Games Restricted Electives I & II (ENG 282, ENG 288, ENG 376, ENG 377, ENG 492, COM 427, MUS 306) GRP 752 Advanced Games Elective (C) (CSC 462, CSC 482)	<p>3 3 6 9 3</p>	

Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	93 hours	
COLLEGE REQUIREMENTS:		
Orientation Course(s): E 101 (C), E 102 (C) E 115	4	Interdisciplinary Perspectives (2 hours) E115 satisfies Technology Fluency requirement
Other: (ex: Adv Communication courses) Economics Elective (EC 205 or EC 201 or ARE 201)	3	Social Science (3 hours)
Total credit hours under College Requirements:	7 hours	

<p align="center">NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS</p> <p><i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category may not be subset to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i></p> <p>Specific courses should not be listed in any of the fields below other than ENG 101.</p>		<p>At least one of the following must be listed:</p> <p>¹Choose course(s) from the University Approved GEP course list for this category.</p> <p>²Minimum requirements are satisfied by Major/College course requirements.</p> <p>³Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.</p> <p>⁴Co-requisite is satisfied by a Major/College course requirement.</p> <p>⁵Choose course(s) from the University Approved GEP course lists for the Humanities, Social Sciences, or Visual & Performing Arts.</p> <p>⁶Choose course(s) from the University Approved GEP course lists for the Natural and Mathematical Sciences.</p>
General Education Program Requirements: <i>Minimum 39-40 hrs</i>	<i>Credit hours</i>	<i>How will the GEP requirement be met? (choose applicable statement from 1-6 listed above)</i>
Mathematical Sciences (6 credits) (At least one with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	X	<i>Minimum requirements are satisfied by Major course requirements.</i>
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	X	<i>Minimum requirements are satisfied by Major course requirements.</i>
English 101 (C- or better required) (4 credits)	4	ENG 101
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	6	<i>Choose courses from the University Approved GEP course list for this category.</i>
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy both the Global Knowledge and Diversity co-requisites.</i>	3	<i>Required College course satisfies 3 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.</i>
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge and Diversity co-requisites.</i>	3	<i>Choose course(s) from the University Approved GEP course lists for the Humanities, Social Sciences or Visual and Performing Arts.</i>
Interdisciplinary Perspective (5-6 credits) <i>Only course(s) in the Major may double-count to satisfy this requirement.</i>	3	<i>Required College course satisfies 2 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the</i>

		category.
Physical Education/Healthy Living (including one Fitness and Wellness course) (2 credits)	2	Choose course(s) from the University Approved GEP course list for this category.
Total credit hours needed to complete GEP that are not satisfied as part of the Major/College requirements.	21 hours	.
GEP Co-Requisites:		<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity* or Global Knowledge** co-requisite are marked on course lists with asterisks as indicated.</i>
U.S. Diversity co-requisite (USD)	n/a	Choose course(s) from the University Approved GEP course list for this category.
Global Knowledge co-requisite (GK)	n/a	Choose course(s) from the University Approved GEP course list for this category.
Foreign Language Proficiency	n/a	Proficiency at the FL_102 level is required.
The following requirements must be satisfied within the College/Program:		
Communication in the Major (Advanced Communication)	X	Satisfied by College/Program Requirements.
Technology Fluency	X	Satisfied by College/Program Requirements.

Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	121 Total hours	As applicable, indicate here the overall GPA requirement for degree completion including course completion.
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MEMO

To: Dr. Lisa Zapata
Interim Vice-Chancellor
Division of Academic and Student Affairs

From: Dr. Sarah Heckman (sarah_heckman@ncsu.edu)
Director of Undergraduate Programs, Department of Computer Science

Date: September 11, 2020

Subject: Minor in Computer Programming (14CPM)

We are making the following change to the Minor in Computer Programming (14CPM):

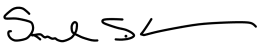


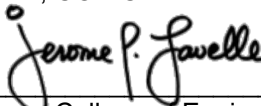
- Updating Student Outcomes
- Removing CSC 236 as a required course

We are updating the Student Outcomes for the Computer Science major to include the required student outcomes from our accreditation agency of ABET CAC and then our own Departmental Student Outcomes. The Departmental Student Outcomes are a revision of our prior student outcomes for the major. The Computer Programming Minor (14CPM) has student outcomes that align to the first three of the Departmental Student Outcomes. These updates are listed here for the Student Outcomes for the Computer Programming Minor.

By removing CSC 236 as a required course for the minor, we move from 22 credit hours to 19 credit hours. This will make the minor easier for students to complete.

Proposed effective date: 07/2021

Signatures

	9/11/2020
Director of Undergraduate Programs, Computer Science	Date
	9/12/2020
Head, Department of Computer Science	Date
	12 Nov 2020
Chair, COE Courses and Curriculum Committee	Date
	11-24-2020
Dean, College of Engineering	Date
Chair, University Courses and Curricula Committee	Date
Office of the Provost	Date

Computer Programming Minor Student Outcomes (Proposed)

Upon completion of the minor, Computer Programming Minor students will

1. apply theoretical and mathematical computing foundations and be able to
 1. apply fundamental concepts of discrete mathematics, such as logic, proofs, set theory, relations, functions, and combinatorics, to model computational problems,
 2. analyze and evaluate the complexity of algorithms and data structures for selecting the most appropriate solution for a computing problem,
 3. use data structures, such as lists, stacks, queues, arrays, graphs, trees, heaps, and hashing, to design and create algorithms,
 4. demonstrate and apply the theory of computation related to automata, computability, and computational complexity to solve computing problems.
2. demonstrate proficiency in one programming language and competence in at least one other programming language and be able to
 1. write procedural programs,
 2. write object-oriented programs,
 3. write parallel programs.
3. describe the hardware and software architecture of computer systems and be able to
 1. explain the function and interaction of computer processing units, memories, and input/output devices,
 2. define and explain elements of operating systems, such as memory management, process scheduling, synchronization and interaction, and input/output devices,
 3. distinguish computer network elements and explain distributed computing,
 4. identify and explain security and privacy of computers, software, and networks.

Computer Programming Minor Student Outcomes (Original)

Upon completion of the minor, Computer Programming Minor students will

1. **be competent in theoretical and mathematical foundations of computer science and be able to**
 1. apply fundamental concepts of discrete mathematics such as logic, proofs, set theory, relations, functions, and combinatorics to model computational problems,
 2. demonstrate the application of abstract structures such as graphs, finite state machines, and recurrence relations to the solution of computer science problems,
 3. analyze and evaluate comparative performance of algorithms and data structures appropriate to solving computer science problems,
 4. apply concepts related to data structures such as lists, stacks, queues, arrays, graphs, trees, heaps, and hashing to design and create algorithms.
2. **be proficient in one programming language and have a basic knowledge of several others and be able to**
 1. write efficient solutions to specific problems using an object-oriented programming language,
 2. write programs in assembly language,
 3. write programs in a procedural programming language.
3. **understand the hardware and software architecture of computer systems and be able to**
 1. explain the function and interaction of computer processing units, memories, and input/output devices,
 2. define and explain elements of operating systems such as memory management, process scheduling, synchronization and interaction, and input/output devices,

3. distinguish computer network elements and understand issues related to computer security

Computer Programming (14CPM)

Effective Date: 7/2021

Description

The Department of Computer Science offers a Minor in Computer Programming to undergraduate majors in any field except Computer Science, Electrical Engineering, and Computer Engineering. The objectives of this minor are to: 1) encourage students to combine computing with their own disciplines, 2) promote quality in programming techniques, and 3) give graduating seniors with a minor in computer programming an added advantage in the job market.

Requirements

Completion of 19 credit hours.

All courses in the minor must be completed with a grade point average of 2.0 or higher.

Required Courses

Corequisites for CSC 116 (may be taken prior to or in the same semester as CSC 116):

- E 115 (Intro. to Computing Environments) or COS 100 (Science of Change) (1 cr)
- MA 121 Intro. to Calculus (or any college calculus course) (3-4 cr)

CSC Courses:

- CSC 116 Introduction to Computing – Java (3 cr with a grade of C or better)
- CSC 216 Software Development Fundamentals (3 cr with a grade of C or better)
- CSC 217 Software Development Fundamentals Lab (1 cr with a grade of C or better)
- CSC 226 Discrete Mathematics for Computer Scientists (3 cr)
- CSC 230 C and Software Tools (3 cr)

- CSC 246 Concepts and Facilities of Operating Systems for Computer Scientists (3 cr)
- CSC 316 Data Structures for Computer Scientists (3 cr)

Elective Courses

None

Admissions

Undergraduates will be admitted to the Minor in Computer Programming only after they have completed CSC 116 with a grade of C or higher, and have an overall GPA of at least 2.25. Students should submit the application for the Minor in Computer Programming to the CSC Coordinator for Academic Minor, as listed below, who will be the minor advisor. This can be done via e-mail or in person. Students must have a posted grade in order to submit an application.

Certification

The contact person listed below will certify the minor prior to graduation. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork for certification should be completed no later than during the registration period for the student's final semester at NC State.

Contact Person

Dr. Barbara Jasmine Adams
1204 Engineering Bldg II (EB II)
919.513.7888
barbara_adams@ncsu.edu

SIS Code: 14CPM

Computer Programming (14CPM)

Effective Date: 7/2020

Description

The Department of Computer Science offers a Minor in Computer Programming to undergraduate majors in any field except Computer Science, Electrical Engineering, and Computer Engineering. The objectives of this minor are to: 1) encourage students to combine computing with their own disciplines, 2) promote quality in programming techniques, and 3) give graduating seniors with a minor in computer programming an added advantage in the job market.

Requirements

Completion of 22 credit hours.

All courses in the minor must be completed with a grade point average of 2.0 or higher.

Required Courses

Corequisites for CSC 116 (may be taken prior to or in the same semester as CSC 116):

- E 115 (Intro. to Computing Environments) or COS 100 (Science of Change) (1 cr)
- MA 121 Intro. to Calculus (or any college calculus course) (3-4 cr)

CSC Courses:

- CSC 116 Introduction to Computing – Java (3 cr with a grade of C or better)
- CSC 216 Software Development Fundamentals (3 cr with a grade of C or better)
- CSC 217 Software Development Fundamentals Lab (1cr with a grade of C or better)
- CSC 226 Discrete Mathematics for Computer Scientists (3 cr)
- CSC 230 C and Software Tools (3 cr)

- CSC 236 Computer Organization and Assembly Language for Computer Scientists (3 cr)
- CSC 246 Concepts and Facilities of Operating Systems for Computer Scientists (3 cr)
- CSC 316 Data Structures for Computer Scientists (3 cr)

Elective Courses

None

Admissions

Undergraduates will be admitted to the Minor in Computer Programming only after they have completed CSC 116 with a grade of C or higher, and have an overall GPA of at least 2.25. Students should submit the application for the Minor in Computer Programming to the CSC Coordinator for Academic Minor, as listed below, who will be the minor advisor. This can be done via e-mail or in person. Students must have a posted grade in order to submit an application.

Certification

The contact person listed below will certify the minor prior to graduation. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork for certification should be completed no later than during the registration period for the student's final semester at NC State.

Contact Person

Dr. Barbara Jasmine Adams
1204 Engineering Bldg II (EB II)
919.513.7888
barbara_adams@ncsu.edu

SIS Code: 14CPM

MEMO

To: Dr. Lisa Zapata
Interim Vice-Chancellor
Division of Academic and Student Affairs

From: Dr. Sarah Heckman (sarah_heckman@ncsu.edu)
Director of Undergraduate Programs, Department of Computer Science

Date: September 11, 2020

Subject: Undergraduate Certificate in Computer Programming (14CPCTU)

We are making the following changes to the Undergraduate Certificate in Computer Programming (14CPCTU):

- Updating Student Outcomes
- Removing CSC 236 as a required course
- Updating the contact information to refer students to the Director of Advising for the Department of Computer Science

We are updating the Student Outcomes for the Computer Science major to include the required student outcomes from our accreditation agency of ABET CAC and then our own Departmental Student Outcomes. The Departmental Student Outcomes are a revision of our prior student outcomes for the major. The Computer Programming Minor (14CPM) has student outcomes that align to the first three of the Departmental Student Outcomes. These updates are listed here for the Student Outcomes for the Computer Programming Minor.

By removing CSC 236 as a required course for the minor, we move from 22 credit hours to 19 credit hours. This will make the minor easier for students to complete.

We are additionally updating the contact information to point students to the Director of Advising for the Department of Computer Science as the best person to provide information to interested students in how to enroll in the program.

Proposed effective date: 7/2021

Signatures



9/11/2020

Director of Undergraduate Programs, Computer Science

Date



9/11/2020

Head, Department of Computer Science

Date



12 Nov 2020

Chair, COE Courses and Curriculum Committee

Date



11-24-2020

Dean, College of Engineering

Date

Chair, University Courses and Curricula Committee

Date

Office of the Provost

Date

Computer Programming Minor Student Outcomes (Proposed)

Upon completion of the minor, Computer Programming Minor students will

1. apply theoretical and mathematical computing foundations and be able to
 1. apply fundamental concepts of discrete mathematics, such as logic, proofs, set theory, relations, functions, and combinatorics, to model computational problems,
 2. analyze and evaluate the complexity of algorithms and data structures for selecting the most appropriate solution for a computing problem,
 3. use data structures, such as lists, stacks, queues, arrays, graphs, trees, heaps, and hashing, to design and create algorithms,
 4. demonstrate and apply the theory of computation related to automata, computability, and computational complexity to solve computing problems.
2. demonstrate proficiency in one programming language and competence in at least one other programming language and be able to
 1. write procedural programs,
 2. write object-oriented programs,
 3. write parallel programs.
3. describe the hardware and software architecture of computer systems and be able to
 1. explain the function and interaction of computer processing units, memories, and input/output devices,
 2. define and explain elements of operating systems, such as memory management, process scheduling, synchronization and interaction, and input/output devices,
 3. distinguish computer network elements and explain distributed computing,
 4. identify and explain security and privacy of computers, software, and networks.

Computer Programming Minor Student Outcomes (Original)

Upon completion of the minor, Computer Programming Minor students will

1. **be competent in theoretical and mathematical foundations of computer science and be able to**
 1. apply fundamental concepts of discrete mathematics such as logic, proofs, set theory, relations, functions, and combinatorics to model computational problems,
 2. demonstrate the application of abstract structures such as graphs, finite state machines, and recurrence relations to the solution of computer science problems,
 3. analyze and evaluate comparative performance of algorithms and data structures appropriate to solving computer science problems,
 4. apply concepts related to data structures such as lists, stacks, queues, arrays, graphs, trees, heaps, and hashing to design and create algorithms.
2. **be proficient in one programming language and have a basic knowledge of several others and be able to**
 1. write efficient solutions to specific problems using an object-oriented programming language,
 2. write programs in assembly language,
 3. write programs in a procedural programming language.
3. **understand the hardware and software architecture of computer systems and be able to**
 1. explain the function and interaction of computer processing units, memories, and input/output devices,
 2. define and explain elements of operating systems such as memory management, process scheduling, synchronization and interaction, and input/output devices,

3. distinguish computer network elements and understand issues related to computer security

Computer Programming (PBS) (DE only)

Proposed Effective Date: 7/2021

Description

The Computer Science Department offers the Computer Programming Certificate (CPC) to post-baccalaureate students (PBS) to enable them to change careers, enhance their professional credentials, or simply learn more about computer programming. The focus of the required courses is the theory and practice of the basics of Computer Science and computer programming. Rather than teach applications and a single skill set, the program focuses on higher order analytical skills that are crucial to mastery of an ever-changing field. This certificate is offered via Distance Education.

Program Contact & Advising

Director of Advising, Department of Computer Science

Dr. Barbara Jasmine Adams

1204 Engineering Bldg II (EB II)

919.513.7888

barbara_adams@ncsu.edu

Program Coordinators

Certificate Director

Dr. Sarah Heckman

Director of Undergraduate Programs, Department of Computer Science

2297 Engineering Building II (EBII)

919-515-2042

sarah_heckman@ncsu.edu

Director of Engineering Online

Dr. Linda Krute

College of Engineering – Dean's Office

919-515-5440

linda_krute@ncsu.edu

Curriculum

Required Courses:

- MA 121 Introduction to Calculus (or any college calculus course)
*Please note that students who intend to pursue graduate study after completion of the CPC need MA 141, not MA 121.
- CSC 116 Introduction to Computing – Java (3 cr with a grade of C or better)
- CSC 216 Software Development Fundamentals (3 cr with a grade of C or better)
- CSC 217 Software Development Fundamentals Lab (1 cr with a grade of C or better)
- CSC 226 Discrete Mathematics (3 cr)
- CSC 230 C and Software Tools (3 cr)
- CSC 246 Concepts and Facilities of Operating Systems (3 cr)
- CSC 316 Data Structures (3 cr)

** The Department of Computer Science waives the pre/co-requisite of MA 121 or 131 or 141 so students interested in the CPC may begin by taking CSC 116. However, a Calculus I class remains a requirement for the CPC program. E 115 is waived as a prerequisite for CSC 116 since this is a DE program and E 115 material is not needed for student success.

Total Hours Required: 22-23

Admissions Requirements

Although anyone with the prerequisites can take CSC classes offered through the CPC Program, the CPC is a distance-only program for PBS students. After students have been accepted as an NDS student at NC State, they may apply for the CPC program. Students must submit a BS/BA transcript from a degree other than computer science or computer engineering. The certificate is awarded to students completing the required courses with a grade point average of 2.0 or above.

Engineering Online and the Department of Computer Science jointly maintain and distribute a written description for interested prospective students. The Director of Advising for the Department of Computer Science coordinates with Registration & Records in issuing of certificates.

All course descriptions are identical to regular courses.

Students may enroll for classes through Engineering Online.

Plan of Study

Contact the [Program Contact & Advisor](#).

Registration Information

Contact the [Program Contact & Advisor](#).

Academic Structure

Term Effective: 1/1979; 8/2011, 1/2019, 7/2020, [7/2021](#)

Plan Code: 14CPCTU, 32CPCTU

CIP Code: 14.0901

Description: Undergraduate Certificate in Computer Programming

Offered: [Distance Education](#) format only

Computer Programming (PBS) (DE only)

Proposed Effective Date: 7/2020

Description

The Computer Science Department offers the Computer Programming Certificate (CPC) to post-baccalaureate students (PBS) to enable them to change careers, enhance their professional credentials, or simply learn more about computer programming. The focus of the required courses is the theory and practice of the basics of Computer Science and computer programming. Rather than teach applications and a single skill set, the program focuses on higher order analytical skills that are crucial to mastery of an ever-changing field. This certificate is offered via Distance Education.

Program Coordinators

Certificate Director

Dr. Sarah Heckman

North Carolina State University

Department of Computer Science-Engineering

Campus Box 8206

Raleigh, NC 27695

919-515-2042

sarah_heckman@ncsu.edu

Director of Engineering Online

Dr. Linda Krute

North Carolina State University

College of Engineering – Dean's Office

Campus Box 7547

Raleigh, NC 27695

919-515-5440

linda_krute@ncsu.edu

Curriculum

Required Courses:

- MA 121 Introduction to Calculus (or any college calculus course)
*Please note that students who intend to pursue graduate study after completion of the CPC need MA 141, not MA 121.
- CSC 116 Introduction to Computing – Java (3 cr with a grade of C or better)
- CSC 216 Software Development Fundamentals (3 cr with a grade of C or better)
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- CSC 226 Discrete Mathematics (3 cr)
- CSC 230 C and Software Tools (3 cr)
- CSC 236 Computer Organization and Assembly Language (3 cr)
- CSC 246 Concepts and Facilities of Operating Systems (3 cr)
- CSC 316 Data Structures (3 cr)

** The Department of Computer Science waives the pre/co-requisite of MA 121 or 131 or 141 so students interested in the CPC may begin by taking CSC 116. However, a Calculus I class remains a requirement for the CPC program. E 115 is waived as a prerequisite for CSC 116 since this is a DE program and E 115 material is not needed for student success.

Total Hours Required: 24

Admissions Requirements

Although anyone with the prerequisites can take CSC classes offered through the CPC Program, the CPC is a distance-only program for PBS students. After students have been accepted as an NDS student at NC State, they may apply for the CPC program. Students must submit a BS/BA transcript from a degree other than computer science or computer engineering. The certificate is awarded to students completing the required courses with a grade point average of 2.0 or above.

Engineering Online and the Department of Computer Science jointly maintain and distribute a written description for interested prospective students. The Director of Advising for the Department of Computer Science coordinates with Registration & Records in issuing of certificates.

All course descriptions are identical to regular courses.

Students may enroll for classes through Engineering Online.

Plan of Study

Contact the Program Coordinators.

Registration Information

Contact the Program Coordinators.

Academic Structure

Term Effective: 1/1979; 8/2011, 1/2019, 7/2020

Plan Code: 14CPCTU, 32CPCTU

CIP Code: 14.0901

Description: Undergraduate Certificate in Computer Programming

Offered: Distance Education format only