



UNC
COLLEGE OF
ARTS & SCIENCES

THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

DEPARTMENT OF COMPUTER SCIENCE
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KEVIN JEFFAY
Gillian Cell Distinguished Professor and Chair

October 13, 2016

Nick Siedentop
Curriculum Director for Undergraduate Curricula
Office of Undergraduate Education
3010 Steele, CB #3504,
Carolina Campus

Dear Nick,

With this letter, the Department of Computer Science requests approval of a revision to its current degree requirements for the Bachelor of Arts in Computer Science. The change has no impact on the courses or requirements for the degree but is a significant reduction in the processing required for approval of the major.

In 2013, we revamped the Bachelor of Arts degree to permit students to take courses outside of Computer Science that could count toward the major. However, the courses required Departmental approval on a per-student basis. Since 2013 we have maintained a list of the courses that have been approved and this list, which includes 9 courses, has been quite stable. Our intent is to now formalize the inclusion of these courses in the major to allow their automatic capture by Tar Heel Tracker. Attached are letters of support from the other departments for the inclusion of these nine courses in the BA major.

The wording of the requirements for the major has been further simplified, but there are no other changes to the content.

The current definition of the six additional elective courses for the BA:

Six additional COMP courses numbered 426 or higher (excluding courses for honors thesis, internships, co-ops, and independent study). Graduate level courses (600 or higher) other than COMP 790 may be counted towards this requirement. COMP 790 courses are generally seminar courses that are not appropriate for this requirement and may only be counted with the approval of the director of undergraduate studies. A course that is listed as both a COMP 590 and COMP 790 may be used as the one offering of COMP 590.

Up to two of these courses may be satisfy by courses from other departments in related disciplines. These courses must be approved by the director of undergraduate studies and must have a significant computer science or computing technology component. A list of previously approved courses is maintained by the department here [a hyperlink appears in the on-line version].

The current list reads

- BIOL 525, Computational Analyses and Resources in Genomics
- INLS 318, Human-Computer Interaction
- INLS 509, Information Retrieval
- INLS 512, Applications of Natural Language Processing
- INLS 609, Experimental Information Retrieval
- INLS 613, Text Mining
- LING 540, Mathematical Linguistics
- MATH 566, Introduction to Numerical Analysis
- MATH 661, Scientific Computation I
- PHYS 231, Physical Computing
- PHYS 331, Introduction to Numerical Techniques in Physics

We are eliminating INLS 509 and 512 from the list because they are already cross-listed as COMP 487 and 486 respectively and were therefore not appropriate for the list.

The new proposed definition is:

Six additional elective courses chosen from the following, with no more than two courses from other departments:

- COMP courses numbered 426 – 599 (excluding courses for honors thesis, internships and independent study)
- Any single offering of COMP 590¹
- Graduate level courses (600 or higher) other than COMP 790²
- BIOL 525
- INLS 318, 609, 613
- LING 540
- MATH 566, 661
- PHYS 231, 331
- Other courses must be approved by the director of undergraduate studies and must have a significant computer or computing technology component.

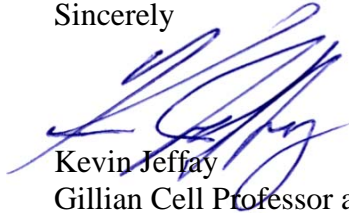
Comment: MATH 661 (Scientific Computation I) is cross-listed with ENVR 661.

¹ Additional offerings of COMP 590 may be counted toward this requirement with the approval of the director of undergraduate studies.

² COMP 790 courses are general seminar courses that are not appropriate for this requirement and may only be counted with the approval of the director of undergraduate studies.

Your assistance in processing this request is most appreciated.

Sincerely

A handwritten signature in blue ink, appearing to read 'Kevin Jeffay', written over the printed name.

Kevin Jeffay
Gillian Cell Professor and Chair



Diane Pozefsky <pozefsky@cs.unc.edu>

Request for Letter of Support

5 messages

Diane Pozefsky <pozefsky@cs.unc.edu>
To: bautch@med.unc.edu

Wed, Oct 5, 2016 at 11:03 PM

Prof Bautch,

My name is Diane Pozefsky and I am the Director of Undergraduate Studies in Computer Science. We would like to make a minor restructure of our BA program that will help simplify management of programs of study.

We currently allow students to include two courses outside of computer science to be counted toward the major. The courses need to be approved as having a significant computational component. After several years, we have a list of 9 pre-approved courses that can be counted. We feel that it is time to formalize those courses.

The change that we want to make is to include them as part of the BA (as a maximum of 2 courses outside of computer science) so that they can be automatically managed by Tarheel Tracker. We do not expect any change in the frequency of students taking these courses but the university requires that we get a letter of support from the involved department.

The Biology course that is on our list is
BIOL 525, Computational Analyses and Resources in Genomics

If you would be willing to indicate your support for this change that would include BIOL 525 as a possible course for the BA in Computer Science, we would like to submit the change to the Administrative Board on October 15.

Thank you for your help.

Diane Pozefsky

Diane Pozefsky <pozefsky@cs.unc.edu>
To: jreed@email.unc.edu

Tue, Oct 11, 2016 at 9:10 AM

Jason,

Hoping that you can help me get a letter of support for this. We need to submit it to the administrative board this week. We have only had a handful of students use this course. Given the prerequisites for it, I would expect that to remain the case.

Thanks,
Diane
[Quoted text hidden]

Reed, Jason W <jreed@email.unc.edu>
To: Diane Pozefsky <pozefsky@cs.unc.edu>

Tue, Oct 11, 2016 at 9:42 AM

Hi Diane,

Can I supply this or should it be from the department chair?

We actually had some internal discussion last week, and thought you might want to consider adding other quantitative biology courses to this category, either now or later:

Biol 525 Computational Analyses and Resources in Genomics/Lab (already on your list)

Biol 526 Computational Genetics

Biol 528 Systems Biology of Genetic Regulation

Biol 534 Mathematical Modeling in Biology

Biol 553 Mathematical and Computational Models in Biology

If you want further information about those courses, please let me know. Syllabi are available at <http://bio.unc.edu/undergraduate/course-info/syllabi/>.

Best,

Jason

Jason W. Reed

Department of Biology

University of North Carolina at Chapel Hill

CB #3280, Coker Hall

Chapel Hill, NC 27599-3280

U.S.A.

Email: jreed@email.unc.edu

Telephone: (919) 962-5640

From: Diane Pozefsky [mailto:pozefsky@cs.unc.edu]

Sent: Tuesday, October 11, 2016 9:10 AM

To: Reed, Jason W

Subject: Fwd: Request for Letter of Support

[Quoted text hidden]

Reed, Jason W <jreed@email.unc.edu>
To: Diane Pozefsky <pozefsky@cs.unc.edu>

Thu, Oct 13, 2016 at 10:25 AM

Diane,

I have prepared a letter for our chair to sign for this. Do you want to list just BIOL525, or other courses as well (see my message from a couple of days ago)?

Jason

Jason W. Reed

Department of Biology

University of North Carolina at Chapel Hill

CB #3280, Coker Hall

Chapel Hill, NC 27599-3280

U.S.A.

Email: jreed@email.unc.edu

Telephone: (919) 962-5640

From: Diane Pozefsky [mailto:pozefsky@cs.unc.edu]

Sent: Tuesday, October 11, 2016 9:10 AM

To: Reed, Jason W

Subject: Fwd: Request for Letter of Support

[Quoted text hidden]

Diane Pozefsky <pozefsky@cs.unc.edu>
To: "Reed, Jason W" <jreed@email.unc.edu>

Thu, Oct 13, 2016 at 1:24 PM

Sorry. I was out yesterday.

Let's go with just 525. I have a committee that needs to approve the changes and the chances of my getting it cleared through them by the end of the week are slim. I will send them the list and we'll work on it for the next administrative board meeting.

Thanks for the suggestions.

Diane

[Quoted text hidden]



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T 919.962.8363
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GARY MARCHIONINI, Ph.D.

Dean and Cary C. Boshamer Distinguished Professor

October 6, 2016

Ms. Diane Pozefsky
Director of Undergraduate Studies
Computer Science Department

Dear Diane:

SILS is pleased to have the following courses listed as electives for the BA in Computer Science.

INLS 318, Human-Computer Interaction
INLS 609, Experimental Information Retrieval
INLS 613, Text Mining

As you know, SILS and CS have cross-listed graduate courses in information retrieval and NLP for many years and I look forward to continued collaborations and cross-program sharing of courses between SILS and CS undergraduate programs in the years ahead.

Sincerely

Gary Marchionini
Dean and Cary C. Boshamer Professor



Diane Pozefsky <pozefsky@cs.unc.edu>

Request for Letter of Support

3 messages

Diane Pozefsky <pozefsky@cs.unc.edu>
To: ptr@email.unc.edu

Wed, Oct 5, 2016 at 11:02 PM

Prof Roberge,

My name is Diane Pozefsky and I am the Director of Undergraduate Studies in Computer Science. We would like to make a minor restructure of our BA program that will help simplify management of programs of study.

We currently allow students to include two courses outside of computer science to be counted toward the major. The courses need to be approved as having a significant computational component. After several years, we have a list of 9 pre-approved courses that can be counted. We feel that it is time to formalize those courses.

The change that we want to make is to include them as part of the BA (as a maximum of 2 courses outside of computer science) so that they can be automatically managed by Tarheel Tracker. We do not expect any change in the frequency of students taking these courses but the university requires that we get a letter of support from the involved department.

The Linguistics course that is on our list is
LING 540, Mathematical Linguistics

If you would be willing to indicate your support for this change that would include LING 540 as a possible course for the BA in Computer Science, we would like to submit the change to the Administrative Board on October 15.

Thank you for your help.

Diane Pozefsky

Roberge, Paul T <ptr@email.unc.edu>
To: Diane Pozefsky <pozefsky@cs.unc.edu>

Thu, Oct 6, 2016 at 11:34 AM

Dear Professor Pozefsky,

The Department of Linguistics is pleased to support the proposed change that would include LING 540 Mathematical Linguistics as a course that can be counted toward the major (BA) in computer science.

Will this confirmation email suffice, or do you require a more formal statement on letterhead?

Kind regards,

P.

Paul T. Roberge

Professor of Germanic Languages and Joint Professor of Linguistics

Chair, Department of Linguistics

University of North Carolina at Chapel Hill

CB# 3160 441 Dey Hall

CB# 3155 109 Smith Building

Chapel Hill, NC 27599-3160

USA

Tel. +1 919 966-1642 (GSSL office)

FAX +1 919 962-3708

E-mail: ptr@email.unc.edu

"The rise and the fall is our own creation."

--Tara Nevins

From: Diane Pozefsky [mailto:pozefsky@cs.unc.edu]
Sent: Wednesday, October 05, 2016 11:03 PM
To: Roberge, Paul T <ptr@email.unc.edu>
Subject: Request for Letter of Support

Prof Roberge,

My name is Diane Pozefsky and I am the Director of Undergraduate Studies in Computer Science. We would like to make a minor restructure of our BA program that will help simplify management of programs of study.

We currently allow students to include two courses outside of computer science to be counted toward the major. The courses need to be approved as having a significant computational component. After several years, we have a list of 9 pre-approved courses that can be counted. We feel that it is time to formalize those courses.

The change that we want to make is to include them as part of the BA (as a maximum of 2 courses outside of computer science) so that they can be automatically managed by Tarheel Tracker. We do not expect any change in the frequency of students taking these courses but the university requires that we get a letter of support from the involved department.

The Linguistics course that is on our list is

LING 540, Mathematical Linguistics

If you would be willing to indicate your support for this change that would include LING 540 as a possible course for the BA in Computer Science, we would like to submit the change to the Administrative Board on October 15.

Thank you for your help.

Diane Pozefsky

Diane Pozefsky <pozefsky@cs.unc.edu>
To: "Roberge, Paul T" <ptr@email.unc.edu>

Tue, Oct 11, 2016 at 8:45 AM

I don't see why a more formal letter would be needed. Thanks.

On Thu, Oct 6, 2016 at 11:34 AM, Roberge, Paul T <ptr@email.unc.edu> wrote:

Dear Professor Pozefsky,

The Department of Linguistics is pleased to support the proposed change that would include LING 540 Mathematical Linguistics as a course that can be counted toward the major (BA) in computer science.

Will this confirmation email suffice, or do you require a more formal statement on letterhead?

Kind regards,

P.

Paul T. Roberge
Professor of Germanic Languages and Joint Professor of Linguistics
Chair, Department of Linguistics
University of North Carolina at Chapel Hill
CB# 3160 441 Dey Hall
CB# 3155 109 Smith Building
Chapel Hill, NC 27599-3160
USA

Tel. +1 919 966-1642 (GSLI office)

FAX +1 919 962-3708

E-mail: ptr@email.unc.edu

"The rise and the fall is our own creation."

--Tara Nevins

From: Diane Pozefsky [mailto:pozefsky@cs.unc.edu]

Sent: Wednesday, October 05, 2016 11:03 PM

To: Roberge, Paul T <ptr@email.unc.edu>

Subject: Request for Letter of Support

Prof Roberge,

My name is Diane Pozefsky and I am the Director of Undergraduate Studies in Computer Science. We would like to make a minor restructure of our BA program that will help simplify management of programs of study.

We currently allow students to include two courses outside of computer science to be counted toward the major. The courses need to be approved as having a significant computational component. After several years, we have a list of 9 pre-approved courses that can be counted. We feel that it is time to formalize those courses.

The change that we want to make is to include them as part of the BA (as a maximum of 2 courses outside of computer science) so that they can be automatically managed by Tarheel Tracker. We do not expect any change in the frequency of students taking these courses but the university requires that we get a letter of support from the involved department.

The Linguistics course that is on our list is

LING 540, Mathematical Linguistics

If you would be willing to indicate your support for this change that would include LING 540 as a possible course for the BA in Computer Science, we would like to submit the change to the Administrative Board on October 15.

Thank you for your help.

Diane Pozefsky



Diane Pozefsky <pozefsky@cs.unc.edu>

Request for Letter of Support

4 messages

Diane Pozefsky <pozefsky@cs.unc.edu>
To: rmm@email.unc.edu

Wed, Oct 5, 2016 at 11:02 PM

Prof McLaughlin,

My name is Diane Pozefsky and I am the Director of Undergraduate Studies in Computer Science. We would like to make a minor restructure of our BA program that will help simplify management of programs of study.

We currently allow students to include two courses outside of computer science to be counted toward the major. The courses need to be approved as having a significant computational component. After several years, we have a list of 9 pre-approved courses that can be counted. We feel that it is time to formalize those courses.

The change that we want to make is to include them as part of the BA (as a maximum of 2 courses outside of computer science) so that they can be automatically managed by Tarheel Tracker. We do not expect any change in the frequency of students taking these courses but the university requires that we get a letter of support from the involved department.

The Math courses that are on our list is
MATH 566, Introduction to Numerical Analysis
MATH 661, Scientific Computation I

If you would be willing to indicate your support for this change that would include these 2 courses as possible courses for the BA in Computer Science, we would like to submit the change to the Administrative Board on October 15.

Thank you for your help.

Diane Pozefsky

Diane Pozefsky <pozefsky@cs.unc.edu>
To: "Marzuola, Jeremy Louis" <marzuola@email.unc.edu>

Tue, Oct 11, 2016 at 9:14 AM

Jeremy,

Hope that you can help me get a letter of support for this. We need to submit to the administrative board this week.

We do not have a lot of our majors taking either of these courses and I don't expect that to change.

Thanks,
Diane
[Quoted text hidden]

Marzuola, Jeremy Louis <marzuola@email.unc.edu>
To: Diane Pozefsky <pozefsky@cs.unc.edu>

Tue, Oct 11, 2016 at 11:19 AM

Dear Diane,

I apologize for the delay. I had communicated with my chair that this sounded fine upon his forwarding me your previous letter, but had not heard back until today. I support this change to the CS BA program. Do you need an official letter or will e-mail confirmation do? I can try to get you a formal letter sometime tonight if need be.

Best,

Jeremy
[Quoted text hidden]

10/13/2016

UNC Chapel Hill Dept of Computer Science Mail - Request for Letter of Support

Diane Pozefsky <pozefsky@cs.unc.edu>

Thu, Oct 13, 2016 at 1:37 PM

To: "Marzuola, Jeremy Louis" <marzuola@email.unc.edu>

This is fine. Thanks.

[Quoted text hidden]



Diane Pozefsky <pozefsky@cs.unc.edu>

Request for Letter of Support

5 messages

Diane Pozefsky <pozefsky@cs.unc.edu>
To: iliadis@physics.unc.edu

Wed, Oct 5, 2016 at 11:06 PM

Prof Iliadis,

My name is Diane Pozefsky and I am the Director of Undergraduate Studies in Computer Science. We would like to make a minor restructure of our BA program that will help simplify management of programs of study.

We currently allow students to include two courses outside of computer science to be counted toward the major. The courses need to be approved as having a significant coputational component. After several years, we have a list of 9 pre-approved courses that can be counted. We feel that it is time to formalize those courses.

The change that we want to make is to include them as part of the BA (as a maximum of 2 courses outside of computer science) so that they can be automatically managed by Tarheel Tracker. We do not expect any change in the frequency of students taking these courses but the university requires that we get a letter of support from the involved department.

The Physics courses that are on our list is
PHYS 231, Physical Computing
PHYS 331, Introduction to Numerical Techniques in Physics

If you would be willing to indicate your support for this change that would include these 2 courses as possible courses for the BA in Computer Science, we would like to submit the change to the Administrative Board on October 15.

Thank you for your help.

Diane Pozefsky

Iliadis, Christian <iliadis@physics.unc.edu>
To: Diane Pozefsky <pozefsky@cs.unc.edu>
Cc: "Tsui, Frank" <ftsui@physics.unc.edu>, "Smith, Greg" <smithlg@email.unc.edu>

Thu, Oct 6, 2016 at 8:34 AM

Diane,

Could you please work with Frank Tsui, our Director of Undergraduate Studies, to draft a paragraph for the letter. My assistant, Greg Smith, will then put it on letterhead and I will sign.

Christian

Christian ILIADIS
Professor and Department Chair
Department of Physics & Astronomy
and Triangle Universities Nuclear Laboratory
Phillips Hall, Room 270
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-3255, USA
Phone: (919) 962-2079
www.physics.unc.edu
www.physics.unc.edu/~iliadis

[Quoted text hidden]

Diane Pozefsky <pozefsky@cs.unc.edu>
To: "Iliadis, Christian" <iliadis@physics.unc.edu>
Cc: "Smith, Greg" <smithlg@email.unc.edu>, "Tsui, Frank" <ftsui@physics.unc.edu>

Thu, Oct 6, 2016 at 8:39 AM

Will do. Will send something this morning. Thank you.

[Quoted text hidden]

Tsui, Frank <ftsui@physics.unc.edu>
To: Diane Pozefsky <pozefsky@cs.unc.edu>
Cc: "Iliadis, Christian" <iliadis@physics.unc.edu>, "Smith, Greg" <smithlg@email.unc.edu>

Thu, Oct 6, 2016 at 10:35 AM

I'd recommend our department to fully support putting the two courses in the "books" for computer science. For your information, we are in the process of removing the co- pre-requisite of PHYS 119 for PHYS 231, since comp sci doesn't require the two semester intro physics series, this change would keep the number of actual requirements for the comp sci majors unchanged.

Best,
Frank

Frank Tsui
Professor | Director of Undergraduate Studies | Department of Physics and Astronomy
The University of North Carolina
CB# 3255, Phillips Hall | Chapel Hill, NC 27599-3255
<http://www.physics.unc.edu/project/ftsui/mbe/index.html>

[Quoted text hidden]

Diane Pozefsky <pozefsky@cs.unc.edu>
To: "Tsui, Frank" <ftsui@physics.unc.edu>
Cc: "Iliadis, Christian" <iliadis@physics.unc.edu>, "Smith, Greg" <smithlg@email.unc.edu>

Tue, Oct 11, 2016 at 8:56 AM

Frank,

I apologize for not getting this back to you last week. Here is a stab at the letter:

The Department of Physics and Astronomy is pleased to have the following courses listed as electives for the BA in Computer Science.

PHYS 231, Physical Computing
PHYS 331, Introduction to Numerical Techniques in Physics

We are in the process of removing the co-requisite of PHYS 119 for PHYS 231, which makes this is an even more attractive offering for computer science majors

[Quoted text hidden]