

Substantive Change Cover Sheet

1. Complete and submit a Substantive Change Cover Sheet with every substantive change submission.
2. Submit substantive changes as separate submissions except as permitted by policy.
3. Multiple changes in one submission, except as allowed by policy, will be returned.
4. An invoice will be issued, if required, when action is taken; no need to send payment until invoiced.

INSTITUTIONAL INFORMATION

INSTITUTION NAME (NO ABBREVIATIONS)	MAIN CAMPUS CITY + STATE (OR NON-U.S. COUNTRY)
IS THE INSTITUTION CURRENTLY ON REIMBURSEMENT FOR TITLE IV FEDERAL FUNDING? <input type="checkbox"/> Yes <input type="checkbox"/> No ▶ If "Yes" see policy for approval process requirements.	OFFICE USE

SUBSTANTIVE CHANGE RESTRICTION

1. Is the institution currently on Warning, Probation, or Probation for Good Cause?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2. Was the institution placed on Warning, Probation, or Probation for Good Cause on or after September 3, 2020, and subsequently removed from sanction?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3. Is the institution currently under provisional certification for participation in federal financial aid programs?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If ANY are "Yes" the institution is on SUBSTANTIVE CHANGE RESTRICTION . Refer to the <i>Substantive Change Policy and Procedures</i> for differential requirements and conditions.		

SUBMISSION INFORMATION

SUBSTANTIVE CHANGE TYPE (ONLY USE DESCRIPTIONS DEFINED IN POLICY)	SUBMISSION DATE	IMPLEMENTATION DATE
SUBSTANTIVE CHANGE DESCRIPTION		

OFF-CAMPUS INSTRUCTIONAL SITES /ADDITIONAL LOCATIONS RELATED TO THIS SUBMISSION

	Site Name	Address	City	State	ZIP Code	Country
1.						
2.						
3.						
4.						
5.						

PROGRAMS RELATED TO THIS SUBMISSION

	Program Name (to include discipline)	Credential (Diploma, Bachelor of Arts, etc.)	Instructional Level (undergrad/grad)
1.			
2.			
3.			
4.			
5.			

SUBMITTED

I certify the information on this form is correct and accurately represents the current status of the institution at the time of submission.

LIAISON or CEO NAME	EMAIL ADDRESS	Suggest electronically signing with Adobe Acrobat when complete and before submitting (optional).



Office of Executive Vice President for
Academic Affairs and Provost

April 1, 2021

Dr. Belle S. Wheelan, President
Southern Association of Colleges and Schools
Commission on Colleges
1866 Southern Lane
Decatur, GA 30033-4097

Dear Dr. Wheelan:

This letter serves as notification to the Southern Association of Colleges and School Commission on Colleges of new dual degree programs with National University of Science and Technology in the Sultan of Oman undertaken by the College of Engineering and Computing. The University of South Carolina, in partnership with National University of Science and Technology, will offer a dual undergraduate degree, effective Fall 2021.

Contact information for both parties to the agreement is listed as follows:

For University of South Carolina
Bob Caslen
President
University of South Carolina – Columbia
206 Osborne Administration Building
Columbia, SC 29208

For National University of Science and Technology
Sheikh Salim Saeed Hamed Al Fannah
Al Arami
Chancellor
PO Box 620, P.C. 130
Azaiba, Muscat
Sultanate of Oman

Upon completion of the program, students will earn a Bachelor of Science in Engineering with a major in Electrical Engineering from the University of South Carolina - Columbia (UofSC), and a Bachelor Engineering Electronics and Communications Engineering from National University of Science and Technology. Students must meet the degree requirements of each institution and each institution will award separate degrees. The curriculum will be collaboratively supervised between the two institutions and at least 25 percent of the credit hours required for the UofSC undergraduate degree are earned through instruction offered by UofSC. No changes are being made to curriculum, admissions or other policies. This degree has been approved

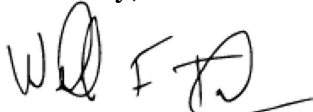
by the UofSC Board of Trustees and the South Carolina Commission on Higher Education.

The University of South Carolina is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award bachelor's degrees. National University of Science and Technology is not accredited by SACS Commission on Colleges and the accreditation of University of South Carolina does not extend to or include National University or its students. Further, although University of South Carolina agrees to accept certain coursework from National University of Science and Technology to be applied toward an award from University of South Carolina, that coursework may not be accepted by other colleges or universities in transfer, even if it appears on a transcript from University of South Carolina. The decision to accept coursework in transfer from any institution is made by the institution considering the acceptance of credits or coursework.

New costs as a result of this dual degree program will not exceed tuition income. The signed Memorandum of Understanding and contact information for the program representative at National University of Science and Technology is attached.

Please let us know if you have any questions regarding this notification.

Sincerely,



William F. Tate IV

Executive Vice President of Academic Affairs and Provost

Enclosure

WFT/TH:jp

C: Sabrina Andrews, Executive Director of Institutional Research and Assessment
Trena Houpp, Interim Director of Academic Programs
Donald Miles, Director of Institutional Effectiveness and Accreditation

AGREEMENT OF ACADEMIC COLLABORATION

Between

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
SULTANATE OF OMAN**



AND

**THE UNIVERSITY OF SOUTH CAROLINA
UNITED STATES OF AMERICA**



**UNIVERSITY OF
SOUTH CAROLINA**

For the

DUAL DEGREE PROGRAMS

**Version 03
June 2020**

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ACADEMIC COLLABORATION AGREEMENT

In order to promote educational excellence, academic ties and international cooperation, the College of Engineering and Computing at the University of South Carolina, USA and the National University of Science and Technology (NU), Sultanate of Oman, agree to enter into an academic collaboration agreement for developing and running undergraduate dual degree programs in engineering specializations.

PURPOSE OF DUAL DEGREE PROGRAMS

Both parties seek to expand education for their undergraduate students in Academic Areas listed in Annex 1. Students will be encouraged to take courses at NU and, where possible, at the University of South Carolina. Students may receive degrees from each university upon completion of the degree requirements for each university. The programs will provide opportunities for UG students to expand their learning and to enhance their academic mentoring to include faculty from both universities.

ARTICLE 1: DEFINITIONS

The following words/phrases shall have, unless otherwise agreed by the two parties, the meaning stated against each:

- 1.1 Agreement: The Academic Collaboration Agreement between the University of South Carolina and National University of Science and Technology.
- 1.2 NU: National University of Science and Technology
- 1.3 CoE: College of Engineering, National University of Science and Technology
- 1.4 USC: University of South Carolina, Columbia, United States of America
- 1.5 Dual Degree: Undergraduate (UG) degrees issued by both NU and USC for the engineering programs covered under this agreement.
- 1.6 FTE: Full time Equivalent
- 1.7 Ministry: The Ministry of Higher Education, Sultanate of Oman (MoHE)
- 1.8 OAAA: Oman Academic Accreditation Authority-Statutory body in Oman for ensuring the Quality and Standards
- 1.9 Qualifications: qualifications issued by both NU and USC for engineering programs covered under this agreement.
- 1.10 SOW: The scope of work to be agreed between USC and NU as defined in Article 3 of Agreement
- 1.11 Students: The students who attend the dual degree programs covered under this agreement.
- 1.12 FT, PT & SPT: FT is Full time, PT is Part Time and SPT is Special Part Time (2 weeks on campus in one month)
- 1.13 Party: A party to this Agreement and Parties shall be construed accordingly

ARTICLE 2: AREAS OF COOPERATION

The two parties have agreed on the following:

- 21 USC shall review and provide advice to NU in areas as defined in the scope of work (Section 3) as agreed by the two parties under the purview of this agreement.
- 22 USC and NU will collaborate for quality assurance and academic standards (Section 3) of the programs given in **Annex 1**.
- 23 The parties will cooperate in developing mechanisms and arrangements for recruiting students, to the programs given in **Annex 1**.

- 24 Other areas of co-operations will include exchange of faculty and students, exchange of academic materials and other information, participation in seminars and academic meetings, collaborative research, and organising special short-term training programs

ARTICLE 3: SCOPE OF WORK (SOW)

Program Development:

- 3.1 NU will prepare the dual degree program structure in compliance with USC Carolina Core requirements.
- 3.2 CoE will identify the NU courses that are equivalent to USC Carolina Core and the program core courses, and include these in its dual degree program structures. Dual degree students may transfer academic coursework from NU to USC to meet some of the course requirements. All transfer of academic credit from NU to USC must to be approved by USC.
- 3.3 Where no equivalent Carolina Core course could be identified from within CoE courses, NU will use the USC Carolina Core course itself in its dual degree program.
- 3.4 USC will be in an advisory role and will provide guidance and support to; (i) coordinate the development of dual degree programmes at COE including advising on design of infrastructure, facilities and improvement of existing facilities, (ii) on the comparability of standards of the programs listed in **Annex 3** offered at CoE with similar programs offered at the University of South Carolina, USA. To make NUST and USC programs and courses similar, significant changes are presently under discussion. Annex 3 Table of Equivalent courses should therefore be considered as Preliminary. A final list for each program must be approved by USC four months prior to the beginning of the Dual-degree Programs.
- 3.5 USC will offer its Carolina Core courses at CoE where CoE equivalent is not available and will accept the use of CoE courses towards the credit requirements for the dual degree awards where compatible with USC's existing courses and accreditation regimes.
- 3.6 USC will use, whenever possible, its best endeavours to take into account the needs of the CoE and the requirements of the Oman Qualification Framework.
- 3.7 USC will review and approve the program structure, and the courses therein, proposed by NU for its dual degree programs (listed in **Annex 1**).
- 3.8 Each institution has established degree requirements that must be met by student participants in other to earn the degree. Upon successful earning of 132 credit hours of the courses listed for the dual degree programs (**Annex 1**), both NU and USC agree to award the students their Degree Certificates with titles as shown in **Annex 1**. Each institution will confer the degree to participants only upon the completion of its own institution's specified requirements.

Program Review and Monitoring:

- 3.9 USC shall review the progress and performance of the programs to ensure academic standards are maintained.
- 3.10 USC shall assist in the review of programs, including the implementation of changes required by accreditation processes or annual monitoring processes as required by the Oman Academic Accreditation Authority (OAAA), Ministry of Higher Education (MoHE), Oman.
- 3.11 In addition, USC will assist NU by providing necessary guidance and coaching in obtaining and maintaining professional accreditation from the ABET for the applicable Engineering programs.

Staff and student exchange

- 3.12 USC will facilitate Student and staff exchange visits, IT support, CoE staff training and development.
- 3.13 Staff visits as required should take place between the two institutions for the implementation

of the responsibilities identified in SOW and for the success of the academic collaboration. For all programs, academic staff and / or senior management/admin staff visits may be scheduled at mutually acceptable time and financial arrangements. All such visits shall be mutually agreed to by both parties.

Quality Assurance Arrangements

All quality assurance policies, procedures and arrangements will be finalised for implementation based on mutual agreement between both parties.

- 3.14 **Student Recruitment and Registration:** Students will be recruited by NU. Admissions will be based on applicants satisfying the criteria set out in the NU Admission Policy. Dual Degree Students must meet all eligibility requirements for admission to each program.
- 3.15 **Academic Standards:** The College Board and University Council of NU will be responsible for the maintenance and oversight of the academic standards of the programs. From time to time, they may be modified, after consultation between both institutions with due input and advice from USC.
- 3.16 **Quality of faculty:** USC will approve CoE staff teaching courses for the Dual Degree programs as Adjunct Faculty of USC.
- 3.17 **Program Monitoring:** Program monitoring will be carried out by CoE and will submit an annual Continuous Quality Improvement Plan for each program to the USC for information and for comments and suggestions. Initial consideration of the plan shall be carried out by the Academic and Professional Standards Committee and College Board at CoE and subsequently by the University Council.
- 3.18 **Program Approval Documentation:** CoE will prepare the necessary documents, in line with the academic quality assurance procedures of the NU and as per the advice, if any, of USC.
- 3.19 **Changes to the Programs:** Changes to curricula, assessment regulations, and admissions regulations must be carried out in accordance with the set procedures and the mutual consent of both parties.
- 3.20 **Program Management and Administration:** CoE will be responsible for the day-to-day management and administration of the programs. This administration will include the admission and registration of students; co-ordinating assessment arrangements; organising assessments, including appropriate invigilation arrangements; monitoring student progress and advising them; where required, the CoE will liaise with the USC on matters pertaining to the above.
- 3.21 **Program Assessment:** Procedures and arrangements for assessments as agreed by both parties will be specified in program documents. The language of instruction and assessment shall be English.
- 3.22 **Language of Instruction:** All courses will be taught in English. Candidates who have not graduated from a program with English as the instructional language, or are not currently enrolled in a program with English as the instructional language must submit a valid (two years old or less) test score demonstrating their command of the English language. The minimum score for the Test of English as a Foreign Language (TOEFL) is 80 (internet-based) and 6.5 or the International Language Testing System (IELTS) prior to beginning the program.
- 3.23 **Academic Calendar:** USC's academic calendar will be followed.

General Principles

- 3.24 The collaboration and association between the parties in accordance with the terms of this agreement shall not constitute a partnership. Either party will permit the use of their university's logo by the other party in its marketing and promotional materials, and in the exit awards of the dual degree programs. Either party shall use the other's logo in

appropriate size, style and colouring, with prior approval of the party concerned.

- 3.25 USC shall provide services to NU in academic collaboration and association between the parties, in accordance with the terms of this Agreement. This Agreement shall not constitute either party as an agent of the other party or any third party.
- 3.26 **SACSCOC disclaimer:** The University of South Carolina is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award Associate, Baccalaureate, Masters, and Doctoral degrees. The National University of Science and Technology is not accredited by SACS Commission on Colleges and the accreditation of University of South Carolina does not extend to or include National University of Science and Technology or its students. Further, although University of South Carolina agrees to accept certain course work from National University of Science and Technology to be applied toward an award from University of South Carolina, that course work may not be accepted by other colleges or universities in transfer, even if it appears on a transcript from University of South Carolina. The decision to accept course work in transfer from any institution is made by the institution considering the acceptance of credits or course work.

ARTICLE 4: UNDERTAKINGS

In addition to the SOW presented in Article 3, the USC hereby undertakes the following:

- 4.1 USC will provide a review report for the new programs proposed which covers the following:
- a) Compliance with ABET requirements for accreditation
 - b) Benchmarking with relevant USC programs
 - c) Admission criteria
 - d) Adequacy of resources at CoE for running the proposed dual degree programs
 - e) QA policies and procedures available at CoE
 - f) Learning, Teaching and Assessment strategies available at CoE.
 - g) Research initiatives and capabilities at CoE in the proposed programs
- 4.2 USC will advise and assist in defining the qualification and certificates for programs listed in Annex 1 and the future modifications to this annex.
- 4.3 Consideration will be given by USC to the scope and role of online teaching in delivering the programs.
- 4.4 NU hereby undertakes the following:
- a) Maintain the standards and level of education at CoE with advice from the USC and in line with the rules and regulations set by the Ministry.
 - b) CoE will provide appropriate educational facilities and will recruit qualified teaching staff to maintain the standards.
 - c) Comply with the relevant statutory and regulatory requirements of applicable Omani Government and its regulations.
- 4.5 Both institutions will appoint project liaison officers, who will be focal points and the recipients of copies of all correspondence for records purposes and each Institution will send lists of the individuals who will be operationally involved at USC/ CoE / Academic Department Level.
- 4.6 If required, NU and USC prepare a Liaison Handbook and Directory to facilitate interaction and to indicate general procedural matters between both institutions.

ARTICLE 5: COSTS AND FEES

The NU shall pay an agreed amount of money to USC for the provision of the services as per the

terms, conditions, and manner detailed in **Annex 2**. Future specific annex will have similar financial arrangements appropriate to the scope of work entailed and in compliance with the provisions of this overarching agreement.

ARTICLE 6: DURATION

- 6.1 This Agreement shall become effective on the last date of signature by both parties.
- 6.2 This agreement shall remain in force for five years and may be renewed by consent.
- 6.3 The review process for the renewal of this agreement will be initiated one year prior to its expiry date and for any modifications.
- 6.4 Both parties agree that, should a material change occur in the legislation relating to the granting of degrees of another country in the Sultanate of Oman then this Agreement will be revised to reflect mutually acceptable terms and conditions addressing this material change.

ARTICLE 7: TERMINATION

Notwithstanding the provisions of Article 6, this Agreement may be terminated in the following cases:

- 7.1 Forthwith by either party hereto by prior notice to the other party if the other party:
 - i Violated any of the obligations hereunder, provided that a notice was given indicating such violation, and that no acceptable remedy was made in six months following the notice.
 - ii Declared bankruptcy and entered into liquidation whether compulsorily or voluntarily, except for the purpose of reconstruction or amalgamation.
- 7.2 Notwithstanding the provision contained in Article 7.1, if any one party hereto fails to observe the terms and conditions of this Agreement or is prevented from performing its obligations hereunder by reason of force majeure and, if such failure or prevention is of temporary nature, it shall not provide grounds for termination by the other party except where such failure persists for a continuous period of 3 months, then either party may forthwith terminate the Agreement by prior notice of at least one calendar year to the other.
- 7.3 Any termination of this Agreement must be formally reported by NU to the Ministry of Higher Education in the Sultanate of Oman.
- 7.4 In case of termination of the agreement for any of the reasons stated above, the parties are, however, obliged to honour their commitment to the students already enrolled in the Programs till their study is completed and degrees are awarded..
- 7.5 Under any circumstances the NU and the USC agree to protect the interests of the students admitted to ensure and facilitate support until the students complete their studies and get their degrees awarded. Both parties must agree and sign a transition arrangement for not less than 8 years to ensure that the student enrolled or students admitted in the Program including the Foundation Studies in all modes of study can complete and obtain the degree.
- 7.6 This Agreement may be terminated with the mutual consent of the Parties. In addition, either Party may unilaterally terminate the Agreement without cause by providing written notice to the other Party at least one hundred and eighty days prior to the date of termination. If no activity occurs as described in the Agreement during five years after it becomes effective, the Agreement shall be considered to have been terminated.
- 7.7 In the event of program termination, those students enrolled in the program shall be allowed to complete the program, with the agreed upon financial conditions, as long as they make academic progress toward degree completion.

ARTICLE 8: CONFIDENTIALITY AND INTELLECTUAL PROPERTY

- 8.1 It is agreed that information communicated between the parties under this Agreement is

confidential and shall be reserved strictly for their own use. Both parties undertake to keep all information in the agreement confidential and shall take all steps necessary to prevent it from being disclosed to third parties. Notwithstanding the foregoing, such information may be shared with the Ministry of Higher Education in Oman or Government authorities at their request and with the appropriate statutory authorities in Oman and in SC after obtaining approvals from NU or USC, as applicable.

Notwithstanding any agreement to keep information confidential, the Parties recognize that the University of South Carolina is a state institution subject to the public records laws of the State of South Carolina, and nothing in this Agreement is intended to limit or constrain the University's responsibilities pursuant to that law to produce documents as the University determines in its discretion is required. Further, this Agreement and amount of any revenues received by the University pursuant to this Agreement are public documents or public information, respectively, subject to public release.

- 82 All copyright and other Intellectual Property Rights in all academic documents and materials (in whatever form) prepared by NU pursuant to this Agreement shall remain vested in the university. This includes the IP of materials; programmes created by both parties specifically and uniquely for the dual degree programs launched and delivered at CoE in collaboration with USC but excludes all products, findings, methodologies, procedures and/or developments resulting from joint research or other scholarly activities.

ARTICLE 9: COMPLIANCE WITH THE LAW

The parties agree to comply with the applicable laws of the Sultanate of Oman, local and state laws of the State of South Carolina and United States of America, in particular the Higher Education Laws, with Royal Decree 18/96 which regulates private colleges in Oman and Ministerial Decree 9/96 issued by the Ministry and the Laws of State of South Carolina, USA

ARTICLE 10: SETTLEMENT OF DISPUTES

Any dispute which is not disposed of by agreement between the parties within **ninety days** will, at request of either party, be settled through arbitration by an arbitration committee consisting of 3 arbitrators two of them nominated by NU and USC notifying each other and a third arbitrator by the two parties together.

ARTICLE 11: ASSIGNMENT

The parties agree not to assign this Agreement to a third party without the prior written approval of NU or USC, which shall not be unreasonably withheld or delayed. Any assignment without the required prior written approval of the other party shall be null and void.

ARTICLE 12: USC'S PERFORMANCE STANDARD

In that NU relies upon the USC's expertise and experience in education and also on the accuracy of all statements and representations made and advice given by the USC in connection with the services in Article 3 agreed upon by the two parties, USC shall make representations or provide suggestions, recommendations that meet normal professional standards.

ARTICLE 13: CORRESPONDENCES

All correspondences required to be exchanged pursuant to the provisions of this Agreement shall be deemed to be satisfactorily given for all purposes of this Agreement in the English language and delivered by hand or sent by facsimile, or email, or regularly-scheduled airborne express courier service (where sent from one country to another) by one party to the other party on the addresses identified below:

For National University of Science and Technology	For University of South Carolina
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<p>Vice Chancellor National University of Science & Technology PO Box 620, P.C. 130 Azaiba, Muscat Sultanate of Oman Tel: 00968 24235000 Fax: 00968 24504820</p>	<p>Provost University of South Carolina 1705 College Street Close-Hipp Building, Suite 650 Columbia, SC 29208 Telephone: (803) 777-3503 Fax: (803) 777-0462</p>
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ARTICLE 14: WAIVER

Any violation of the terms of this Agreement by either party of any of its respective obligations hereunder may be waived by the other party in writing, provided that such waiver shall not preclude the party granting the waiver from claiming the fulfilment of any obligations set out herein at any other time a violation of similar or different nature is made. Failure of one party to claim rights with respect to a violation thereof by the other party shall not, in the absence of a written waiver executed and delivered as provided in the preceding sentence, be deemed a waiver in its own rights.

ARTICLE 15: WHOLE AGREEMENT

This Agreement contains the entire understanding of the two parties and there are no provisions, terms or conditions or obligations, oral or written, expressed or implied other than those contained herein

ARTICLE 16: ALTERATION

All additions, deletions, amendments, and variations to this Agreement shall be binding only if in writing and signed by the duly authorised representatives of the parties,

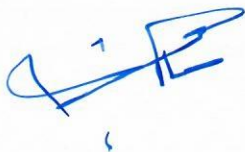
ARTICLE 17: DEPOSITION OF THE AGREEMENT

A copy of the signed agreement and any alterations thereof shall be submitted to the Ministry of Higher Education, Oman.

IN WITNESS WHEREOF these present are signed as follows:

Executed by the said National University of Science and Technology, by being subscribed by it and on its behalf by the **Chairman, University Executive Board, National University of Science and Technology**

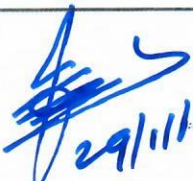

Signature



Date

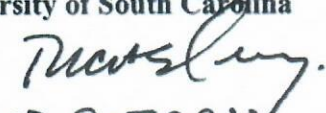
Witnessed by



1. Signature		2. Signature	
Name		Name	
Address		Address	
Date	29/11/2020	Date	29/11/2020

Executed by the said University of South Carolina by being subscribed by it and on its behalf by
President, University of South Carolina

Signature



Date

12 Oct 2020

Witnessed by



1. Signature	2. Signature
Name	Name
Address	Address
Date	Date

ANNEX 1- ACADEMIC PROGRAMMES

This Annex is supplementing the main agreement and sets out a list of programs approved by USC to be run at CoE with effect from the date of commencement after approval from MoHE. Under the scope of services, the following dual degree programmes are offered at CoE in academic collaboration with USC.

DUAL DEGREE PROGRAMMES

Name of Programme	Duration In years	Credit hours	Award Title	Mode	Awarding authority
BEng Mechanical Engineering	4	132	NU Award: BEng Mechanical Engineering USC Award: BS Mechanical Engineering	Full time (FT)	NU and USC
BEng Mechanical Engineering	6	132	NU Award: BEng Mechanical Engineering USC Award: BS Mechanical Engineering	Part time (PT) and Special Part time (SPT)	NU and USC
BEng Civil Engineering	4	132	NU Award: BEng Civil Engineering USC Award: BS Civil Engineering	Full time (FT)	NU and USC
BEng Civil Engineering	6	132	NU Award: BEng Civil Engineering USC Award: BS Civil Engineering	Part time (PT)/Special Part time (SPT)	NU and USC
BEng Electronic & Communications Engineering	4	132	NU Award: BEng Electronics & Communications Engineering USC Award: BS Electrical Engineering	Full time (FT)	NU and USC

BEng Electronic & Communications Engineering	6	132	NU Award: BEng Electronics & Communications Engineering USC Award: BS Electrical Engineering	Part time (PT)/Special Part time (SPT)	NU and USC
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In the event of any new programs introduced, these will be subject to the approval and accreditation mechanisms of NU in consultation with the USC and these Annexes to the Academic Collaboration Agreement will require written modification and signatures by both parties

Programme Delivery

1. All programs listed in Table 1 will be delivered and assessed at CoE, NU Oman.
2. Courses will be taught by CoE or USC regular or affiliated faculty. NU will be responsible for the teaching of Year 1 and 2 courses and USC will be responsible for teaching Year 3 and 4 courses. Adjustments in the teaching responsibilities for each institution will be made by mutual agreement to account for the time and effort for the input provided by USC to NU for academic, curriculum and accreditation matters.
3. USC will nominate its faculty or affiliates to teach its share of courses and to provide input listed in item 2
4. USC can deliver courses online and/or offline to the students registered in the programs
5. USC will approve CoE staff teaching in dual degree programs as the Adjunct Faculty of USC.
6. There shall be faculty exchange visits to and from USC as mentioned in Article 3 and detailed in **Annex 2**.
7. Both institutions have to abide by the Quality Assurance arrangements as described under section 3.

Executed by the said National University of Science and Technology, by being subscribed by it and on its behalf by the **Chairman Board of Directors, National University of Science and Technology**

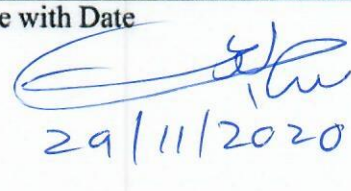
Signature



Date

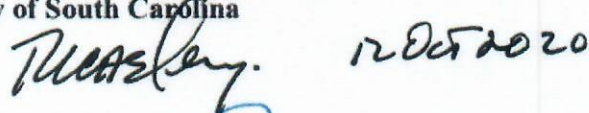
Witnessed by

1. Signature with date	2. Signature with Date
Name	Name
Address	Address

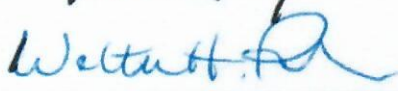



Executed by the said University of South Carolina by being subscribed by it and on its behalf by the **President, University of South Carolina**

Signature with Date



Witnessed by



1. Signature with date	2. Signature with Date
------------------------	------------------------

Name	Name
Address	Address

ANNEX 2 – FINANCIAL AGREEMENT

This Annex sets out the financial arrangement between NU and USC with respect to the Scope of Services under the main agreement and Annex 1. Payment to USC will be made as per the details given below.

1. The annual tuition rate for the four-year programs will be the non-resident reduced tuition rate (\$18,830 during 2020); for part-time, it will be proportional to the credit hours enrolled in. This fee is set by the USC Board of Trustees and may change each year.
2. USC and NU will each teach a minimum of 20% of the credits each year. USC and NU will each teach a maximum of 80% of the credits each year
3. Each year NU and USC will agree the amount of credit each institution will teach.
4. Fees will be paid to NU and NU will remit the agreed amounts to USC. The tuition for all the students enrolled in the collaborative programs will be divided equally between USC and NU and remitted for the preceding academic year by May 31 of that year. For tuition or any other USC invoice not paid more than 45 days from the due date, a penalty of 12 per cent per annum of the amounts due will be imposed from the due date.
5. Costs incurred by USC in delivering the program will be the responsibility of USC. Costs incurred by NU in delivering the program will be the responsibility of NU.
6. USC faculty teaching at NU will have economy class travel, accommodation and subsistence reimbursed by NU.
7. NU staff visiting USC will have economy class travel, accommodation and subsistence covered by NU.
8. Visits to NU by 3rd parties and associated costs will be agreed in advance by USC and NU.

Financial Agreement

Technical assistance by UofSC during Operational phase for special projects

For special projects outside the scope of services the Air fare and related travel by economy class and accommodation, subsistence and transport will be arranged and paid by the National University as per details given below. Out-of-pocket expenditure will be the responsibility of the individual, and any additional financial support will be the responsibility of the USC.

- a. **Administrators faculty and staff visits;** Actual salary plus fringe benefits, Air fare (Economy class), Accommodation and local transport.
- b. Any additional reports or written evaluations provided by CEC staff at the request of National University will be billed on an hourly basis pro-rated to cover the salary and fringe benefits of the faculty and staff.
- c. The UofSC shall bear any other additional expenses incurred towards medical or travel insurance and other incidental expenses in Oman

This Annex is signed as follows:

Executed by the said National University of Science and Technology, by being subscribed by it and on its behalf by **Chairman, University Executive Board**, National University of Science and Technology

Financial Agreement

Distribution of Revenue for the First Three Years

The first three years of the program require special care as we ramp up the offering of the courses. Starting with the fourth year, the simple financial model of an even split of the revenues will be adopted. But for the first three years the tuition revenues will be apportioned based on the percentage of the course credit hours offered by each institution. This approach should allow for each institution to ramp up their offering in a fair and sustainable manner.

Executed by the said National University of Science and Technology, by being subscribed by it and on its behalf by the **Chairman Board of Directors, National University of Science and Technology**

Signature

Date

Witnessed by



1. Signature with date	2. Signature with Date
Name	Name
Address	Address

[Handwritten signatures and dates: 29/11/2020 and 29/11/2020]

Executed by the said University of South Carolina by being subscribed by it and on its behalf by the **President, University of South Carolina**

Signature with Date

Witnessed by

[Handwritten signature and date: 21 Oct 2020]
[Handwritten signature: Walter H. ...]

1. Signature with date	2. Signature with Date
Name	Name
Address	Address

ANNEX 3 – COURSE EQUIVALENCES

As NU course are to be accepted towards degree requirements for the USC degrees, certain NU courses are equivalent to and may be accepted for credit towards each of the USC degrees listed. Such a table will be finalized and approved by USC four months prior to the start of the program and may be updated with USC approval.

Civil Engineering

USC		NU	
Course	Cr. Hrs	Course	Cr. Hrs.
ENGL101 Critical Reading & Composition (Carolina Core CMW)	3	UEL00101 University English I	3
MATH141 Calculus I (Carolina Core ARP)	4	EMS00101 Calculus I	4
CHEM 111 & CHEM 111L – General Chemistry I	4	EBS00101 General Chemistry for Engineering	4
ENGL 102 Rhetoric and Composition	3	UEL00102 University English II	3
HIST104 Int to the Civilization of the Islamic Middle East (Carolina Core GHS)	3	UHS00102 Oman History and Islamic Culture	3
MATH142 Calculus II (Carolina Core ARP)	4	EMS00102 Calculus II	4
STAT509 Statistics for Engineers (Carolina Core INF)	3	EMS00301 Probability & Statistics	3

USC		NU	
Course	Cr. Hrs	Course	Cr. Hrs.
ECIV 200 - Statics	3	EGI00202 Engineering Mechanics	3
ECIV 201 Computational Methods for Civil Engr	3	EMS00401 Numerical Methods	3
ECIV 220 Mechanics of Solids	3	ECE10214 Strength of Materials	3
ECIV 320 Structural Analysis I	3	ECE10319 Structural Analysis I	3
ECIV 325 - Structural Steel Design (Other Elective)	3	ECE10405 Design of Structural Steel Elements	3
ECIV 327 - Reinforced Concrete Design (ECIV Distribution Elective)	3	ECE10308 Design of Reinforced Concrete Elements	3
ECIV 330 Intro. to Geotechnical Engineering	3	ECE10311 Geotechnical Engineering	3
ECIV 340 Intro. to Transportation Engineering	3	ECE10314 Introduction to Transportation Engineering	3
ECIV 360 Fluid Mechanics		ECE10310 Fluid Mechanics	3
ECIV 520 - Structural Analysis II (ESM Elective)	3	ECE20419 Structural Analysis II	3
ECIV 524 - Structural Vibrations (ESM Elective)	3	ECE20302 Basic Structural Dynamics and Application	3
ECIV 530 - Foundation Analysis and Design (ECIV Distribution Elective)	3	ECE10407 Foundation Engineering	3
ECIV 555 - Principles of Municipal Solid Waste Engineering (ECIV Distribution Elective)	3	ECE20315 Solid Waste management	3
ECIV 560 - Open Channel Hydraulics (ECIV Distribution Elective)	3	ECE10313 Hydraulics and Laboratory	3
ECIV Laboratory Elective	1	ECE10312 Geotechnical Engineering Laboratory	1
ESM Elective	3	ECE10208 Land Surveying Principles and Laboratory	3
MATH 242 Elem. Differential Equations	3	EMS00201 Differential Equations	4
MATH241 Vector Calculus	3	EMS00202 Linear Algebra and Vector Calculus	3
PHYS212 Essentials of Physics II	2	EBS00203 Physics II	3

PHYS212L Essentials of Physics II Lab	1	EBS00204 Physics Laboratory	1
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Electrical Engineering

USC		NU	
Course	Cr. Hrs	Course	Cr. Hrs.
ENGL101 Critical Reading & Composition (Carolina Core CMW)	3	UEL00101 University English I	3
MATH141 Calculus I (Carolina Core ARP)	4	EMS00101 Calculus I	4
HIST104 Int to the Civilization of the Islamic Middle East (Carolina Core GHS)	3	UHS00102 Oman History and Islamic Culture	3
ENGL102 Rhetoric & Composition (Carolina Core CMW)	3	UEL00102 University English II	3
MATH142 Calculus II (Carolina Core ARP)	4	EMS00102 Calculus II	4
PHYS212L Essentials of Physics II Lab (Carolina Core SCI)	1	EBS00204 Physics Laboratory	1
STAT509 Statistics for Engineers (Carolina Core INF)	3	EMS00301 Probability and Statistics	3

USC		NU	
Course	Cr. Hrs	Course	Cr. Hrs.
CSCE211 Digital Logic Design	3	EEC10306 Digital Logic Design	4
		EGI00203 Environmental Science	2
CSCE516 Computer Networks	3	EEC10401 Computer Networks	3
ECON421 Engineering Economics	3	EME10402 Engineering Economics and Industrial Management	3
ELCT 222 Signals and Systems	3	EEC10315 Signals and Systems	3
ELCT 302 Real-Time Systems Laboratory	3	EEC10309 Embedded Systems	3
ELCT102 Electrical Science	3	EGI00102 DC Circuits	3
ELCT201 Introductory Elect. Engr. Lab.	3	EEC10311 Measurements and Instrumentation	4
ELCT221 Circuits	3	EEC10201 AC Circuit Analysis	3
ELCT321 Digital Signal Processing	3	Technical Elective I: Digital Signal Processing	3
ELCT331 Control Systems	3	EME10401 Control Systems	3
ELCT332 Fundamentals of Communication System	3	EEC10302 Communication Theory and Systems	4
ELCT371 Electronics	3	EEC10202 Analog Electronics	3
EMCH220 Introduction to Mechanical Engineering	3	EGI00202 Engineering Mechanics	3
		EEC10205 Integrated Project I	1
MATH241 Vector Calculus	3	EMS00202 Linear Algebra and Vector Calculus	3
MATH242 Elementary Differential Equations	3	EMS00201 Differential Equations	4
PHYS212 Essentials of Physics II	3	EBS00203 Physics II	3

Mechanical Engineering

USC		NU	
Course	Cr. Hrs	Course	Cr. Hrs.
ENGL101 Critical Reading & Composition (Carolina Core CMW)	3	UEL00101 University English I	3

MATH141 Calculus I (Carolina Core ARP)	4	EMS00101 Calculus I	4
CHEM 111 & CHEM 111L – General Chemistry I	4	EBS00101 General Chemistry for Engineering	4
HIST104 Int to the Civilization of the Islamic Middle East (Carolina Core GHS)	3	UHS00102 Oman History and Islamic Culture	3
ENGL102 Rhetoric & Composition (Carolina Core CMW)	3	UEL00102 University English II	3
MATH142 Calculus II (Carolina Core ARP)	4	EMS00102 Calculus II	4
PHYS202 General Physics II (Carolina Core SCI)	3	EBS00203 Physics II	3
PHIL322 Environmental Ethics (Carolina Core VSR)	3	EGI00203 Environmental Science	2
STAT509 Statistics for Engineers (Carolina Core INF)	3	EMS00301 Probability and Statistics	3

USC		NU	
Course	Cr. Hrs	Course	Cr. Hrs.
ECON421 Engineering Economics	3	EME10402 Engineering Economics & Industrial Management	3
ELCT101 Electrical & Electronics Eng	3	EGI00101 Basic Elec Engineering	2
EMCH111 Int. to Eng Graphics and Visualisation	3	EGI00103 Engineering Drawing	2
EMCH200 Statics	3	EGI00202 Engineering Mechanics	3
EMCH260 Introduction to the Mechanics of Solids	3	EME10311 Mechanics of Solids	3
EMCH290 Thermodynamics Fundamentals	3	EME10203 Engineering Thermodynamics	3
EMCH327 Design of Mechanical Elements	3	EME10307 Machine Design	3
EMCH332 Kinematics and Dynamics of Machines	3	EME10305 Dynamics of Machinery	3
EMCH354 Heat Transfer	3	EME10403 Heat Transfer	3
EMCH360 Fluid Mechanics	3	ECE10310 Fluid Mechanics	3
EMCH368 Mechatronics	4	EME10312 Mechatronics	3
EMCH371 Material Science	3	EGI00204 Material Science	3
EMCH394 Thermodynamics System Design and Analysis	3	EME10316 Thermal Engineering Systems	3
EMCH427 Mechanical Design I	3	ECP00401 Capstone Project I	3
EMCH428 Mechanical Design II	3	ECP00402 Capstone Project II	3
EMCH516 Control Theory in Mechanical Engineering	3	EME10401 Control Systems	3
MATH241 Vector Calculus	3	EMS00202 Linear Algebra and Vector Calculus	3
MATH242 Elementary Differential Equations	3	EMS00201 Differential Equations	4
PHYS212L Essentials of Physics II Lab	1	EBS00204 Physics Laboratory	1

