Important Notes

- If you are reading this, your institution does NOT participate in our online submission service. That means you will provide your submission package to your graduate school or other designated office, and they will deliver it on to us.
- Your university and/or library may have specific policies regarding dissemination of, and access to your dissertation. You should understand your institution’s policies clearly before you complete the ProQuest forms and submit your dissertation.
- You own and retain copyright to your dissertation. ProQuest only acquires a non-exclusive right to distribute your work according to options you choose.
- Most universities hold all submitted dissertations and theses until the end of the semester or quarter, then deliver them to us all at once. Once your manuscript actually arrives at ProQuest, another 6 to 10 weeks are required for processing.
- You can increase the chances of a speedy publishing process by following all instructions, guidelines, and requirements precisely. Use the Submission Checklist. And if you have any questions, call our Author Relations Team at (800) 521-0600 ext. 7-7020.

ProQuest Publishing Agreement

Read and understand the ProQuest Publishing Agreement. This agreement grants ProQuest the right to reproduce and disseminate your work according to the choices you make. This is a non-exclusive right; you may grant others the right to use your dissertation or thesis as well. You retain your copyright.

Choose your publishing option, Open Access Publishing PLUS or Traditional Publishing.

Select any necessary embargoes and restrictions. Note: your institution may have explicit policies regarding embargoes and restrictions, dissemination and access. Check with your graduate school or its equivalent to be sure you comply with institutional policies.

Sign the ProQuest Publishing Agreement. Publication of your work may be delayed or impossible if your signature is missing.

Submission Form

Personal information

We require a limited amount of personal information to process your submission and provide records to your institution. Provide your name exactly as it appears on the title page of your manuscript. We request your Country of Citizenship because libraries and researchers are often interested in searching for all dissertations published by authors of a given nation or region. We use your personal information solely for publishing and dissemination purposes, and do not sell or supply your personal information to any third party.

Degree & Dissertation or Thesis Information

We use this information to create the bibliographic data that establishes your dissertation or thesis in the primary literature. It is important that this information is accurate and corresponds precisely with the information in your manuscript. Discrepancies between the data you provide in this form and your manuscript can delay publication of your work and/or make it difficult for other researchers to discover your work. Please use full and official names when completing the information about your institution and your advisor and committee members.

Title

In databases and indices, your title will appear in sentence case regardless of the conventions of your discipline; e.g., “The long and short of it: a sample title.” Whenever possible, use full proper names of people, organisms, places, etc. For example: “Samuel Clemens” not “S. Clemens”; Hyla arenicolor, not H. arenicolor. Try to spell out abbreviations for specialized vocabulary; e.g., “Triassic” rather than “Tr.” Use word substitutes for formulas, symbols, superscripts, subscripts, Greek characters, etc. For example, use “potassium”, not “K”; “first”, not “1st”; “delta”, not “Δ”. Be sure to include all appropriate accents and diacritical marks.

Subject Categories

The first (primary) subject category that you enter is the one under which your dissertation or thesis will occur in our citation and abstract indices. Using Guide 2: ProQuest Subject Categories (attached), choose the category that most closely corresponds with the field in which you did your graduate research. You may add one or two more secondary subject categories; these will be associated with your work and may increase its exposure to search engines.

Keywords

Adding good keywords is another way to increase the chances that your work will be discovered. For example, geographic locations or specialized terms that do not occur in your title or abstract can increase exposure of your work.

Contact Information

Provide a future mailing address and telephone numbers. If there is an issue with your submission and we are not able to reach you, release of your dissertation or thesis and production of any print copies you order will be substantially delayed. Provide a permanent email address (e.g. a hotmail-type web mail address).

Additional Materials

Required

Any necessary co-authorship and/or copyright permissions. If you share authorship with anyone else for any part of your dissertation or thesis, you need to acquire his or her permission to include that content. If any content in your manuscript, including appendices, is already under another copyright, you need to acquire permission from the copyright holder to use that content. All such permissions must accompany your submission. Go online for more information.
and a sample permission letter.
http://www.proquest.com/products_umi/dissertations/submitted_authors.shtml. ProQuest may elect not to distribute your dissertation or theses if, in its reasonable judgment, it believes all necessary rights of third parties have not been secured.

Completed Submission Package
All materials should be packaged together and delivered to the appropriate office on your campus. A complete submission package includes:

- Signed ProQuest Publishing Agreement
- COMPLETED Submission Form
- 1 extra copy of your Title Page, identical to the one in your manuscript
- 1 extra copy of your Abstract, identical to the one in your manuscript
- Your complete manuscript
- Any payments you will make directly to ProQuest LLC (either a certified check valid in U.S. dollars or postal money order valid in U.S. dollars)
- Any permission letters necessary to use material under another copyright in your manuscript
- Copyright Registration Form, if you want us to register your copyright
- Copy Order Form, if you want personal bound copies
- Any supplementary multimedia material on CD/DVD

Checklist

☐ Have you indicated your choice of Open Access Publishing PLUS or Traditional Publishing?
☐ Have you indicated any necessary embargoes or restrictions?
☐ Have you signed the ProQuest Publishing Agreement in the space provided?
☐ Have you indicated the type of manuscript that you are submitting (Master’s Thesis or Doctoral Dissertation)?
☐ Have you enclosed any payments that you will make directly to the ProQuest LLC for the publishing fee and/or copyright registration? Please ensure that whatever form of payment you use will not expire in the 6 months following your submission.
☐ Have you provided a permanent or future email address where we can reach you if there are any problems processing your submission?
☐ If you want personal copies, did you complete the order form?
☐ If you chose to have us register your copyright, have you completed the Copyright Registration Form?
☐ Is the title of your dissertation identical on the submission form, abstract, and title page of your manuscript?
☐ Have you included any permission letters necessary to use material under another copyright in your manuscript?
☐ Is your full name identical on the submission form, abstract, and title page of your manuscript? If not, we will use the name as it appears on your title page.
☐ Are the full names of your advisor/committee chair and committee members identical on the submission form and in your manuscript’s front pages?
☐ Have you indicated one or more subject categories that describe your disciplinary area?
☐ Have you provided keywords that will help search engines discover your research?
☐ Are all pages of your manuscript present and appropriately numbered? The most common problem with submissions is missing pages.
☐ If you are interested in copies of your dissertation for personal use, have you provided payment in the form a credit/debit card (number, expiration date, and signature) or certified check or postal money order? Please ensure that whatever form of payment you use will not expire in the 6 months following your submission.

Questions?
http://www.proquest.com/products_umi/dissertations
See our website for answers to many questions, and for information about why most universities and colleges in North America require their graduates to submit their dissertations and theses to ProQuest. In the “Authors” section of the website, topical information includes links to the following Guides:

- Preparing Your Manuscript
- ProQuest Subject Categories
- Open Access versus Traditional Publishing
- Embargoes & Restrictions
- Copyright Guide

Our Author Relations Team is available by phone at (800) 521-0600 ext.7-7020 or by email at disspub@proquest.com Need help selecting a subject heading? Contact our editors at (800)-521-0600 ext. 7-4883 (Social Sciences/Humanities) or ext. 7-2209 (Sciences/Engineering)
This Agreement is between the author (Author) and ProQuest LLC, through its ProQuest Dissertation Publishing business (formerly ProQuest/UMI). Under this Agreement, Author grants ProQuest certain rights to preserve, archive and publish the dissertation or thesis, abstract, and index terms (the Work) provided by Author to ProQuest.

Section I. License for Inclusion of the Work in ProQuest Publishing Program

Grant of Rights. Author hereby grants to ProQuest the non-exclusive, worldwide right to reproduce, distribute, display and transmit the Work (in whole or in part) in such tangible and electronic formats as may be in existence now or developed in the future. Author further grants to ProQuest the right to include the abstract, bibliography and other metadata in the ProQuest Dissertations & Theses database (PQDT) and in ProQuest Dissertation Abstracts International and any successor or related index and/or finding products or services.

ProQuest Publishing Program - Election and Elements. The rights granted above shall be exercised according to the publishing option selected by Author in Section III, Author Options, and subject to the following additional Publishing Program requirements:

- Redistribution of the Work. Except as restricted by Author in the publishing option selected, the rights granted by Author automatically include (1) the right to allow sale and distribution of the Work, in whole or in part, by agents and distributors, including but not limited to commercial retail outlets and (2) the right to make the Abstract, bibliographic data and any metadata associated with the Work available to search engines and harvesters.

- Restrictions. ProQuest will use commercially reasonable efforts to restrict the distribution of the Work as provided under the publishing option selected by Author or as later elected by Author through direct contact with ProQuest. Such election is subject to Author’s Degree Granting Institution Directives (see below). With respect to restrictions requested after submission of the Work, Author acknowledges that ProQuest cannot recall or amend previously distributed versions of the Work.

- Removal of Work from the Program. ProQuest may elect not to distribute the Work if it believes that all necessary rights of third parties have not been secured. Refer to the website http://www.proquest.com/products_umi/dissertations/ for information about copyright and your dissertation or thesis. If Author’s degree is rescinded, and the degree-granting institution so directs, ProQuest will expunge the Work from its publishing program in accordance with its then current publishing policies.

- Degree Granting Institution Directives. Author is solely responsible for any conflict between policies and directions of Author’s degree-granting institution, Author’s choice of publishing model, and/or any restriction Author places on the use of the Work. For the avoidance of doubt, ProQuest is not responsible for access to the Work that is provided by Author’s degree-granting institution through its library or institutional repository. Author must work directly with Author’s degree granting institution to ensure application of any restrictions to access relating to the Work by Author’s degree granting institution.

Copyright and Deposit with the Library of Congress. At Author’s option and upon payment of the applicable fee, ProQuest will submit an application for registration of Author’s copyright in the Work in Author’s name. In addition, regardless of whether copyright registration of the Work is sought, ProQuest may make a copy of the Work available to the Library of Congress in digital, microform or other format as required by the Library of Congress.

Publishing Fees and Royalties. Author shall remit the publishing fees and the optional copyright registration fees as appropriate for the publishing option chosen by Author, and as specified by Author’s degree-granting institution. Except as provided under the Traditional Publishing option, no royalties shall be due from ProQuest to Author.

Delivery of the Work. Author shall provide to ProQuest the Work and all necessary supporting documents during the online submission process, according to the Instructions accompanying this agreement.

Rights Verification. Author represents and warrants that Author is the copyright holder of the Work and has obtained all necessary rights to permit ProQuest to reproduce and distribute third party materials contained in any part of the Work, including all necessary licenses for any non-public, third party software necessary to access, display, and run or print the Work. Author is solely responsible and will indemnify ProQuest for any third party claims related to the Work as submitted for publication.

Section II-A. Rights pursuant to Traditional Publishing

Author’s election of Traditional as the Type of Publishing confirms Author’s choice to have ProQuest publish the Work according to the Traditional Publishing option described below.

Traditional Publishing. ProQuest may exercise the rights granted under Section I above including through the sale of individual copies of the Work in tangible or electronic media and/or as part of electronic database and reference products or services.

Publishing Fees and Royalties. Author’s payment of the dissertation or thesis publishing fee is a one-time, up-front fee. Author’s institution may assess additional fees to be collected along with the publishing fee. ProQuest will pay royalties of 10% of its net revenue from sales of the Work, conditioned on Author maintaining a current address on record with ProQuest. Royalties will be paid when accrued earned royalties reach $25.00. If, after 25 years, earned royalties do not accrue to at least $25.00, ProQuest’s royalty payment obligation will cease.
Section II-B. Rights pursuant to Open Access Publishing

Author’s election of Open Access as the Type of Publishing confirms Author’s choice to have ProQuest publish the Work according to the Open Access Publishing option described here.

Open Access Publishing. In addition to the rights granted under Section I of this ProQuest Publishing Agreement, ProQuest may reproduce, distribute, display and transmit the Work in electronic format in the ProQuest Dissertations & Theses database, where it may be made available for free download. A subset of the ProQuest Dissertations & Theses database, currently known as PQDT Open, may be accessed by the academic community as well as through major search engines and open access harvesters.

ProQuest may also provide an electronic copy of the Work to Author’s degree-granting institution where it may also be posted for free open access. Learn more: http://www.proquest.com/en-US/products/dissertations/eopd.shtml

Copy Sales. ProQuest and its agents and distributors may offer copies of the Work for sale in tangible media, including but not limited to microform, print and CD-ROM, as well as in electronic format either individually or as part of its electronic database and reference products and services. No royalties shall be due to Author.

Publishing Fees. Author’s payment of the additional Open Access Publishing PLUS fee is a one-time, up-front fee in addition to the ProQuest dissertation or thesis publishing fee. Author’s institution may assess additional fees to be collected along with the Open Access and publishing fees.

Section III. Publishing Options & Signature

Select the publishing options below that best fit your interests and scholarly publishing obligations.

Traditional Publishing

- I want to make my work widely available and I want to be eligible to receive royalties on the sale of my work.
  - I understand that I must maintain a current mailing address with ProQuest in order to be eligible to receive royalties.
  - I understand that the ProQuest fee for Traditional Publishing is $25 for Master’s thesis and $25 for Doctoral dissertations.
  - I understand that my graduate institution may pay all or a portion of the total fee as well as may require additional fees in association with my submission to ProQuest.

Open Access Publishing PLUS

- I want the broadest possible dissemination of my work, and I want to provide free global access to the electronic copy of my work via the internet.
  - I understand that I will not be eligible to receive royalties.
  - I understand that the ProQuest fee for Open Access Publishing PLUS is $120 for Master’s thesis and $120 for Dissertations, and that my graduate institution may pay all or a portion of the total fee as well as may require additional fees in association with my submission to ProQuest.

SELECT PUBLISHING OPTIONS

I want my work to be available as soon as it is published

- Yes
- No – I would like access to the full text of my work to be delayed for the following period of time:
  - 6 month embargo
  - 1 year embargo
  - 2 year embargo

Note: Most institutions have delayed release (embargo) policies, please consult with your Graduate School/Program, if you need to delay the release of your work. Access to the full-text of your work will be delayed for the time period specified above, beginning from the date that we receive your manuscript at ProQuest. During this time, only your citation and abstract will appear in the ProQuest Dissertations & Theses Database (PQDT).

I want major search engines (e.g. Google, Yahoo) to discover my work. Learn more: http://www.proquest.com/en-US/products/dissertations/google.shtml

- Yes
- No

Acknowledgment: I have read, understand and agree to this ProQuest Publishing Agreement, including all rights and restrictions included within the publishing option chosen by me as indicated above.

REQUIRED Author’s signature ____________________________ Date 8/14/14

(Print Name) Jaewook Chung

Institution conferring degree ____________________________ Rice University

This page must accompany your manuscript and the rest of the submission materials.
The power distribution between allies, alliance politics and alliance duration

Chung
Jaewook

Degree & Dissertation Information

Title of Dissertation/Thesis
The power distribution between allies, alliance politics and alliance duration

Institution conferring degree
Rice University

Degree awarded
Ph.D

Year degree awarded
2014

College, School, or Division
School of Social Sciences

Year manuscript completed
2014

Department or Program
Political Science

Advisor/Committee Chair
Brett Ashley Leeds

Committee Member
T. Clifton Morgan

Committee Member
Richard J. Stoll

Committee Member
Steven W. Lewis

Degree & Dissertation Information

Language of manuscript
English

Primary Subject Category: Enter the 4-digit code and category name from Guide 2 that most closely describes the disciplinary area of your research.

0601 International Relations

You may suggest two additional subject categories that may aid in the discovery of your work in our digital database.

0615 Political Science
0563 Peace Studies

Provide up to 6 keywords or short phrases for citation indices, library cataloging, and database searching.

Military Alliances
Minor powers
Alliance duration

Alliance Politics
Autonomy

Current Contact Information

Current Email Address
jwchungir@gmail.com

Street Address (line 1)
5401 Rampart St. APT 590

City
Houston

State/Province
TX

Country
USA

Daytime Phone
4802086814

Alternate Phone

Future Phone

Permanent Contact Information

Permanent Email Address
jwchungir@gmail.com

Street Address (line 1)
15-35 Jingwan 3-ro, APT 1008-902, Eunpyeong-gu

City
Seoul

State/Province

Country
Korea

Postal Code
77081

Future Phone

THIS PAGE MUST ACCOMPANY YOUR MANUSCRIPT AND THE REST OF YOUR SUBMISSION MATERIALS

Attach additional, separate copies of your Title Page and Abstract to this form
Guide 2: Subject Categories
The ProQuest Dissertations & Theses (PQDT) database and the ProQuest citation indices are arranged by subject categories. Please select the one category below that best describes your field of research or creative work. You may add one or two additional categories on your submission form that will also be associated with your work as secondary subjects.

**Arts, Business, Education, Humanities, and Social Sciences**

**AREA, ETHNIC, AND GENDER STUDIES**
- African American studies 0296
- African studies 0293
- American studies 0323
- Asian American studies 0343
- Asian studies 0342
- Baltic studies 0361
- Black studies 0325
- Canadian studies 0385
- Caribbean studies 0432
- Classical studies 0434
- East European studies 0437
- Ethnic studies 0631
- European studies 0440
- French Canadian culture 0482
- Gender studies 0733
- GLBT studies 0492
- Hispanic American studies 0737
- Holocaust studies 0507
- Islamic culture 0512
- Judaic studies 0751
- Latin American studies 0550
- Middle Eastern studies 0555
- Native American studies 0740
- Near Eastern studies 0559
- North African studies 0560
- Pacific Rim studies 0561
- Regional studies 0604
- Scandinavian studies 0613
- Slavic studies 0614
- South African studies 0654
- South Asian studies 0638
- Sub Saharan Africa studies 0639
- Women's studies 0453

**BUSINESS**
- Accounting 0272
- Arts management 0424
- Banking 0770
- Business 0310
- Entrepreneurship 0429
- Finance 0508
- Management 0454
- Marketing 0338
- Sports management 0430

**COMMUNICATIONS AND INFORMATION SCIENCES**
- Communication 0459
- Information science 0723
- Journalism 0391
- Library science 0399
- Mass communication 0708
- Technical communication 0643
- Web studies 0646

**FINE AND PERFORMING ARTS**
- Art criticism 0365
- Art history 0377
- Cinematography 0435
- Dance 0378
- Design 0389
- Film studies 0900
- Fine arts 0357
- Music 0413
- Performing arts 0641
- Theater 0465
- Theater history 0644

**EDUCATION**
- Adult education 0516
- Art education 0273
- Bilingual education 0282
- Business education 0688
- Community college education 0275
- Continuing education 0651
- Curriculum development 0727
- Early childhood education 0518
- Education 0515
- Education finance 0277
- Education policy 0458
- Educational administration 0514
- Educational evaluation 0443
- Educational leadership 0449
- Educational psychology 0525
- Educational technology 0710
- Educational tests & measurements 0288
- Elementary education 0524
- English as a second language 0441
- Foreign language instruction 0444
- Gifted education 0445
- Health education 0680
- Higher education 0745
- Higher education administration 0446
- History of education 0520
- Home economics education 0278
- Industrial arts education 0521
- Instructional design 0447
- Language arts 0279
- Mathematics education 0280
- Middle school education 0450
- Multicultural education 0455
- Music education 0522
- Pedagogy 0456
- Performing arts education 0457
- Philosophy of education 0998
- Physical education 0523
- Reading instruction 0535
- Religious education 0527
- School counseling 0519
- Science education 0714
- Secondary education 0533
- Social sciences education 0534
- Sociology of education 0340
- Special education 0529
- Teacher education 0530
- Vocational education 0747
## HUMANITIES

### HISTORY
- African history 0331
- American history 0337
- Ancient history 0579
- Asian history 0332
- Black history 0328
- Canadian history 0334
- European history 0335
- History 0578
- History of Oceania 0504
- History of science 0585
- Latin American history 0336
- Medieval history 0581
- Middle Eastern history 0333
- Military history 0772
- Modern history 0582
- Russian history 0724
- World history 0506

### LANGUAGE & LITERATURE
- African literature 0316
- American literature 0591
- Ancient languages 0289
- Asian literature 0305
- British and Irish literature 0393
- Canadian literature 0352
- Caribbean literature 0360
- Classical literature 0294
- Comparative literature 0295
- English literature 0593
- French Canadian literature 0355
- Germanic literature 0311
- Icelandic & Scandinavian literature 0362
- Language 0679
- Latin American literature 0312
- Linguistics 0290
- Literature 0401
- Literature of Oceania 0356
- Medieval literature 0297
- Middle Eastern literature 0315
- Modern language 0291
- Modern literature 0298
- Rhetoric 0681
- Romance literature 0313
- Slavic literature 0314

### PHILOSOPHY AND RELIGION
- Aesthetics 0650
- Biblical studies 0321
- Canon law 0375
- Clerical studies 0319
- Comparative religion 0618
- Divinity 0376
- Epistemology 0393
- Ethics 0394
- Logic 0395
- Metaphysics 0396
- Pastoral counseling 0397
- Philosophy 0422
- Philosophy of Religion 0322
- Philosophy of science 0402
- Religion 0318
- Religious history 0320
- Spirituality 0647
- Theology 0469

### LAW AND LEGAL STUDIES
- Alternative dispute resolution 0649
- Intellectual property 0513
- International law 0616
- Law 0398
- Patent law 0562

### SOCIAL SCIENCES
- Archaeology 0324
- Area planning and development 0341
- Criminology 0627
- Cultural anthropology 0326
- Demography 0938
- Economic history 0509
- Economic theory 0511
- Economics 0501
- Economics, Commerce-Business 0505
- Economics, Labor 0510
- Folklore 0358
- Forensic anthropology 0339
- Geography 0366
- Individual & family studies 0628
- International relations 0601
- Labor relations 0629
- Military studies 0750
- Organization theory 0635
- Organizational behavior 0703
- Peace studies 0563
- Physical anthropology 0327
- Political Science 0615
- Public administration 0617
- Public policy 0630
- Recreation and tourism 0814
- Social research 0344
- Social structure 0700
- Social work 0452
- Sociolinguistics 0636
- Sociology 0626
- Transportation planning 0709
- Urban planning 0999

### INTERDISCIPLINARY
- Alternative energy 0363
- Biographies 0304
- Climate change 0404
- Cultural resources management 0436
- Energy 0791
- Food science 0359
- Home economics 0386
- Information technology 0489
- Multimedia 0558
- Museum studies 0730
- Sustainability 0640
- Textile research 0994
- Wood sciences 0746
Behavioral, Natural, and Physical Sciences

**AGRICULTURE**
- Agriculture 0473
- Agronomy 0285
- Animal diseases 0476
- Animal sciences 0475
- Fisheries and aquatic sciences 0792
- Forestry 0478
- Horticulture 0471
- Plant pathology 0480
- Plant sciences 0479
- Range management 0777
- Soil sciences 0481
- Urban forestry 0281
- Wildlife management 0286

**ARCHITECTURE**
- Architecture 0729
- Architectural engineering 0462
- Landscape architecture 0390

**BEHAVIORAL SCIENCES**
- Animal behavior 0602
- Behavioral sciences 0384
- Clinical psychology 0622
- Cognitive psychology 0633
- Counseling psychology 0603
- Developmental psychology 0620
- Experimental psychology 0623
- Occupational psychology 0624
- Personality psychology 0625
- Physiological psychology 0989
- Psychobiology 0349
- Psychology 0621
- Quantitative psychology and psychometrics 0632
- Social psychology 0451

**BIOLOGICAL SCIENCES**
- Biochemistry 0487
- Bioinformatics 0715
- Biology 0306
- Biomechanics 0648
- Biophysics 0786
- Biostatistics 0308
- Cellular biology 0379
- Developmental biology 0758
- Endocrinology 0409
- Entomology 0353
- Evolution & development 0412
- Genetics 0369
- Histology 0414
- Limnology 0793
- Microbiology 0410
- Molecular biology 0307
- Morphology 0287
- Neurosciences 0317
- Parasitology 0718
- Physiology 0719
- Plant biology 0309
- Systematic biology 0423
- Virology 0720
- Zoology 0472

**ECOSYSTEM SCIENCES**
- Ecology 0329
- Macroeology 0420
- Paleocology 0426

**ENGINEERING**
- Aerospace engineering 0538
- Artificial intelligence 0800
- Automotive engineering 0540
- Biomedical engineering 0541
- Chemical engineering 0542
- Civil engineering 0543
- Computer engineering 0464
- Computer science 0984
- Electrical engineering 0544
- Engineering 0537
- Geological engineering 0466
- Geophysical engineering 0467
- Geotechnology 0428
- Industrial engineering 0546
- Mechanical engineering 0548
- Mining engineering 0551
- Naval engineering 0468
- Nanotechnology 0652
- Nuclear engineering 0552
- Ocean engineering 0547
- Operations research 0796
- Packaging 0549
- Petroleum engineering 0765
- Plastics 0795
- Robotics 0771
- System science 0790

**GEOSCIENCES**
- Aeronomy 0367
- Atmospheric chemistry 0371
- Atmospheric sciences 0725
- Biogeochemistry 0425
- Biological oceanography 0416
- Chemical oceanography 0403
- Continental dynamics 0406
- Geobiology 0483
- Geochemistry 0996
- Geographic information science and geodesy 0370
- Geology 0372
- Geomorphology 0484
- Geophysics 0373
- Hydrologic sciences 0388
- Marine geology 0556
- Meteorology 0557
- Mineralogy 0411
- Paleoclimate science 0653
- Paleontology 0418
- Petroleum geology 0583
- Petrology 0584
- Physical geography 0368
- Physical oceanography 0415
- Planetology 0590
- Plate tectonics 0592
- Remote sensing 0799
- Sedimentary geology 0594

**HEALTH AND MEDICAL SCIENCES**
- Aging 0493
- Alternative medicine 0496
- Audiology 0300
- Dentistry 0567
- Epidemiology 0766
- Gerontology 0351
- Health care management 0769
- Health sciences 0566
- Immunology 0982
- Kinesiology 0575
- Medical ethics 0497
- Medical imaging and radiology 0574
- Medicine 0564
- Mental health 0347
- Nursing 0569
- Nutrition 0570
- Obstetrics and gynecology 0380
- Occupational health 0354
- Occupational therapy 0498
- Oncology 0992
- Ophthamology 0381
- Osteopathic medicine 0499
- Pathology 0571
- Pharmaceutical sciences 0572
- Pharmacology 0419
- Physical therapy 0382
- Public health 0573
- Public health occupations education 0500
- Speech therapy 0460
- Surgery 0576
- Toxicology 0383
- Veterinary medicine 0778
MATHEMATICAL AND
PHYSICAL SCIENCES
Acoustics 0986
Analytical chemistry 0486
Applied mathematics 0364
Astronomy 0606
Astrophysics 0596
Atomic physics 0748
Chemistry 0485
Condensed matter physics 0611
Electromagnetics 0607
High temperature physics 0597
Inorganic chemistry 0488
Low temperature physics 0598
Materials science 0794
Mathematics 0405
Mechanics 0346
Molecular chemistry 0431
Molecular physics 0609
Nanoscience 0565
Nuclear chemistry 0738
Nuclear physics 0756
Optics 0752
Organic chemistry 0490
Particle physics 0798
Physical chemistry 0494
Physics 0605
Plasma physics 0759
Polymer chemistry 0495
Quantum physics 0599
Statistics 0463
Theoretical mathematics 0642
Theoretical physics 0753