FORMS & INSTRUCTIONS for FTP or CD submission of your Doctoral Dissertation or Master’s Thesis

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 to us.
- Your university 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. 77020.

ProQuest Publishing Agreement Quick Start

1. 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.
2. Choose your publishing option, Open Access Publishing Plus or Traditional Publishing.
3. 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.
4. 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, 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 work in the primary literature. It is important 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 make it difficult for other researchers to discover it. Please use full and official names when completing the information about your institution and your advisor and committee members.

Title Guidelines
- 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. For example: “Samuel Clemens” not “S. Clemens”; Hyla arenicolor, not H. arenicolor.

Keywords
Adding good keywords is another way to increase the chances your work will be discovered. For example, geographic locations or short of it: a sample title.

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 such as gmail.

Additional Materials

Required Permissions
Any necessary co-authorship or copyright permissions must be secured. If you share authorship with anyone else for any part of your dissertation or thesis, you need to acquire their 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/go/authorservices

Optional
Supplementary files on digital media. See the website to learn about including multimedia material: http://www.proquest.com/go/authorservices
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 in U.S. dollars or valid postal money order 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
- 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 us, 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 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.
☐ Have you enclosed a payment or provided a credit/debit card number, expiration date, and signature for copies of your dissertation/thesis for your personal use? Please ensure that whatever form of payment you use will not expire in the 6 months following your submission.

Questions?
http://www.proquest.com/go/dissertation

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 and Restrictions
- Copyright Guide

Our Customer Service Team is available by phone at (800) 521-0600 ext. 77020 or by email at disspub@proquest.com

Need help selecting a subject heading? Contact our editors at (800) 521-0600 ext. 74883 (Arts, Business, Education, Social Sciences, and Humanities) or ext. 74881 (Behavior, Natural and Physical Sciences, Mathematics)
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 (the Work), abstract, and index terms 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 (PQDT) database and in ProQuest Dissertation Abstacts 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, and (2) the right to make the Abstract, bibliographic data and any meta data 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/go/dissertation for information about copyright and your dissertation or thesis. If Author's degree is rescinded, and/or 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, 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 Plus

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 Plus. 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 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:

- **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 electronic format 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 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, 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.

- ☐ 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, 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.

- ☐ Yes
- ☐ No

Learn more: [http://www.proquest.com/go/dissertations-google](http://www.proquest.com/go/dissertations-google)

**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_____________________

(Print Name)__________________________________________________________________________

Institution conferring degree ___________________________________________________________

,*This page must accompany your manuscript and the rest of the submission materials.*
Dissertation/Master’s Thesis Submission Form

Please print clearly in block letters

Personal Information

Last Name ____________________________________________ Middle Name or Initial __________________________
First Name __________________________________________
Country(ies) of Citizenship ____________________________

Degree & Dissertation Information

Title of Dissertation/Thesis __________________________________________________________

Institution conferring degree __________________________________ Degree awarded (Ph.D., MA) _______
College, School, or Division __________________________________ Year degree awarded _______
Department or Program __________________________________ Year manuscript completed _______
Advisor/Committee Chair __________________________________________________________________

Committee Member __________________________________ Committee Member _________________
Committee Member __________________________________ Committee Member _________________
Committee Member __________________________________ Committee Member _________________

Language of manuscript __________________________________

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

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

Code____ Category____________________ Code____ Category____________________

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

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Current Contact Information

Current Email ________________________________________________________________
Street Address (line 1) __________________________________________________________________________
Street Address (line 2) __________________________________________________________________________
City ___________________ State/Province ___________ Daytime Phone _______________
Country ________________ Postal Code ___________ Evening Phone ________________

Permanent Contact Information

Permanent Email Address __________
Street Address (line 1) __________________________________________________________________________
Street Address (line 2) __________________________________________________________________________
City ___________________ State/Province ___________ Phone ________________
Country ________________ Postal/ZIP code ___________ Alternate 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
Copyright Registration Form—Optional

At ProQuest, we make copyright registration easy by submitting your application to the United States Office of Copyright on your behalf and providing you with the certificate from the Library of Congress. Registering your copyright via ProQuest is the fastest and most efficient method currently available.

How to Take Advantage of Our Copyright Service

Registering with the U.S. Office of Copyright establishes your claim to the copyright for your dissertation and provides certain protections if your copyright is violated. If you wish, ProQuest will act on your behalf as your agent with the United States Copyright Office and apply for copyright registration as part of the publishing process. We will prepare an application in your name, submit your application fee, deposit the required copy or copies of the manuscript, and mail you the completed certificate of registration from the Library of Congress.

To take advantage of this service, please complete the information requested below and return this page along with the rest of your submission documents.

☐ YES; I want ProQuest to handle the application for registration of my claim to copyright, and am providing the necessary information as follows:

The fee for this service is $55.00, including the filing fee set by the U.S. Copyright Office, and is subject to change.

I hereby request and authorize ProQuest to submit an application for registration of my copyright in the Work in my name. I will receive the registration confirmation directly from the U.S. Office of Copyright.

______________________________________________________________  ________________
Author’s signature           Date

(Indicate one):
I have NOT ☐ previously registered my published dissertation/thesis, or an earlier version of the manuscript with the U.S. Office of Copyright.

I HAVE ☐ previously registered my published dissertation/thesis, or an earlier version of the manuscript with the U.S. Office of Copyright. The previous registration was made by

That registration number is__________________________________________

Previous registration number

Institution conferring degree ______________________________________________________________________________________

PUBLISHING FEE AND COPYRIGHT REGISTRATION FEE must be paid by check or money order.

Check/Money Order payable to: ProQuest LLC
And mail to: Author/School Relations, ProQuest, PO Box 1346, Ann Arbor, MI 48106-1346

RETURN THIS PAGE WITH THE REST OF YOUR SUBMISSION MATERIALS IF YOU WANT PROQUEST TO FILE YOUR CLAIM TO COPYRIGHT.
Subject Categories 2016-2017 Academic Year

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**

<table>
<thead>
<tr>
<th>AREA, ETHNIC, AND GENDER STUDIES</th>
<th>BUSINESS</th>
<th>COMMUNICATIONS AND INFORMATION SCIENCES</th>
<th>FINE AND PERFORMING ARTS</th>
<th>EDUCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>African American studies</td>
<td>Accounting 0272</td>
<td>Communication 0459</td>
<td>Art criticism 0365</td>
<td>Adult education 0516</td>
</tr>
<tr>
<td>African studies</td>
<td>Arts management 0424</td>
<td>Information science 0723</td>
<td>Art history 0377</td>
<td>Art education 0273</td>
</tr>
<tr>
<td>American studies</td>
<td>Banking 0770</td>
<td>Journalism 0391</td>
<td>Cinematography 0435</td>
<td>Bilingual education 0282</td>
</tr>
<tr>
<td>Asian American studies</td>
<td>Business administration 0310</td>
<td>Library science 0399</td>
<td>Dance 0378</td>
<td>Business education 0530</td>
</tr>
<tr>
<td>Asian studies</td>
<td>Entrepreneurship 0429</td>
<td>Mass communication 0708</td>
<td>Design 0389</td>
<td>Community college education 0275</td>
</tr>
<tr>
<td>Baltic studies</td>
<td>Finance 0508</td>
<td>Technical communication 0643</td>
<td>Fashion 0200</td>
<td>Continuing education 0651</td>
</tr>
<tr>
<td>Black studies</td>
<td>Management 0454</td>
<td>Web studies 0646</td>
<td>Film studies 0900</td>
<td>Curriculum development 0727</td>
</tr>
<tr>
<td>Canadian studies</td>
<td>Marketing 0338</td>
<td></td>
<td>Fine arts 0357</td>
<td>Early childhood education 0518</td>
</tr>
<tr>
<td>Caribbean studies</td>
<td>Sports management 0430</td>
<td></td>
<td>Music 0413</td>
<td>Education 0515</td>
</tr>
<tr>
<td>Classical studies</td>
<td></td>
<td>Musical performances 0943</td>
<td>Musical performances 0943</td>
<td>Education finance 0277</td>
</tr>
<tr>
<td>East European studies</td>
<td></td>
<td>Performing arts 0641</td>
<td>Performing arts 0641</td>
<td>Education history 0520</td>
</tr>
<tr>
<td>Ethnic studies</td>
<td></td>
<td>Theater 0465</td>
<td>Theater 0465</td>
<td>Education policy 0458</td>
</tr>
<tr>
<td>European studies</td>
<td></td>
<td>Theater history 0644</td>
<td>Theater history 0644</td>
<td>Educational administration 0514</td>
</tr>
<tr>
<td>French Canadian culture</td>
<td></td>
<td></td>
<td></td>
<td>Educational evaluation 0443</td>
</tr>
<tr>
<td>Gender studies</td>
<td></td>
<td></td>
<td></td>
<td>Educational leadership 0449</td>
</tr>
<tr>
<td>LGBTQ studies</td>
<td></td>
<td></td>
<td></td>
<td>Educational philosophy 0998</td>
</tr>
<tr>
<td>Hispanic American studies</td>
<td></td>
<td></td>
<td></td>
<td>Educational psychology 0525</td>
</tr>
<tr>
<td>Holocaust studies</td>
<td></td>
<td></td>
<td></td>
<td>Educational sociology 0340</td>
</tr>
<tr>
<td>Islamic studies</td>
<td></td>
<td></td>
<td></td>
<td>Educational technology 0710</td>
</tr>
<tr>
<td>Judaic studies</td>
<td></td>
<td></td>
<td></td>
<td>Educational tests &amp; measurements 0288</td>
</tr>
<tr>
<td>Latin American studies</td>
<td></td>
<td></td>
<td></td>
<td>Elementary education 0524</td>
</tr>
<tr>
<td>Middle Eastern studies</td>
<td></td>
<td></td>
<td></td>
<td>English as a second language 0441</td>
</tr>
<tr>
<td>Native American studies</td>
<td></td>
<td></td>
<td></td>
<td>Foreign language education 0444</td>
</tr>
<tr>
<td>Near Eastern studies</td>
<td></td>
<td></td>
<td></td>
<td>Gifted education 0445</td>
</tr>
<tr>
<td>North African studies</td>
<td></td>
<td></td>
<td></td>
<td>Health education 0680</td>
</tr>
<tr>
<td>Pacific Rim studies</td>
<td></td>
<td></td>
<td></td>
<td>Higher education 0745</td>
</tr>
<tr>
<td>Regional studies</td>
<td></td>
<td></td>
<td></td>
<td>Higher education administration 0446</td>
</tr>
<tr>
<td>Scandinavian studies</td>
<td></td>
<td></td>
<td></td>
<td>Home economics education 0278</td>
</tr>
<tr>
<td>Slavic studies</td>
<td></td>
<td></td>
<td></td>
<td>Industrial arts education 0521</td>
</tr>
<tr>
<td>South African studies</td>
<td></td>
<td></td>
<td></td>
<td>Instructional design 0447</td>
</tr>
<tr>
<td>Sub Saharan Africa studies</td>
<td></td>
<td></td>
<td></td>
<td>Language arts 0279</td>
</tr>
<tr>
<td>Women’s studies</td>
<td></td>
<td></td>
<td></td>
<td>Mathematics education 0280</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Middle school education 0450</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Multicultural education 0455</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Music education 0522</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Pedagogy 0456</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Performing arts education 0457</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Physical education 0523</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Reading instruction 0535</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Religious education 0527</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>School counseling 0519</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Science education 0714</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Secondary education 0533</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Social sciences education 0534</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Special education 0529</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Teacher education 0530</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Vocational education 0747</td>
</tr>
</tbody>
</table>
## Behavioral, Natural, and Physical Sciences

### Agriculture
- Agriculture: 0473
- Agriculture economics: 0503
- Agriculture education: 0517
- Agriculture engineering: 0539
- Agronomy: 0285
- Animal diseases: 0476
- 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

### Behavioral Sciences
- Behavioral psychology: 0384
- Behavioral sciences: 0602
- 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: 0632
- Social psychology: 0451

### Biological Sciences
- Biochemistry: 0487
- Bioinformatics: 0715
- Biology: 0306
- Biomechanics: 0648
- Biophysics: 0786
- Biostatistics: 0308
- Botany: 0309
- 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
- Systematic biology: 0423
- Virology: 0720
- Zoology: 0472

### Ecosystem Sciences
- Ecology: 0329
- Macroeconomy: 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: 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

### Environmental Sciences
- Conservation biology: 0408
- Environmental economics: 0438
- Environmental education: 0442
- Environmental engineering: 0775
- Environmental geology: 0407
- Environmental health: 0470
- Environmental justice: 0619
- Environmental law: 0439
- Environmental management: 0474
- Environmental philosophy: 0392
- Environmental science: 0768
- Environmental studies: 0477
- Land use planning: 0536
- Natural resource management: 0528
- Water resources management: 0595
- Wildlife conservation: 0284

### 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: 0370
- Geology: 0372
- Geomorphology: 0484
- Geophysics: 0373
- Hydrologic sciences: 0388
- Marine geology: 0556
- Meteorology: 0557
- Mineralogy: 0411
- Paleoclimatic 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: 0574
- Medicine: 0564
- Mental health: 0347
- Nursing: 0569
- Nutrition: 0570
- Obstetrics: 0380
- Occupational safety: 0354
- Occupational therapy: 0498
- Oncology: 0992
- Ophthalmology: 0381
- Osteopathic medicine: 0499
- Pathology: 0571
- Pharmaceutical sciences: 0572
- Pharmacology: 0419
- Physical therapy: 0382
- Public health: 0573
- Public health education: 0500
- Speech therapy: 0460
- Surgery: 0576
- Toxicology: 0383
- Veterinary medicine: 0778
<table>
<thead>
<tr>
<th>Subject</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acoustics</td>
<td>0986</td>
</tr>
<tr>
<td>Analytical chemistry</td>
<td>0486</td>
</tr>
<tr>
<td>Applied mathematics</td>
<td>0364</td>
</tr>
<tr>
<td>Astronomy</td>
<td>0606</td>
</tr>
<tr>
<td>Astrophysics</td>
<td>0596</td>
</tr>
<tr>
<td>Atomic physics</td>
<td>0748</td>
</tr>
<tr>
<td>Chemistry</td>
<td>0485</td>
</tr>
<tr>
<td>Condensed matter physics</td>
<td>0611</td>
</tr>
<tr>
<td>Electromagnetics</td>
<td>0607</td>
</tr>
<tr>
<td>High energy physics</td>
<td>0798</td>
</tr>
<tr>
<td>High temperature physics</td>
<td>0597</td>
</tr>
<tr>
<td>Inorganic chemistry</td>
<td>0488</td>
</tr>
<tr>
<td>Low temperature physics</td>
<td>0598</td>
</tr>
<tr>
<td>Materials science</td>
<td>0794</td>
</tr>
<tr>
<td>Mathematics</td>
<td>0405</td>
</tr>
<tr>
<td>Mechanics</td>
<td>0346</td>
</tr>
<tr>
<td>Molecular chemistry</td>
<td>0431</td>
</tr>
<tr>
<td>Molecular physics</td>
<td>0609</td>
</tr>
<tr>
<td>Nanoscience</td>
<td>0565</td>
</tr>
<tr>
<td>Nuclear chemistry</td>
<td>0738</td>
</tr>
<tr>
<td>Nuclear physics and radiation</td>
<td>0756</td>
</tr>
<tr>
<td>Optics</td>
<td>0752</td>
</tr>
<tr>
<td>Organic chemistry</td>
<td>0490</td>
</tr>
<tr>
<td>Physical chemistry</td>
<td>0494</td>
</tr>
<tr>
<td>Physics</td>
<td>0605</td>
</tr>
<tr>
<td>Plasma physics</td>
<td>0759</td>
</tr>
<tr>
<td>Polymer chemistry</td>
<td>0495</td>
</tr>
<tr>
<td>Quantum physics</td>
<td>0599</td>
</tr>
<tr>
<td>Statistics</td>
<td>0463</td>
</tr>
<tr>
<td>Theoretical mathematics</td>
<td>0642</td>
</tr>
<tr>
<td>Theoretical physics</td>
<td>0753</td>
</tr>
</tbody>
</table>