# APPLICATION OF ISCED CODES IN the EGRACONS TOOL

Following the recommendations of UNESCO, the Egracons conversion tool will link degrees (both BA and MA) to ISCED codes and in this way create comparable student reference groups. The ISCED fields of Education and training are used by UNESCO /Eurostat/ OECD to classify degrees into disciplines. A new classification was agreed upon in 2013 by UNESCO and now replaces the old 1997 version. The ISCED-2013 F classification comprises about 80 fields of education (detailed level = four digits). The detailed fields (the third hierarchical level of the classification) are intended mainly for use at the tertiary level of education. If you want to code at a higher level, one or two digits ‘8’ are added. In this way 4 digits can be used at all times. Codes with ‘8’ in it are referred to as Interdisciplinary programmes. It is also possible to use a digit ‘9’ at the detailed level to indicate a discipline not covered by the other detailed codes with 4 digits (‘not elsewhere classified’) and even the digit ‘0’ if no further info is available (‘not further defined’). For more info see the ISCED [manual](http://egracons.eu/document/isced-code-manual)).

At the highest one-digit level the following 11 broad groups of fields of education are distinguished: 00 Generic Programmes and qualifications, 01. Education, 02. Humanities and arts, 03. Social sciences, journalism and information, 04. Business administration and law, 05. Natural Sciences, mathematics and statistics, 06. Information and Communication Technologies, 07. Engineeering, manufacturing and construction, 08. Agriculture, forestry and veterinary, 09. Health and welfare, and 10.Services. [Read more here](http://www.uis.unesco.org/Education/Pages/international-standard-classification-of-education.aspx).

The Egracons project aggregates (combines) the degree programmes (of the same cycle) that belong to the same ISCED study field code to make up one single reference group (discipline) as identified by a 4-digit code. The grading tables are therefore submitted per degree, but the degrees are combined automatically to ISCED discipline codes inside the tool. Each separate degree (diploma qualification) therefore has to be assigned a 4-digit code, but several degrees may share the same code. This makes it possible to search both by degree title and ISCED code. The choice of the codes is critical and in order to make the conversion simpler, it should be as uniformly applied as possible. Egracons suggests that all HEIs within the same country (or educational system of a region) use a uniform list for the whole country. This makes it possible to have a one-to-one correspondence between reference groups of different countries. Comparing grading tables based on individual degree programmes would not offer this correspondence, as they cannot be readily compared, may be statistically unstable and be too dependent on the grading behaviour of individual professors.

The requirement of providing 4-digit codes was incorporated in the grading table data templates available now at the EGRACONS website. All available codes can be accessed there as well  ([see list](http://egracons.eu/sites/default/files/Isced%202013%20fields%20of%20education%20code%20list.pdf)). The Grading Table Templates can be accessed at <http://egracons.eu/document/grading-table-instructions-and-template>. Make sure you use the latest version (June 2015). The templates offer the possibility of supplying the English translation of degree titles at the host university as well, as these are easier to understand by the people converting the grades at the home university.

Universities willing to submit their grading tables are now asked to use the templates available and send them to the project team at: Valere.Meus@UGent.be. If we recive them before the end of August 2015 we will include them in the first operational version of the tool to be presented at the [EAIE conference in Glasgow](http://www.eaie.org/home/conference/glasgow.html) in September 2015.

**ISCED Codes used by Egracons**

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| 0011 - Basic programmes and qualifications |
| 0021 - Literacy and numeracy |
| 0031 - Personal skills and development |
| 0100 - Education, not further defined |
| 0110 - Education, not further defined |
| 0111 - Education science |
| 0112 - Training for pre-school teachers |
| 0113 - Teacher training without subject specialisation |
| 0114 - Teacher training with subject specialisation |
| 0118 - Education, inter-disciplinary programmes |
| 0119 - Education, not elsewhere classified |
| 0188 - Education, inter-disciplinary programmes |
| 0200 - Arts and humanities, not further defined |
| 0210 - Arts, not further defined |
| 0211 - Audio-visual techniques and media production |
| 0212 - Fashion, interior and industrial design |
| 0213 - Fine arts |
| 0214 - Handicrafts |
| 0215 - Music and performing arts |
| 0218 - Arts, inter-disciplinary programmes |
| 0219 - Arts, not elsewhere classified |
| 0220 - Humanities (except languages), not further defined |
| 0221 - Religion and theology |
| 0222 - History and archaeology |
| 0223 - Philosophy and ethics |
| 0228 - Humanities (except languages), inter-disciplinary programmes |
| 0229 - Humanities (except languages), not elsewhere classified |
| 0230 - Languages, not further defined |
| 0231 - Language acquisition |
| 0232 - Literature and linguistics |
| 0238 - Languages, inter-disciplinary programmes |
| 0239 - Languages, not elsewhere classified |
| 0288 - Arts and humanities, inter-disciplinary programmes |
| 0300 - Social sciences, journalism and information, not further defined |
| 0310 - Social and behavioural sciences, not further defined |
| 0311 - Economics |
| 0312 - Political sciences and civics |
| 0313 - Psychology |
| 0314 - Sociology and cultural studies |
| 0318 - Social and behavioural sciences, inter-disciplinary programmes |
| 0319 - Social and behavioural sciences, not elsewhere classified |
| 0320 - Journalism and information, not further defined |
| 0321 - Journalism and reporting |
| 0322 - Library, information and archival studies |
| 0328 - Journalism and information, inter-disciplinary programmes |
| 0329 - Journalism and information, not elsewhere classified |
| 0388 - Social sciences, journalism and information, inter-disciplinary programmes |
| 0400 - Business, administration and law, not further defined |
| 0410 - Business and administration, not further defined |
| 0411 - Accounting and taxation |
| 0412 - Finance, banking and insurance |
| 0413 - Management and administration |
| 0414 - Marketing and advertising |
| 0415 - Secretarial and office work |
| 0416 - Wholesale and retail sales |
| 0417 - Work skills |
| 0418 - Business and administration, inter-disciplinary programmes |
| 0419 - Business and administration, not elsewhere classified |
| 0420 - Law, not further defined |
| 0421 - Law |
| 0428 - Law, inter-disciplinary programmes |
| 0429 - Law, not elsewhere classified |
| 0488 - Business, administration and law, inter-disciplinary programmes |
| 0500 - Natural sciences, mathematics and statistics, not further defined |
| 0510 - Biological and related sciences, not further defined |
| 0511 - Biology |
| 0512 - Biochemistry |
| 0518 - Biological and related sciences, inter-disciplinary programmes |
| 0519 - Biological and related sciences, not elsewhere classified |
| 0520 - Environment, not further defined |
| 0521 - Environmental sciences |
| 0522 - Natural environments and wildlife |
| 0528 - Environment, inter-disciplinary programmes |
| 0529 - Environment, not elsewhere classified |
| 0530 - Physical sciences, not further defined |
| 0531 - Chemistry |
| 0532 - Earth sciences |
| 0533 - Physics |
| 0538 - Physical sciences, inter-disciplinary programmes |
| 0539 - Physical sciences, not elsewhere classified |
| 0540 - Mathematics and statistics, not further defined |
| 0541 - Mathematics |
| 0542 - Statistics |
| 0548 - Mathematics and statistics, inter-disciplinary programmes |
| 0549 - Mathematics and statistics, not elsewhere classified |
| 0588 - Natural sciences, mathematics and statistics, inter-disciplinary programmes |
| 0600 - Information and Communication Technologies (ICTs), not further defined |
| 0610 - Information and Communication Technologies (ICTs), not further defined |
| 0611 - Computer use |
| 0612 - Database and network design and administration |
| 0613 - Software and applications development and analysis |
| 0618 - Information and Communication Technologies (ICTs), inter-disciplinary programmes |
| 0619 - Information and Communication Technologies (ICTs), not elsewhere classified |
| 0688 - Information and Communication Technologies (ICTs), inter-disciplinary programmes |
| 0700 - Engineering, manufacturing and construction, not further defined |
| 0710 - Engineering and engineering trades, not further defined |
| 0711 - Chemical engineering and processes |
| 0712 - Environmental protection technology |
| 0713 - Electricity and energy |
| 0714 - Electronics and automation |
| 0715 - Mechanics and metal trades |
| 0716 - Motor vehicles, ships and aircraft |
| 0718 - Engineering and engineering trades, inter-disciplinary programmes |
| 0719 - Engineering and engineering trades, not elsewhere classified |
| 0720 - Manufacturing and processing, not further defined |
| 0721 - Food processing |
| 0722 - Materials (glass, paper, plastic and wood) |
| 0723 - Textiles (clothes, footwear and leather) |
| 0724 - Mining and extraction |
| 0728 - Manufacturing and processing, inter-disciplinary programmes |
| 0729 - Manufacturing and processing, not elsewhere classified |
| 0730 - Architecture and construction, not further defined |
| 0731 - Architecture and town planning |
| 0732 - Building and civil engineering |
| 0738 - Architecture and construction, inter-disciplinary programmes |
| 0739 - Architecture and construction, not elsewhere classified |
| 0788 - Engineering, manufacturing and construction, inter-disciplinary programmes |
| 0800 - Agriculture, forestry, fisheries and veterinary, not further defined |
| 0810 - Agriculture, not further defined |
| 0811 - Crop and livestock production |
| 0812 - Horticulture |
| 0818 - Agriculture, inter-disciplinary programmes |
| 0819 - Agriculture, not elsewhere classified |
| 0820 - Forestry, not further defined |
| 0821 - Forestry |
| 0828 - Forestry, inter-disciplinary programmes |
| 0829 - Forestry, not elsewhere classified |
| 0830 - Fisheries, not further defined |
| 0831 - Fisheries |
| 0838 - Fisheries, inter-disciplinary programmes |
| 0839 - Fisheries, not elsewhere classified |
| 0840 - Veterinary, not further defined |
| 0841 - Veterinary |
| 0848 - Veterinary, inter-disciplinary programmes |
| 0849 - Veterinary, not elsewhere classified |
| 0888 - Agriculture, forestry, fisheries and veterinary, inter-disciplinary programmes |
| 0900 - Health and welfare, not further defined |
| 0910 - Health, not further defined |
| 0911 - Dental studies |
| 0912 - Medicine |
| 0913 - Nursing and midwifery |
| 0914 - Medical diagnostic and treatment technology |
| 0915 - Therapy and rehabilitation |
| 0916 - Pharmacy |
| 0917 - Traditional and complementary medicine and therapy |
| 0918 - Health, inter-disciplinary programmes |
| 0919 - Health, not elsewhere classified |
| 0920 - Welfare, not further defined |
| 0921 - Care of the elderly and of disabled adults |
| 0922 - Child care and youth services |
| 0923 - Social work and counselling |
| 0928 - Welfare, inter-disciplinary programmes |
| 0929 - Welfare, not elsewhere classified |
| 0988 - Health and welfare, inter-disciplinary programmes |
| 1000 - Services, not further defined |
| 1010 - Personal services, not further defined |
| 1011 - Domestic services |
| 1012 - Hair and beauty services |
| 1013 - Hotel, restaurants and catering |
| 1014 - Sports |
| 1015 - Travel, tourism and leisure |
| 1018 - Personal services, inter-disciplinary programmes |
| 1019 - Personal services, not elsewhere classified |
| 1020 - Hygiene and occupational health services, not further defined |
| 1021 - Community sanitation |
| 1022 - Occupational health and safety |
| 1028 - Hygiene and occupational health services, inter-disciplinary programmes |
| 1029 - Hygiene and occupational health services, not elsewhere classified |
| 1030 - Security services, not further defined |
| 1031 - Military and defence |
| 1032 - Protection of persons and property |
| 1038 - Security services, inter-disciplinary programmes |
| 1039 - Security services, not elsewhere classified |
| 1040 - Transport services, not further defined |
| 1041 - Transport services |
| 1048 - Transport services, inter-disciplinary programmes |
| 1049 - Transport services, not elsewhere classified |
| 1088 - Services, inter-disciplinary programmes9999 - Field of Study unknown - Not elsewhere Classified (Used to group a large number of degrees that you do not want to specify further in terms of field of study) |