

## Study programmes 2020-2021

Agricultural Biotechnology (Plant and Animal)  
Agricultural Biotechnology (Plant)  
Agricultural Engineering  
Agricultural Engineering  
Agricultural Environmental Management Engineering  
Agricultural Water Management Engineering  
American Studies  
Animal Husbandry Engineering  
Animal Nutrition and Feed Safety Engineering  
Applied Economics  
Applied Linguistics  
Applied Mathematics  
Archaeology  
Architect  
Architectural Engineering  
Architecture  
Assyriology  
Astronomy  
Autonomous Vehicle Control Engineering  
Balassi Preparatory Course in Hungarian Language  
Basic and Translational Medicine  
Biochemical Engineering  
Biology  
Biology  
Biotechnology  
Business Administration and Management  
Business and Management Ph.D. program  
Business Development  
Business Informatics  
Business Informatics  
Cartography  
Central European Studies  
Ceramic Design  
Chemical Engineering  
Chemical Engineering  
Chemistry  
Chemistry  
Choral Conducting  
Civil Engineering  
Classical Music Instrumental Performance  
Classical Musical Instrumental Performance  
Classical Musical Instrumental Performance (Piano, Violin, Flute, Guitar)  
Classical Singing  
Classical Singing (Opera Singing, Oratorio and Lied Specialisations)  
Classical Singing (Opera Singing, Oratorio and Song Specialisations)  
Clinical Medicine  
Commerce and Marketing  
Communication and Media Science  
Communication and Media Studies  
Complex Rehabilitation

Computational and Cognitive Neuroscience  
Computer Science  
Computer Science  
Computer Science Engineering  
Computer Science Engineering  
Computer Science for Autonomous Systems  
Conducting (Orchestral Conducting Specialisation)  
Crop Production Engineering  
Cultural Anthropology  
Dance Artist Specialized in Classical Ballet  
Dance Artist specialized in Modern Dance  
Deák Ferenc Doctoral School in Law and Political Sciences  
Dentistry  
Deutsch als Minderheitensprache und -kultur  
Deutsche Sprache, Literatur und Kultur  
Deutscher Sprache, Literatur und Kultur  
Deutschsprachige Ausbildung im Fach für Handel und Marketing  
Doctor der Theologie  
Doctoral programme in Animal sciences  
Doctoral programme in Civil engineering  
Doctoral programme in Crop and horticultural sciences  
Doctoral programme in Food sciences  
Doctoral programme in Transportation engineering and vehicle engineering  
Doctoral programme Informatics  
Doctoral School in Basic Medicine  
Doctoral School in Animal Science  
Doctoral School in Economics  
Doctoral School in Linguistics  
Doctoral School in Management Sciences and Business Administration  
Doctoral School of Pharmaceutical Sciences  
Doctoral School of Animal Science  
Doctoral School of Applied Informatics and Applied Mathematics  
Doctoral School of Architectural Engineering  
Doctoral School of Architecture  
Doctoral School of Architecture Engineering  
Doctoral School of Biological Sciences  
Doctoral School of Biology  
Doctoral School of Biology and Environmental Sciences  
Doctoral School of Biology and Sportbiology  
Doctoral School of Business Administration  
Doctoral School of Business and Management  
Doctoral School of Business Informatics  
Doctoral School of Chemical Engineering and Material Sciences  
Doctoral School of Chemistry  
Doctoral School of Chemistry and Chemical Technology (Chemical- Bio- and Environmental Engineering)  
Doctoral School of Chemistry and Chemical Technology (Chemistry)  
Doctoral School of Chemistry and Environmental Sciences  
Doctoral School of Civil Engineering and Earth Sciences (Civil Engineering Sciences)  
Doctoral School of Civil Engineering and Earth Sciences (Earth Sciences)  
Doctoral School of Clinical Medicine  
Doctoral School of Clinical Neurosciences  
Doctoral School of Computer Science

Doctoral School of Crop Sciences and Horticulture  
Doctoral School of Dental Sciences  
Doctoral School of Earth Sciences  
Doctoral School of Education  
Doctoral School of Educational Sciences  
Doctoral School of Electrical Engineering  
Doctoral School of Entrepreneurship and Business Sciences  
Doctoral School of Enterprise Theory and Practice  
Doctoral School of Environmental Sciences  
Doctoral School of Food Sciences  
Doctoral School of Forestry and Wildlife Management Sciences  
Doctoral School of General and Quantitative Economics  
Doctoral School of Geosciences  
Doctoral School of Health Sciences  
Doctoral School of History  
Doctoral School of Horticultural Sciences  
Doctoral School of Human Sciences, Educational Research  
Doctoral School of Human Sciences, Modern Philosophy  
Doctoral School of Informatics  
Doctoral School of Information and Communication Technologies  
Doctoral School of Information Science and Technology  
Doctoral School of Interdisciplinary Medical Sciences  
Doctoral School of Interdisciplinary Medicine  
Doctoral School of International Relations  
Doctoral School of Landscape Architecture and Landscape Ecology  
Doctoral School of Law  
Doctoral School of Law and Political Sciences  
Doctoral School of Legal Studies  
Doctoral School of Linguistics  
Doctoral School of Literary and Cultural Studies  
Doctoral School of Literary Studies  
Doctoral School of Management and Business  
Doctoral School of Management and Business Administration  
Doctoral School of Management and Organisation Sciences  
Doctoral School of Management and Organizational Sciences  
Doctoral School of Materials Sciences and Technologies  
Doctoral School of Mathematical and Computational Sciences  
Doctoral School of Mathematics  
Doctoral School of Mathematics and Computer Science  
Doctoral School of Mechanical Engineering  
Doctoral School of Medical Sciences  
Doctoral School of Mental Health Sciences  
Doctoral School of Military Engineering  
Doctoral School of Military Sciences  
Doctoral School of Molecular Cellular and Immune Biology  
Doctoral School of Molecular Medicine  
Doctoral School of Multidisciplinary Medical Sciences  
Doctoral School of Neurosciences  
Doctoral School of Nutrition and Food Sciences Nutritional science PhD Program  
Doctoral School of Nutrition and Food Sciences, Food Sciences PhD  
Doctoral School of Pharmaceutical Sciences  
Doctoral School of Pharmacological and Pharmaceutical Sciences

Doctoral School of Philosophy  
Doctoral School of Physical Sciences  
Doctoral School of Physics  
Doctoral School of Plant Science  
Doctoral School of Political Science  
Doctoral School of Psychology  
Doctoral School of Public Administration  
Doctoral School of Regional Development  
Doctoral School of Regional Sciences  
Doctoral School of Safety and Security Sciences  
Doctoral School of Social Communication  
Doctoral School of Sociology  
Doctoral School of Sport Sciences  
Doctoral School of Theology  
Doctoral School of Theoretical Medicine  
Doctoral School of Transportation and Vehicle Engineering  
Doctoral School of Wood Sciences and Technologies  
Dutch Language and Culture Studies  
Earth Sciences  
Earth Sciences Engineering  
Economic Analysis  
Educational Science  
Electrical Engineering  
Electrical Engineering  
Engineering Management  
English and American Studies  
English and American Studies  
English Studies  
Environmental Engineering  
Environmental Engineering  
Environmental Science  
Ethnic and Minority Policy  
European and International Business Law  
Festetics Doctoral School of Environmental sciences  
Film Studies  
Finance  
Finance and Accounting  
Food Engineering  
Food Engineering  
Food Safety and Quality Engineering  
Food Science and Technology Engineering  
French Language, Literature and Culture  
Geography  
Geography  
Geology  
German Language, Literature and Culture  
German Studies  
Germanic Studies, Specialized in German Studies  
Germanic Studies, Specialized in Netherlandistic Studies  
Germanic Studies, Specialized in Scandinavian Studies  
Gestion Internationale  
Gyula Petrányi Doctoral School of Allergy and Clinical Immunology

Hatvany József Doctoral School of Information Science  
Health Care and Disease Prevention (Public Health)  
Health Policy, Planning and Financing  
Highest Specialized Solo Piano Performance (postgraduate specialist training)  
History  
Horticultural Engineering  
Horticultural Engineering  
Human Resource Counselling  
Hungarian  
Hungarian Language Preparatory Course in Pécs, 'MagyarOK'  
Hungarian Studies  
Hungarian University of Fine Arts Doctoral School  
Hydrobiology  
Hydrogeological Engineering  
Industrial Product Design Engineering  
Info-Bionics Engineering  
Infrastructural Engineering  
Intensive Hungarian Foundation Course  
Intensive Hungarian Preparatory Programme  
International Business Economics  
International Economy and Business  
International Public Service Relations  
International Relations  
International Relations  
International Studies  
Internationaler Masterstudiengang Germanistische Sprach-, Kultur- und Literaturwissenschaft Kassel  
Italian Language, Literature and Culture  
Kálmán Kerpely Doctoral School Crop production Sciences Ph.D.  
Kálmán Kerpely Doctoral School Horticultural Sciences Ph.D.  
Kálmán Laki Doctoral School  
Kerpely Antal Doctoral School of Materials Sciences and Technologies  
Kindergarten Education  
Kodály Music Pedagogy  
Land Surveying and Land Management Engineering  
Landscape Architecture and Garden Design  
Landscape Management and Garden Construction Engineering  
Logic and Theory of Science  
Logistics Engineering  
Logistics Engineering  
Management and Leadership  
Marketing  
Master of Business Administration  
Master of Business Administration (MBA)  
Materials Engineering  
Materials Engineering  
Materials Science  
Mathematics  
Mathematics  
Mechanical Engineering  
Mechanical Engineering  
Mechanical Engineering Modelling  
Mechatronic Engineering

Mechatronics Engineering  
Mechatronics Engineering  
Medical Biotechnology  
Medical Diagnostic Imaging Analysis  
Medicine  
Metallurgical Engineering  
Meteorology  
Mikoviny Sámuel Doctoral School of Earth Sciences  
Molecular Biology  
Molecular Medicine  
Multilingualism Doctoral School  
Music Composition  
Musical Creative Arts and Musicology  
Neurosciences  
Nursing  
Nursing and Patient Care - Dietitian  
Nursing and Patient Care - Midwife  
Nursing and Patient Care - Nurse  
Nursing and Patient Care - Physiotherapist  
Pathological Sciences  
Performance  
Performance  
Performance (Music)  
Performance (Specialisations: Piano, Violin, Guitar, Flute, Trombone, Classical singing)  
Petroleum Engineering  
Petroleum Geoengineering  
Pharmacy  
Photography  
Physical Training  
Physics  
Physics  
Physiotherapy  
Plant Protection  
Political Science  
Portuguese Language, Literature and Culture  
Preparatory Course in Hungarian Language  
Pre-School Teaching  
Professional Pilot  
Psychology  
Psychology  
Public Health  
Public Policy and Management  
Recreation  
Regional and Environmental Economic Studies  
Religious Studies  
Romance Philology and Cultures, Specialized in French Studies  
Romance Philology and Cultures, Specialized in Italian Studies  
Romance Philology and Cultures, Specialized in Portuguese Studies  
Romance Philology and Cultures, Specialized in Romanian Studies  
Romance Philology and Cultures, Specialized in Spanish Studies  
Romance Philology, Specialized in French Studies  
Romance Philology, Specialized in Italian Studies

Romance Philology, Specialized in Spanish Studies  
Romanian Language, Literature and Culture  
Roska Tamás Doctoral School of Sciences and Technology  
Rural Development Engineering  
Russian Language and Literature  
Sályi István Doctoral School of Mechanical Engineering Sciences  
Scandinavian Studies  
Semiotics  
Social Integration  
Social Work  
Social Work in Health Care  
Sociology  
Sociology  
Spanish Language, Literature and Culture  
Special Needs Education  
Structural Engineering  
Study of Religions  
Supply Chain Management  
Széchenyi University Doctoral Programme in Management (SzEEDSM)  
Teacher Training  
Teacher Training  
Technical Management  
Technical Management  
Theology  
Timber Industry Engineering  
Timber Industry Engineering  
Tourism and Catering  
Tourism Management  
Tourismus und Gastronomie  
Transport Engineering  
Urban Systems Engineering  
Vehicle Engineering  
Vehicle Engineering  
Veterinary Medicine  
Visual Representation  
Viticulture and Oenology Engineering  
Water Operation Engineering  
Wildlife Management Engineering  
Wildlife Management Engineering  
Bulgarian Language and Literature  
Croatian Language and Literature  
Czech Language and Literature  
Slovenian Language and Literature  
Slovakian Language and Literature  
Serbian Language and Literature  
Ukrainian Language and Literature  
Indology  
Instructor of English as a foreign language  
Pedagogy  
Doctoral School of History and Ethnology  
Environmental Studies  
Preparatory Studies in Hungarian

## Hungarian as a Foreign Language



Study level	Branch of Science
MA	Agricultural Science
MA	Agricultural Science
BA	Agricultural Science
OTM	Agricultural Science
MA	Agricultural Science
MA	Agricultural Science
MA	Arts and Humanities
MA	Agricultural Science
MA	Agricultural Science
BA	Economic Science
MA	Arts and Humanities
MA	Natural Science
MA	Arts and Humanities
MA	Engineering Science
OTM	Engineering Science
OTM	Engineering Science
MA	Arts and Humanities
MA	Natural Science
MA	Engineering Science
Non degree	Preparatory Course in Hungarian Language
PHD	Medical and Health Science
BA	Engineering Science
BA	Natural Science
MA	Natural Science
MA	Natural Science
BA	Economic Science
PHD	Economic Science
MA	Economic Science
BA	Computer Science and Information Technology
MA	Computer Science and Information Technology
MA	Natural Science
MA	Arts and Humanities
MA	Arts
BA	Engineering Science
MA	Engineering Science
BA	Natural Science
MA	Natural Science
MA	Arts
BA	Engineering Science
MA	Arts
MA	Arts
MA	Arts
MA	Arts
MA	Arts
MA	Arts
PHD	Medical and Health Science
BA	Economic Science
BA	Social Science
MA	Social Science
MA	Medical and Health Science

MA	Natural Science
BA	Computer Science and Information Technology
MA	Computer Science and Information Technology
BA	Computer Science and Information Technology
MA	Computer Science and Information Technology
MA	Computer Science and Information Technology
MA	Arts
MA	Agricultural Science
MA	Social Science
BA	Arts
BA	Arts
PHD	Social Science
OTM	Medical and Health Science
MA	Arts and Humanities
MA	Arts and Humanities
MA	Arts and Humanities
BA	Economic Science
PHD	Religion and Theology
PHD	Agricultural Science
PHD	Engineering Science
PHD	Agricultural Science
PHD	Agricultural Science
PHD	Engineering Science
PHD	Engineering Science
PHD	Medical and Health Science
PHD	Agricultural Science
PHD	Economic Science
PHD	Arts and Humanities
PHD	Economic Science
PHD	Medical and Health Science
PHD	Agricultural Science
PHD	Engineering, Natural sciences
PHD	Engineering Science
PHD	Engineering Science
PHD	Engineering Science
PHD	Natural Science
PHD	Natural Science
PHD	Natural Science
PHD	Natural Science
PHD	Economic Science
PHD	Economic Science
PHD	Engineering, Natural sciences
PHD	Engineering Science
PHD	Natural Science
PHD	Engineering Science
PHD	Natural Science
PHD	Natural Science
PHD	Engineering Science
PHD	Natural Science
PHD	Medical and Health Science
PHD	Medical and Health Science
PHD	Engineering Science

PHD	Agricultural Science
PHD	Medical and Health Science
PHD	Engineering Science
PHD	Teaching
PHD	Arts and Humanities
PHD	Engineering Science
PHD	Economic Science
PHD	Economic Science
PHD	Environmental sciences
PHD	Agricultural Science
PHD	Agricultural Science
PHD	Economic Science
PHD	Natural Science
PHD	Medical and Health Science
PHD	Arts and Humanities
PHD	Agricultural Science
PHD	Teaching
PHD	Arts and Humanities
PHD	Engineering Science
PHD	Engineering, Social sciences
PHD	Engineering Science
PHD	Medical and Health Science
PHD	Health Sciences, Theoretical Sciences, Experimental Medicine
PHD	Economic Science
PHD	Agricultural Science
PHD	Social Science
PHD	Social Science
PHD	Social Science
PHD	Arts and Humanities
PHD	Arts and Humanities
PHD	Arts and Humanities
PHD	Economic Science
PHD	Economic Science
PHD	Social Science
PHD	Economic Science
PHD	Engineering Science
PHD	Natural Science
PHD	Natural Science
PHD	Natural Science
PHD	Engineering Science
PHD	Medical and Health Science
PHD	Medicine and health, Social sciences
PHD	Engineering Science
PHD	Social science
PHD	Medical and Health Science
PHD	Medical and Health Science
PHD	Medical and Health Science
PHD	Medical and Health Science
PHD	Agriculture, medicine and health
PHD	Agricultural Science
PHD	Medical and Health Science
PHD	Medical and Health Science

PHD	Arts and Humanities
PHD	Natural Science
PHD	Natural Science
PHD	Agricultural Science
PHD	Social science
PHD	Arts and Humanities
PHD	Social Science
PHD	Economic Science
PHD	Social science
PHD	Engineering Science
PHD	Social science
PHD	Social science
PHD	Sport sciences
PHD	Religion and Theology
PHD	Medical and Health Science
PHD	Engineering Science
PHD	Engineering Science
MA	Arts and Humanities
BA	Natural Science
MA	Engineering Science
MA	Economic Science
MA	Arts and Humanities
BA	Engineering Science
MA	Engineering Science
MA	Engineering Science
BA	Arts and Humanities
MA	Arts and Humanities
MA	Arts and Humanities
BA	Engineering Science
MA	Engineering Science
MA	Natural Science
MA	Social Science
MA	Legal Science
PHD	Environmental sciences
MA	Arts and Humanities
MA	Economic Science
BA	Economic Science
BA	Agricultural Science
MA	Agricultural Science
MA	Agricultural Science
MA	Agricultural Science
MA	Arts and Humanities
BA	Natural Science
MA	Natural Science
MA	Natural Science
MA	Arts and Humanities
BA	Arts and Humanities
BA	Arts and Humanities
BA	Arts and Humanities
BA	Arts and Humanities
BA	Economic Science
PHD	Medical and Health Science

PHD	Engineering Science
BA	Medical and Health Science
MA	Social Science
PG	Arts
MA	Arts and Humanities
BA	Agricultural Science
MA	Agricultural Science
MA	Arts and Humanities
BA	Arts and Humanities
Non degree	Preparatory Course in Hungarian Language
MA	Arts and Humanities
PHD	Arts
MA	Natural Science
MA	Engineering Science
BA	Engineering Science
MA	Engineering Science
MA	Engineering Science
Non degree	Preparatory Course in Hungarian Language
Non degree	Preparatory Course in Hungarian Language
BA	Economic Science
MA	Economic Science
MA	Science of Public Governance
BA	Social Science
MA	Social Science
MA	Social Science
MA	Arts and Humanities
MA	Arts and Humanities
PHD	Agricultural Science
PHD	Agricultural Science
PHD	Medical and Health Science
PHD	Engineering Science
BA	Teacher Training
MA	Arts
BA	Agricultural Science
MA	Arts
BA	Agricultural Science
MA	Arts and Humanities
BA	Engineering Science
MA	Engineering Science
MA	Economic Science
MA	Economic Science
MA	Economic Science
MA	Economic Science
BA	Engineering Science
MA	Engineering Science
MA	Natural Science
BA	Natural Science
MA	Natural Science
BA	Engineering Science
MA	Engineering Science
MA	Engineering Science
BA	Engineering Science



BA	Arts and Humanities
MA	Arts and Humanities
PHD	Engineering, natural sciences
MA	Agricultural Science
MA	Arts and Humanities
PHD	Engineering Science
MA	Arts and Humanities
MA	Arts and Humanities
MA	Arts and Humanities
BA	Social Science
MA	Medical and Health Science
BA	Social Science
MA	Social Science
MA	Arts and Humanities
MA	Teacher Training
MA	Engineering Science
MA	Arts and Humanities
MA	Economic Science
PHD	Economic Science
MA	Teacher Training
OTM	Teacher Training
BA	Engineering Science
MA	Engineering Science
MA	Theology
BA	Engineering Science
MA	Engineering Science
BA	Economic Science
MA	Economic Science
BA	Economic Science
MA	Engineering Science
MA	Engineering Science
BA	Engineering Science
MA	Engineering Science
OTM	Agricultural Science
BA	Art Education
BA	Agricultural Science
BA	Engineering Science
BA	Agricultural Science
MA	Agricultural Science
MA	Arts and Humanities
MA	Arts and Humanities
MA	Arts and Humanities
MA	Arts and Humanities
MA	Arts and Humanities
MA	Arts and Humanities
MA	Arts and Humanities
MA	Arts and Humanities
MA	Arts and Humanities
MA	Arts and Humanities
MA	Arts and Humanities
MA	Arts and Humanities
BA	Arts and Humanities
PhD	Arts and Humanities
BSc	Natural Science
Non degree	Preparatory Course in Hungarian Language

Non degree

Preparatory Course in Hungarian Language

















x

x

x

x

x

x















X	-	X	-	X	-
X	X	X	-	X	X
X	X	X	X	X	X
X	X	X	-	X	X
X	X	X	-	X	X
X	X	X	X	X	X
X	X	X	-	X	X
X	X	X	-	X	X
X	X	X	-	X	X
X	-	X	X	X	-
X	X	X	X	X	X
X	-	X	X	X	-
X	X	X	X	X	X
X	X	X	-	X	X
X	X	X	-	X	X
X	X	X	X	X	X
X	X	X	-	X	X
X	X	X	X	X	X
X	X	X	-	X	X
X	X	X	-	X	X
X	X	X	X	X	X
X	X	X	-	X	X
X	X	X	-	X	X
X	X	X	-	X	X
X	X	X	-	X	X
X	X	X	X	X	X
X	X	X	-	X	X
X	X	X	-	X	X
X	X	X	X	X	X
X	-	X	X	X	-
X	X	X	X	X	X
X	-	X	X	X	X
X	X	X	X	X	X

x

x

x

x

x

x



Moldova	Syria	Yemen	Azerbaijan	Belarus	Pacific Alliance
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	-	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	-	-	-
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	-	-
X	X	X	-	-	-
X	X	X	X	X	-
X	X	X	X	-	-
X	X	X	X	X	-
X	X	X	X	-	-
X	X	X	X	X	-
X	X	X	-	-	-
X	X	X	X	X	-
X	X	X	X	X	-
X	X	X	X	-	-
X	X	X	X	X	-
X	X	X	X	-	-
X	X	X	X	-	-
X	X	X	X	X	-
X	X	X	X	-	-
X	X	X	X	X	-
X	X	X	X	-	-
X	X	X	X	X	-
X	X	X	X	-	-
X	X	X	X	X	-
X	X	X	-	-	-
X	X	X	X	-	-
X	X	X	X	X	-
X	X	X	X	-	-
X	X	X	X	-	-
X	X	X	X	X	-
X	X	X	-	-	-
X	X	X	X	X	-
X	X	X	X	X	-
X	X	X	X	-	-
X	X	X	X	-	-
X	X	X	X	-	-
X	X	X	X	-	-
X	X	X	-	-	-



X	X	X	X	X	X	X
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	-
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	-
X	X	X	X	X	X	-







X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	X	X	-
X	X	X	X	X	X
X	X	X	-	-	-
X	X	X	X	X	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	-	-	-
X	X	X	X	X	-
X	X	X	X	-	-
X	X	X	X	X	X

x

x

x

x

x

x



China	Colombia	Cuba	Ecuador	Egypt	Eritrea	Ethiopia
-	X	X	X	-	X	X
-	X	X	X	-	X	X
-	X	X	-	X	X	-
-	X	X	X	X	X	X
-	X	X	X	-	X	X
-	X	X	X	-	X	X
-	-	-	-	-	-	-
-	X	X	X	-	X	X
-	X	X	X	-	X	X
X	X	X	-	X	X	-
-	-	-	-	-	-	-
-	X	X	X	X	X	X
-	-	-	-	-	-	-
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
-	-	-	-	-	-	-
-	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	-	X	X	X	X	X
X	X	X	-	X	X	-
-	X	X	-	X	X	-
-	X	X	X	X	X	X
-	X	X	X	X	X	X
X	X	X	-	X	X	-
X	X	X	X	X	X	X
X	X	X	-	X	X	-
X	-	-	-	X	-	-
X	-	-	-	-	-	-
-	X	X	X	X	X	X
-	-	-	-	-	-	-
X	X	X	X	-	-	X
X	X	X	-	X	X	-
X	X	X	X	X	X	X
-	X	X	-	X	X	-
-	X	X	X	X	X	X
X	X	X	X	-	-	X
X	X	X	-	X	X	-
X	X	X	X	-	-	X
X	X	X	X	-	-	X
X	X	X	X	-	-	X
X	X	X	X	-	-	X
X	X	X	X	-	-	X
X	X	X	X	-	-	X
X	-	X	X	X	X	X
X	X	X	-	X	X	-
-	X	X	-	X	-	-
-	X	X	X	-	-	-
-	-	-	-	-	-	-











-	-	-	-	-	-	-
-	-	-	-	-	-	-
X	X	X	X	X	X	X
-	X	X	X	-	X	X
-	-	-	-	-	-	-
X	X	X	X	X	X	X
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	X	X	-	X	-	-
-	-	-	-	-	-	-
-	X	X	-	X	-	-
-	X	X	X	-	-	-
-	-	-	-	-	-	-
-	-	-	X	-	-	-
X	X	X	X	X	X	X
-	-	-	-	-	-	-
X	X	X	-	X	X	-
X	X	X	X	X	X	X
-	-	-	X	-	-	-
-	-	-	X	X	-	-
X	X	X	-	X	X	-
X	X	X	X	X	X	X
-	-	-	-	-	-	-
X	X	X	-	X	X	-
X	X	X	X	X	X	X
-	-	-	-	-	-	-
X	X	X	-	X	X	-
X	X	X	X	X	X	X
-	X	X	X	X	X	X
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
X	-	X	X	X	X	X
-	X	X	-	X	X	-
X	X	X	X	X	X	X

x

x

x

x

x

x

x



Ghana	Indonesia	Israel	India	Iraq	Iran	Jordan
X	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	X	X	-	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	-	X	X	X	X
-	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	-	X	X
-	X	-	X	X	X	X
X	X	X	X	X	X	X
-	X	-	X	X	X	X
X	X	X	X	X	X	X
-	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	X	X	X	X	X
-	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	X	X	X	X	X
-	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	X	X	X	X	X
-	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	X	X	X	X	X
-	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	X	X	X	X	X
-	X	-	X	X	X	X
-	X	X	X	X	X	X
-	X	X	X	X	X	X
-	X	X	X	X	X	X
-	X	X	X	X	X	X
-	X	X	X	X	X	X
-	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	-	X	-	X	X
-	-	-	X	-	X	X
-	-	-	X	X	X	X
-	-	-	X	X	X	X











-	-	-	X	-	X	X
-	X	-	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
-	X	-	X	X	X	X
X	X	X	X	X	X	X
-	X	-	X	X	X	X
-	X	-	X	X	X	X
-	X	-	X	X	X	X
-	-	-	X	-	X	X
-	-	-	X	X	X	X
-	-	-	X	-	X	X
-	-	-	X	X	X	X
-	X	-	X	X	X	X
-	-	-	X	X	X	X
X	X	-	X	X	X	X
-	X	-	X	X	X	X
X	X	X	X	X	X	X
-	-	-	X	X	X	X
-	-	-	X	X	X	X
X	X	X	X	-	X	X
X	X	-	X	X	X	X
-	-	-	X	X	X	X
X	X	X	X	X	X	X
X	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	-	X	X	X	X
X	X	X	X	-	X	X
X	-	-	X	-	X	X
X	X	X	X	X	X	X

x

x

x

x

x

x

x















-	X	X	X	-	X
-	X	-	-	-	X
X	X	-	X	X	X
X	X	-	X	X	X
-	X	-	-	-	X
X	X	-	X	X	X
-	X	-	-	-	X
-	X	-	-	-	X
-	X	X	X	X	X
-	X	-	-	-	X
-	X	X	X	X	X
-	X	-	-	-	X
X	X	-	X	X	X
-	X	-	-	-	X
X	X	-	X	X	X
X	X	-	X	X	X
-	X	-	X	X	X
X	X	-	X	X	X
X	X	-	X	X	X
-	X	X	X	X	X
X	X	-	X	X	X
X	X	-	X	X	X
X	X	-	X	X	X
X	X	X	X	X	X
X	X	-	X	X	X
X	X	-	-	-	X
-	X	-	-	-	X
-	X	-	-	-	X
-	X	-	-	-	X
-	X	-	-	-	X
-	X	-	-	-	X
-	X	-	-	-	X
-	X	-	-	-	X
-	X	-	-	-	X
-	X	-	-	-	X
-	X	-	-	-	X
-	X	-	-	-	X
-	X	-	-	-	X
-	X	-	-	-	X
-	X	X	X	-	X
X	X	-	X	X	X
X	X	X	-	X	X
X	X	X	X	X	X

x

x

x

x

x

x















X	X	X	X	-
X	X	X	X	-
X	X	X	X	X
X	X	X	X	X
X	X	X	X	-
X	X	X	X	X
X	X	X	X	-
X	X	X	X	-
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	-
X	X	X	X	X
X	X	X	X	-
X	X	X	X	X
X	X	X	X	-
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	-
X	X	X	X	-
X	X	X	X	-
X	X	X	X	-
X	X	X	X	-
X	X	X	X	-
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X

x

x

x

x

x



Mexico	Malaysia	Namibia	Nigeria	Panama	the Philippines
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
-	-	X	-	X	-
X	X	X	X	X	X
X	X	X	X	X	X
X	-	X	-	X	X
-	-	X	-	X	-
X	X	X	-	X	X
-	-	X	-	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
-	-	X	-	X	-
X	X	X	-	X	X
X	-	X	X	X	X
X	X	X	-	X	X
X	X	X	-	X	X
X	-	X	-	X	X
X	X	X	X	X	X
X	X	X	-	X	X
X	X	X	-	X	X
X	-	X	-	X	X
X	X	X	X	X	X
X	-	X	-	X	X
X	-	X	-	X	X
X	X	X	X	X	X
X	-	X	-	X	X
X	-	X	-	X	X
X	-	X	-	X	X
X	-	X	-	X	X
X	-	X	-	X	X
X	X	X	X	X	X
X	-	X	-	X	X
X	-	X	-	X	X
-	X	X	-	X	X













x

x

x

x

x

x















X	X	-	-	X	-
X	X	-	-	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	-	-	X	X
X	X	X	X	X	X
X	X	-	-	X	X
X	X	-	-	-	X
X	X	X	-	-	-
X	X	-	-	-	X
X	X	X	-	-	-
X	X	X	X	-	X
X	X	-	-	X	X
X	X	-	-	X	X
X	X	X	X	X	X
X	X	-	-	-	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	-	-	X	X
X	X	-	-	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	-	-	X	-
X	X	-	-	X	X
X	X	-	-	X	X
X	X	-	-	X	X
X	X	-	-	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	-	-	X	X
X	X	-	-	X	X
X	X	-	-	X	X
X	X	-	-	X	X
X	X	-	-	X	X
X	X	-	-	X	X
X	X	-	-	X	X
X	X	-	-	X	X
X	X	-	-	X	X
X	X	-	-	X	X
X	X	X	X	-	X
X	X	X	X	X	-
X	X	X	X	X	X

x

x

x

x

x

x















X	X	-	X	X
X	-	X	X	X
X	X	X	X	X
X	X	X	X	X
X	-	X	X	X
X	X	X	X	X
X	-	X	X	X
X	-	X	X	X
X	-	-	-	X
X	X	-	-	X
X	-	-	-	X
X	-	X	X	X
X	-	-	-	X
X	X	X	X	X
X	X	X	X	X
X	-	X	-	X
X	X	-	-	X
X	-	-	-	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	-	X	-	X
X	-	X	-	X
X	-	X	-	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	-	X	X	X
X	-	X	X	X
X	-	X	X	X
X	-	X	X	X
X	-	X	X	X
X	-	X	X	X
X	-	X	X	X
X	-	X	X	X
X	-	X	X	X
X	X	-	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X

x

x

x

x

x



Tanzania	Ukraine	Uruguay	Uzbekistan	Vietnam	Kosovo
X	-	X	X	X	X
X	-	X	X	X	X
X	-	X	X	X	X
X	-	X	X	X	X
X	-	X	X	X	X
X	-	X	X	X	X
-	X	-	X	-	X
X	-	X	X	X	X
X	-	X	X	X	X
X	-	X	X	X	X
-	X	-	X	-	X
X	-	X	X	X	X
-	X	-	X	-	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
-	X	-	X	-	X
X	-	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	-	X	X	X	X
X	-	X	X	X	X
X	-	X	X	X	X
X	-	X	X	X	X
X	X	X	X	X	X
X	-	X	X	X	X
X	-	X	X	X	X
X	-	X	X	X	X
X	-	X	X	X	X
X	-	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	-	X	X	X	X
X	-	X	X	X	X
-	-	X	X	X	X
-	-	X	X	X	X
-	-	X	X	X	X
-	-	X	X	X	X
-	-	X	X	X	X
-	-	X	X	X	X
X	X	X	X	X	X
X	-	X	X	X	X
-	X	-	X	X	X
-	X	-	-	X	X
-	X	-	-	X	X













x

x

x

x

x

x

















x

x

x

x