

IN 2011 ALL STATES OF EDUCATION
 ENDORSED A NATIONALLY CONSISTENT
 APPROACH TO TEACHER REGISTRATION THAT
 INCLUDES REQUIRING THE SAME
 STANDARDS AND CONSISTENT PROCESSES
 ACROSS STATES AND TERRITORIES. SINCE
 2011 ALL INITIAL TEACHER EDUCATION
 CANDIDATES TAKE THE 4 ITERACY AND
 SS Y fAla !y TCES

ARE SPECIFIED IN INITIAL TRAINING

WORKING CONDITIONS ANT A é CNSBI

	EDUCATION PROGRAM WHILE THEY RECEIVE THEIR EDUCATION IN UNIVERSITIES	# MONTHS,				60 CHANGE IN POLICY
+ YPRUS	<TEACHERS ARE OBLIGED TO HAVE A UNIVERSITY DEGREE FROM A RECOGNIZED INSTITUTION OF HIGHER EDUCATION IN THE SUBJECTS THEY WILL TEACH AND ATTEND A 1/YEAR PRESERVICE EDUCATION PROGRAM	2 & DAYS,		2 YEARS,		60 CHANGE IN POLICY . OR/ RADE % TEACH

THERE IS NO SCIENCE / +; -
 REQUIREMENTS - TEACHERS IN ACADEMY
 SCHOOLS STATE/FUNDED BUT
 INDEPENDENT OF THE LOCAL AUTHORITY,
 DO NOT

Exhibit 22: Main Preparation Routes and Current Requirements for Eighth Grade Teachers

Reported by National Research Coordinators

2019

(Continued)

Country	Main Teacher Preparation Route	Current Requirements				Description of Policy Changes Within Past 10 Years
		Supervised Practicum During Teacher Education Program	Passing a Qualifying Examination	Completion of Probationary Teaching Period	Completion of Mentoring or Induction Program	
INDONESIA	50% OF TEACHERS HAVE SUBJECT SPECIFIC TEACHER EDUCATION PROVIDED IN COOPERATION WITH DIFFERENT UNIVERSITY DEPARTMENTS AND FACULTIES AND CANDIDATES COMPLETE SUBJECT SPECIFIC COURSES IN THE DEPARTMENT OF THE PARTICULAR SUBJECT AND PEDAGOGICAL COURSES IN THE DEPARTMENT OF TEACHER EDUCATION	21 CREDITS				NO CHANGE IN POLICY
FRANCE	70% OF TEACHER QUALIFICATION PROGRAMS ARE SUBJECT SPECIFIC AND CANDIDATES COMPLETE A UNIVERSITY LEVEL COURSE EQUIVALENT TO A MASTER'S DEGREE, IN A SPECIFIC SUBJECT	1 YEAR		12 YEARS		* BEFORE 2011 TEACHER QUALIFICATION PROGRAMS COMMENCED WITH A BACHELOR'S DEGREE
GEORGIA	<TEACHERS MUST HAVE AT LEAST A BACHELOR'S DEGREE AND PASS AN EXAMINATION IN THE SUBJECTS THEY WILL TEACH> THE BACHELOR'S DEGREE PROGRAMS FOR PRIMARY EDUCATION ARE SEPARATELY ACCREDITED PROGRAMS IN UNIVERSITIES	1 SEMESTER				<THE REQUIREMENT TO PASS EXAMINATIONS IN THE SUBJECTS THE CANDIDATE WILL TEACH AND TO BECOME INVOLVED IN PROFESSIONAL DEVELOPMENT CAREER ADVANCEMENT WERE INTRODUCED IN 2011>
CONG () :	50% OF TEACHERS RECEIVE THEIR PROFESSIONAL TRAINING THROUGH A UNIVERSITY DEGREE PROGRAM / 50% OF MATHEMATICS AND SCIENCE TEACHERS HOLD A CONG BACHELOR'S DEGREE WITH A MAJOR IN THE SUBJECT THEY WILL TEACH OR THE EQUIVALENT OR IN ANOTHER SUBJECT WITH A POSTGRADUATE CERTIFICATE IN EDUCATION OR EQUIVALENT FROM A CONG TERTIARY EDUCATION INSTITUTION					IN 2011 & THE ALLGRADUATE TEACHING FORCE POLICY WAS IMPLEMENTED IN PUBLIC SECTOR PRIMARY AND SECONDARY SCHOOLS. ALL SCHOOLS MUST FULLY IMPLEMENT THIS POLICY
HUNGARY	<TEACHERS ARE REQUIRED TO HOLD A BACHELOR'S DEGREE> THE DEGREE MAY BE EARNED IN 4 SEMESTERS AT AN INDEPENDENT TEACHER TRAINING COLLEGE AT A UNIVERSITY. IN THIS SYSTEM STUDENTS TAKE COURSES IN THEIR SPECIALTY SUBJECTS AND IN PEDAGOGY AND CANDIDATES PARTICIPATE IN A CONTINUOUS 12 WEEK TEACHING PRACTICE AND TAKE AN IN-CLASSROOM TEACHING EXAMINATION AND A STATE EXAMINATION	24 MONTHS				* BEGINNING IN 2011 TRAINING PROGRAMS FOR SECONDARY SCHOOL TEACHERS INTRODUCED A 12 SEMESTER MODEL (1 SEMESTER MASTER'S DEGREE, 2 SEMESTERS OF PROFESSIONAL PRACTICE, 2 SEMESTERS OF TEACHER TRAINING PROGRAMS FOLLOW THIS MODEL)
IRAN ISLAMIC REPUBLIC	50% OF TEACHERS RECEIVE THEIR EDUCATION THROUGH TEACHER EDUCATION PROGRAMS OR FROM UNIVERSITIES WITH MAJORS IN PRIMARY EDUCATION	2 SEMESTERS				SINCE 2011 NEW TEACHERS ARE REQUIRED TO HOLD AT LEAST A MASTER'S DEGREE
IRELAND	<TEACHERS MUST HOLD AN OCONOR'S BACHELOR'S DEGREE OR EQUIVALENT THAT THE EDUCATION COUNCIL DEEMS SATISFIES THE REQUIREMENTS FOR AT LEAST 1 CURRICULAR SUBJECT AND HOLD A BACHELOR'S DEGREE APPROVED INITIAL TEACHER EDUCATION QUALIFICATION DIRECTED TOWARD STUDENTS AGES 12-18 OR A BACHELOR'S DEGREE APPROVED CONCURRENT DEGREE QUALIFICATION IN POST-PRIMARY INITIAL TEACHER EDUCATION WHICH COMBINES THE STUDY OF 1 OR MORE CURRICULAR SUBJECTS THAT SATISFY THE REQUIREMENTS FOR AT LEAST 1 SUBJECT>			200 HOURS		SINCE 2011 CANDIDATES ARE REQUIRED TO COMPLETE A 2-YEAR MASTER'S OF EDUCATION AND PROBATION PERIOD INSTEAD OF A 1-YEAR OR IER, DIPLOMA IN EDUCATION

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ISRAEL	50% OF TEACHERS RECEIVE THEIR EDUCATION THROUGH TEACHERS' COLLEGE OF EDUCATION PROGRAMS TOWARD A BACHELOR OF EDUCATION (B.Ed.) WHICH ALSO PROVIDES A TEACHING QUALIFICATION. 1 YEAR. 50% RECEIVE THEIR EDUCATION THROUGH A UNIVERSITY DEGREE FOLLOWED BY 1 YEAR OF STUDY TOWARD A TEACHING LICENSE. 2 YEARS TOWARD A BACHELOR OF SCIENCE (B.Sc.) AND AN ADDITIONAL 1/2 YEAR PROGRAM TOWARD A TEACHING CERTIFICATE. THE COURSES FOR ELEMENTARY AND JUNIOR HIGH SCHOOL TEACHERS DIFFER BUT ALL OTHER REQUIREMENTS ARE THE SAME.	2 YEARS		1 YEAR		60 CHANGE IN POLICY
ITALY	40% OF SECONDARY SCHOOL TEACHERS ARE REQUIRED TO HOLD A MASTER'S DEGREE IN MATHEMATICS OR A SCIENCE (E.g. PHYSICS, NATURAL SCIENCES, BIOLOGY, GEOLOGY, OR CHEMISTRY). EACH YEAR'S QUALIFICATION AND 21 CREDITS IN PEDAGOGICAL COURSES ARE ALSO REQUIRED.	1 YEAR		1 YEAR		THE REQUIREMENT TO COMPLETE 21 UNIVERSITY COURSE CREDITS IN PEDAGOGICAL COURSES WAS INTRODUCED IN 2011.
JAPAN	TEACHERS OF 1 GRADE STUDENTS IN PUBLIC SCHOOLS MUST HOLD A MIDDLE SCHOOL TEACHER CERTIFICATE WHICH CAN BE EARNED THROUGH AN ASSOCIATE OR UNDERGRADUATE DEGREE PROGRAM AND PASS AN EXAMINATION OFFERED BY THE LOCAL BOARD OF EDUCATION.	1 WEEKS		1 YEAR		60 CHANGE IN POLICY
JORDAN	TEACHERS RECEIVE THEIR EDUCATION THROUGH A UNIVERSITY DEGREE PROGRAM.					60 CHANGE IN POLICY
KAZAKHSTAN	50% OF TEACHERS RECEIVE THEIR EDUCATION THROUGH A UNIVERSITY DEGREE PROGRAM. 50% ATTEND A TEACHER COLLEGE PROGRAM BUT THAT IS BECOMING LESS COMMON.	2 MONTHS		2 MONTHS		60 CHANGE IN POLICY
KOREA (EPIC)	SECONDARY SCHOOL TEACHERS ARE REQUIRED TO GET A CERTIFICATE IN THE SUBJECT THEY TEACH. TEACHERS GRADUATING FROM TEACHERS' COLLEGE MAJOR IN THEIR SPECIFIC SUBJECT OR GENERAL COLLEGE WITH A TEACHER CERTIFICATE. CANDIDATES WHO DECIDE TO BECOME A TEACHER AFTER GRADUATING FROM A NON-EDUCATION COLLEGE OR UNIVERSITY MAY ATTEND A GRADUATE SCHOOL OF EDUCATION.	1 WEEKS				60 CHANGE IN POLICY
QATAR	TEACHERS MUST HAVE A UNIVERSITY DEGREE FROM THE DEPARTMENT OF EDUCATION AT QATAR UNIVERSITY OR FROM A COLLEGE OF BASIC EDUCATION OR HAVE AN EQUIVALENT UNIVERSITY DEGREE FROM ANOTHER INSTITUTION.	1 MONTHS		2 MONTHS		60 CHANGE IN POLICY
LEBANON	50% OF TEACHERS RECEIVE THEIR EDUCATION THROUGH A UNIVERSITY DEGREE PROGRAM. 50% HAVE ATTENDED A TEACHER COLLEGE PROGRAM BUT THAT IS BECOMING LESS COMMON.	1 YEAR		1 YEAR		60 CHANGE IN POLICY

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(Continued)

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		Supervised Practicum During Teacher Education Program	Passing a Qualifying Examination	Completion of Probationary Teaching Period	Completion of Mentoring or Induction Program	
41HUNANIA	5 OST PRIMARY SCHOOL TEACHERS RECEIVE THEIR EDUCATION IN PEDAGOGICAL UNIVERSITIES THROUGH A UNIVERSITY DEGREE PROGRAM (BACHELOR'S DEGREE) 1 YEARS, OR PRIMARY TEACHER COLLEGE PROGRAMS (2-4 YEARS).	2 MONTHS				IN 2011 THE MINISTER OF EDUCATION AND SCIENCE APPROVED NEW QUALIFICATIONS FOR BECOMING A TEACHER. ONE OF THE MAIN CHANGES WAS THAT PEDAGOGICAL UNIVERSITY STUDENTS MUST FINISH THEIR STUDIES BEFORE THEY BEGIN TEACHING IN PRIMARY SCHOOLS.
5 MALAYSIA	<TEACHERS MUST OBTAIN A DEGREE IN EDUCATION THROUGH A UNIVERSITY PROGRAM IN THE SUBJECTS THEY WILL TEACH.>	1 # WEEKS		1 1/2 YEARS		; SINCE 2015, TEACHER CANDIDATES ARE SELECTED IN STAGES. FIRST CANDIDATES TAKE THE MALAYSIAN EDUCATORS' ELECTION (MENTOR) TEST; 1 EXAMINATION. IF THEY PASS, CANDIDATES ARE INTERVIEWED BY LOCAL UNIVERSITIES WHO GIVE AUTONOMY TO SELECT CANDIDATES.
5 MOROCCO	<TEACHERS MUST HOLD A BACHELOR'S DEGREE, PASS A NATIONAL EXAMINATION AND SIT FOR AN INTERVIEW.>					; SINCE 2014, TEACHER RECRUITMENT IS DONE REGIONALLY.
6 NEW ZEALAND	5 OST TEACHERS COMPLETE A 1-YEAR COMPRESSED GRADUATE DIPLOMA PROGRAM OF STUDY, WHICH CAN BE UNDERTAKEN BY CANDIDATES WHO ALREADY HOLD A UNIVERSITY DEGREE.	AT LEAST 1 WEEKS		AT LEAST 2 YEARS		60 CHANGE IN POLICY
6 NORWAY	<TEACHERS MAY FOLLOW TWO SEPARATE TRACKS, DEPENDING ON WHETHER THEY WILL TEACH / RADES 1-11 OR / RADES 12-13. SINCE 2015, BOTH ARE 1-YEAR MASTER'S PROGRAMS. / RADE 12 MATHEMATICS TEACHERS MUST HAVE #L CREDIT POINTS 1 YEAR OF FULL-TIME STUDY, IN MATHEMATICS. MATHEMATICS EDUCATION IN THEIR TEACHER EDUCATION PROGRAM. / RADE 13 SCIENCE TEACHERS MUST HAVE 2L CREDIT POINTS.>	1 1/2 DAYS				= UNTIL 2014, THE UNIVERSITY + COLLEGE PROGRAM WAS FOR / RADES 1-11 AND TEACHER EDUCATION PROGRAMS WERE 1 YEAR. SINCE 2015, ALL IN SERVICE MATHEMATICS AND SCIENCE TEACHERS MUST MEET THE CREDIT REQUIREMENTS.
7 MEXICO	<TEACHERS MUST HOLD A BACHELOR'S DEGREE WITH A SPECIALIZATION IN A SPECIFIC SUBJECT. / RADE 12 TEACHERS COMPLETE MORE CREDIT HOURS IN ACADEMIC SUBJECTS AND DIFFERENT PEDAGOGICAL COURSES THAN / RADE 13 TEACHERS.>	1 1/2 YEARS				60 CHANGE IN POLICY
8 PORTUGAL) 1L TEACHERS RECEIVE THEIR EDUCATION THROUGH A UNIVERSITY PROGRAM AND HOLD A BACHELOR'S OR MASTER'S DEGREE.	1 SCHOOL YEAR		1 SCHOOL YEAR		IN 2011, A POLICY REQUIRING TEACHERS TO PASS A QUALIFICATION EXAMINATION TO PRACTICE AT STATE-ENDORSED SCHOOLS WAS SUSPENDED.
9 AUSTRALIA) 1L TEACHERS MUST HOLD A BACHELOR'S DEGREE IN THE SUBJECT THEY TEACH FROM RECOGNIZED UNIVERSITIES. CANDIDATES WHO HOLD A DEGREE FROM THE FACULTY OF EDUCATION OR FROM OTHER FACULTIES AND HAVE A MINIMUM GRADE AVERAGE OF "GOOD" MAY TEACH IN 9 ATAR SCHOOLS WITHOUT HAVING PREVIOUS TEACHING EXPERIENCE. / RADE 12 MATHEMATICS AND SCIENCE TEACHERS STUDY MORE MATHEMATICS AND SCIENCE AS THEIR SECONDARY EDUCATION MAJOR.	1 1/2 WEEKS				<THE REQUIREMENT FOR TEACHERS TO HOLD A UNIVERSITY DEGREE WAS INTRODUCED IN THE PAST 10 YEARS.>
10 ROMANIA	<TEACHERS MUST HAVE A UNIVERSITY DEGREE IN THE SUBJECT THEY TEACH.>	1 1/2 YEARS				60 CHANGE IN POLICY

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Russian Federation	Future teachers must be subject specialists. Teachers receive their education in their subjects and adolescent psychology in the Academy of Mathematics, Physics, Biology, Chemistry or Chemistry of the Pedagogical University or another university. Teachers with a Bachelor's degree can teach / grades 5-8 and those with a Master's degree can teach / grades 9-11.					The Russian Ministry of Labor approved the Professional Standard in 2011 which requires that teachers possess new competencies to work with gifted students, implement inclusive education programs, teach Russian language to non-native speakers, and work with students with developmental issues, students who are socially neglected or vulnerable, and students with serious behavioral issues.
Australia	Most teachers receive their education through a university degree program. Some have attended a teacher college program but that is becoming less common.	1 academic term,				60 change in policy
Singapore	All prospective secondary school teachers are required to complete 1 of 2 pre-service teacher education programs conducted by the National Institute of Education. Anyang Technological University can obtain either a 1-year Bachelor of Science in Education, a 1.5-year Bachelor of Science in Education, a 2-year Bachelor of Science in Education, or a 2-year Bachelor of Science in Education (Physical Education).	At least 12 weeks,		1 year		60 change in policy
South Africa	Most teachers receive their education through a university degree or diploma program.	18 weeks per year		1 year		The revised minimum requirements of teacher education qualifications policy 5: 2018 (2018), provides guidelines for initial teacher education with 2 training options. Teachers may complete a 1-year Bachelor of Education (B.Ed. degree) or complete an appropriate first degree followed by a 1-year Advanced Diploma in Education and register with the South African Council for Educators. This policy replaces the 5: 2018 of 2011 and aligns qualifications for teacher education with the Higher Education Act 95 of 1997.
Sweden	Teachers receive their education through a university teacher program.	22 weeks,				Since 2011, teachers must apply for a certificate from the Swedish National Agency for Education to obtain permanent employment and to grade students.
Turkey	Teachers receive their education through faculties of education across the country.	16 hours per week for 2 semesters,		At least 1 year		Since 2011, teachers must take a general examination completed by all public personnel and a professional teaching knowledge examination. Following the written examination, teachers must pass an oral examination to become a contract teacher.
United Arab Emirates	All teachers receive their education through a university degree program.			12 months,		60 change in policy

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UNITED STATES	IT IS COMMON FOR SECONDARY SCHOOL TEACHERS (INCLUDING / RADE % TO HOLD A BACHELOR'S DEGREE IN THEIR SPECIFIC SUBJECT AREA; A DOUBLE MAJOR IN THEIR SUBJECT AND EDUCATION; OR A MASTER'S DEGREE IN EDUCATION IN ADDITION TO THE BACHELOR'S DEGREE IN THEIR SUBJECT AREA) (L PUBLIC SCHOOL TEACHERS MUST BE LICENSED BY THE STATE IN WHICH THEY ARE TEACHING) (UNDER THE - VERY IDENT; UCCCEEDS) CT - ;) (ZL " ,) STATES HAVE THE AUTONOMY TO DETERMINE TEACHER QUALIFICATIONS FOR SPECIFIC SUBJECT AREAS BY GRADE LEVEL (IT IS COMMON FOR STATES TO REQUIRE TEACHERS TO HAVE SPECIALIZED CERTIFICATIONS (EITHER THROUGH THEIR UNDERGRADUATE PROGRAM OR THROUGH STATE/SPECIFIC PROGRAMS, BEGINNING IN MIDDLE SCHOOL ALTHOUGH SOME STATES REQUIRE SPECIALIZED CERTIFICATION FOR ELEMENTARY SCHOOL TEACHERS)	VARIABLES BY STATE; TYPICALLY 10-12 WEEKS,		VARIABLES BY STATE; TYPICALLY 1-2 YEARS,		- ;) "ZL " , REQUIRES ALL TEACHERS TO HOLD A LICENSE FOR CERTIFICATION FROM THEIR STATE AND GRANTS STATES THE AUTONOMY TO SET REQUIREMENTS FOR HIGHLY QUALIFIED TEACHERS (HIS REQUIREMENT REFLECTS A CHANGE FROM THE 60 + MID 4EFT * EHIND) CT OF ZL Z ; WHICH INCLUDED SPECIFIC FEDERALLY MANDATED REQUIREMENTS FOR ELEMENTARY, MIDDLE SCHOOL AND HIGH SCHOOL TEACHERS)
Benchmarking Participants						
7 NTARIO + ANADA	/ RADE % TEACHERS COMPLETE INITIAL TEACHER EDUCATION PROGRAMS TO OBTAIN CERTIFICATION FROM THE 7 NTARIO + COLLEGE OF TEACHERS (TEACHERS MAY BE CERTIFIED TO TEACH JUNIOR / INTERMEDIATE / RADES 1-11, OR INTERMEDIATE / ENIOR / RADES 1-12, fi	AT LEAST 100 DAYS,				; INCE ZL " , INITIAL TEACHER EDUCATION PROGRAMS DOUBLED IN LENGTH (FROM 2 TO 4) ACADEMIC SEMESTERS, AND THE MINIMUM PRACTICUM REQUIREMENTS DOUBLED (FROM 10 TO 20) DAYS. (THE 7 NTARIO + COLLEGE OF TEACHERS) CT WAS AMENDED TO INCLUDE A PROVISION REQUIRING TEACHERS TO PASS A MATHEMATICS PROFICIENCY TO TEACH IN PUBLIC SCHOOLS)
9 UEBEQ + ANADA	TEACHERS MUST HOLD A BACHELOR'S OR MASTER'S DEGREE IN TEACHER EDUCATION AND SPECIALIZE IN 1-2 (SOMETIMES 3) SPECIFIC SUBJECTS (/ RADE % MATHEMATICS AND SCIENCE TEACHERS MUST HAVE 1-2 CREDITS IN THEIR DISCIPLINE IN UNIVERSITY TRAINING)	100 HOURS,		100 HOURS,		60 CHANGE IN POLICY
5 OSOV + ITY : RUSSIAN . ED	50% TEACHERS COMPLETE IN-DEPTH TEACHER TRAINING IN THE SUBJECT AREAS THEY WILL TEACH	1 #) 12 WEEKS,				60 CHANGE IN POLICY
ALGERIA (ALGERIA)	5 YEARS AS (O)TH (FRCA)					
ESTONIA (ESTONIA)	5 YEARS AS (O)TH (FRCA)					
BAHRAIN (BAHRAIN)	5 YEARS AS (O)TH (FRCA)					
BAHRAIN (BAHRAIN)	5 YEARS AS (O)TH (FRCA)					

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