

KAUNAS UNIVERSITY OF TECHNOLOGY GYMNASIUM

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SCHOOL

KTU Gymnasium was founded in 1989 as KPI Experimental Secondary School, a public establishment aiming at creating an academically advanced schooling environment for exceptional students from Lithuania. Enrolling students from grades 9 to 12, the Gymnasium is a national leader of schooling not only in terms of secondary education, but also in raising intellectually prominent, ambitious, competent, diligent, conscientious and distinguished young individuals.

The community of KTU Gymnasium, including many esteemed teachers, experts, professors and lecturers of Kaunas University of Technology, attracts the most academically accomplished and motivated pupils by contested acceptance to the school and offers the possibilities to greatly expand their horizons, seek their personal ambitions in various spheres, prove themselves in national and international academic Olympiads (with over 70 students having won titles in global competitions), all while thoroughly mastering the mandatory secondary education programme. The steadily growing number of academic Olympiad title-holders, along with consistently excellent results in the National school-leaving examinations of Lithuania, where the results of KTU Gymnasium students yearly rank top positions amongst other Lithuanian schools, prove the school to be an academic exemplar. The status of public establishment enables the school to have a flexible nature, utilizing it to continuously improve both, the educational process and its community.

Having a remarkable foundation of socially, communally and civilly conscious individuals with firm virtues of responsibility and perennial self-improvement, KTU Gymnasium, over the course of its presence in independent Lithuania, has become a significantly substantial academic and social establishment.

TEACHERS IN THE GYMNASIUM

The teachers in the Gymnasium are highly qualified. 53 percent of teachers have a Master's degree or PhD. 19 teachers are qualified as expert teachers or university lecturers.

Criteria		Number of teachers
Professional qualification / Academic degree	Bachelor's degree and higher education (without a qualification degree)	24
	Master's degree	13
	Doctor's degree	3
Pedagogical qualification	Qualified teacher	10
	Senior teacher	9
	Teacher-methodologist	12
	Expert teacher	9
	University lecturer	10

ADMISSION

Every year, to ensure impartial admission to the school, 5 academic competitions titled MLT (Science Leaders Tournaments) and entrance exams are held for 8th grade pupils who wish to be enrolled in KTU Gymnasium. The first five students who achieved the best results in MLT are admitted without taking entrance exams. Since 2016, 10th grade pupils are invited to take entrance exams to be admitted to additional Year 11 class focusing on advanced IT teaching.

As of today, the school holds 3 classes of Year 9, 3 classes of Year 10, 4 of Year 11 and 4 of Year 12 students.

CURRICULUM

The Gymnasium is based on the principles of a European gymnasium-type school model and offers the teaching programme in accordance with the national syllabus. Year 9 and 10 students are required to study all the subjects in the curriculum. Year 11 and 12 students can choose their own programme, adhering to the rules and requirements imposed. The programme has to encompass from 28 to 35 academic hours per week and include subjects from various academic fields (such as Mathematics, Lithuanian, English, Biology, etc.). These subjects can be studied at either the extended level (A) or the standard level (B). A different number of academic hours is allocated to each subject and level. The students of IT classes are required to choose different numbers of hours.

Number*of academic hours (an academic hour lasts 45 min)

Subject	Year 9	Year 10	Year 11			Year 12		
			Level B	Level A	Level IT	Level B	Level A	Level IT
ETHICS/RELIGIOUS INSTRUCTION	1	1	1	-	-	1	-	-
LITHUANIAN (native language)	5	5	4	5	5	4	5	5
1ST FOREIGN LANGUAGE	3	3	-	-	-	-	-	-
2ND FOREIGN LANGUAGE	2	2	-	-	-	-	-	-
FOREIGN LANGUAGE B2 (CEFR)	-	-	4			4		
FOREIGN LANGUAGE B1; A2 (CEFR)	-	-	3			3		
HISTORY	2	2	2	3	3	2	3	3
GEOGRAPHY	2	2	2	3	-	2	3	-
CITIZENSHIP	1	1	-	-	-	-	-	-
MATHEMATICS	5	5	3	5	6	3	6	6
INFORMATION TECHNOLOGIES	1	1	1	2	4	1	2	4
TECHNOLOGIES (programmed instruction, publishing, design)	1	1	-	-	-	-	-	-
PHYSICS	2	2	2	3	-	2	4	-
BIOLOGY	2	2	2	3	-	2	3	-
CHEMISTRY	2	2	2	3	-	2	3	-
ARTS	1	1	2	-	-	2	-	-
MUSIC	1	1	2	-	-	2	-	-
PHYSICAL EDUCATION	2	2	2	-	-	2	-	-
ECONOMICS	1	-	2			2		
SOCIAL SERVICE	15**	15**	20**			10**		

*new curriculum from 2017

**minimum number of hours per year

CALENDAR FOR 2019-2020 SCHOOL YEAR

School Year 2019-2020			
	I	II	III
	IV		
The beginning of the school year	09-02		
Duration of the semesters	The 1 st Semester: 09-02 – 01-17 The 2 nd Semester: 01-20 – 06-23		The 1 st Semester: 09-01 – 01-17 The 2 nd Semester: 01-20 – 05-22
Autumn holidays	10-28 – 10-31		
Winter (Christmas) holidays	12-23 – 01-03		
Winter holidays	02-17 – 02-21		
Spring (Easter) holidays	04-14 – 04-17		
The end of the school year	06-23		05-22
The length of the education process in days	185		163
Summer holidays	06-18 – 08-31		05-28 – 08-31

GRADING SYSTEM

Students are assessed on a ten-point grading scale, where 10 is the highest grade. 10 is regarded as excellent, 9 and 8 indicates good results, 7 and 6 imply average, while 5 and 4 are regarded as lowest passing grades, 3-1 are considered as failing grades. Continuous assessment is practised over the course of a semester. The grade average of every subject is given at the end of each semester. At the end of the school year, students are given final grades, which are the averages of both semesters.

GRADUATION

To be awarded the Maturity Certificate (Brandos Atestatas) students must take exams. To enter higher educational institutions the school-leavers have to pass at least 3 exams. A student can take the maximum number of 6 exams.

ALUMNI

KTU Gymnasium Alumni Association (KTU Gimnazijos Alumni Draugija) was founded in 2008 with the aim of uniting KTU Gymnasium graduates. The main objectives of the Association are

- to encourage and maintain relationships among KTU Gymnasium graduates as well as their relations with the Gymnasium;
- to contribute to the development of KTU Gymnasium;
- to defend the rightful interests of KTU Gymnasium Alumni.

The Association has been the founder and the sole sponsor of the annual *Teacher of the Year* award since 2006. The Association operates under the supervision of the members of the board, Marijus Kalesinskas, Nerijus Žumbakys and Mindaugas Butkus (president).

RESULTS OF NATIONAL SCHOOL-LEAVING EXAMINATIONS

Due to exceptionally high results of all state examinations, KTU Gymnasium is constantly among the three top schools in Lithuania. In recent years, the highest evaluations were received in state examinations of English, Information Technology and Natural Sciences. The results of all subjects are among top ten results in Lithuania. In 2019, KTUG students received 152 highest evaluations, which is 100.

To apply to a university in Lithuania, a school-leaver has to pass three mandatory examinations: Lithuanian, Mathematics and a foreign language (English, French or German). The most popular optional exams are Information Technology, Chemistry and Biology.

Subject	2019			2018			2017			2016		
	Total	100	Average	Total	100	Average	Total	100	Average	Total	100	Average
English	91	67	98,4	89	52	97,6	77	46	97,7	76	33	96,1
Lithuanian	96	7	73,1	94	2	72,0	77	10	77,3	77	8	76,2
Mathematics	96	26	83,4	94	16	81,9	77	46	94,9	76	18	88,3
Chemistry	39	12	91,1	44	3	85,2	35	7	89,9	31	3	90,2
Biology	29	6	91,0	34	8	93,7	27	4	92,6	24	-	90,0
IT	45	26	94,7	36	24	96,8	15	6	92,4	14	8	96,2
History	19	-	83,7	15	1	87,3	15	1	91,9	23	-	76,6
Physics	19	5	87,7	27	1	78,4	14	4	90,2	16	2	88,7
Geography	7	2	86,9	2	2	100	-	-	-	2	-	94,5
German	1	1	100	3	3	100	-	-	-	-	-	-
Total	337	152	89,0	438	112	89,3	337	124	90,9	339	72	88,5

CHOICES OF SCHOOL-LEAVERS IN 2015-2019

The dynamics of choosing studies after having finished secondary education.

Year	Place of studies (%)			Type of studies (%)		
	Lithuania	Foreign countries	No data	Higher university	Higher non-university	Vocational
2019	52	34	14	100	0	0
2018	57	39	4	100	0	0
2017	64	27	9	100	0	0
2016	73	24	3	100	0	0
2015	61	34	5	100	0	0

The dynamics of study choice shows that all the Gymnasium school-leavers who decide to continue their studies choose tertiary education institutions. This reflects the purpose of the Gymnasium - the school is oriented towards the Lithuanian students with high academic achievements in the fields of Physical and Technological sciences. Majority of the Gymnasium school-leavers continue their studies in Lithuania and only one- third of KTUG graduates pursue their studies abroad.

CHOICES OF STUDY FIELDS BY SCHOOL-LEAVERS, 2015-2019

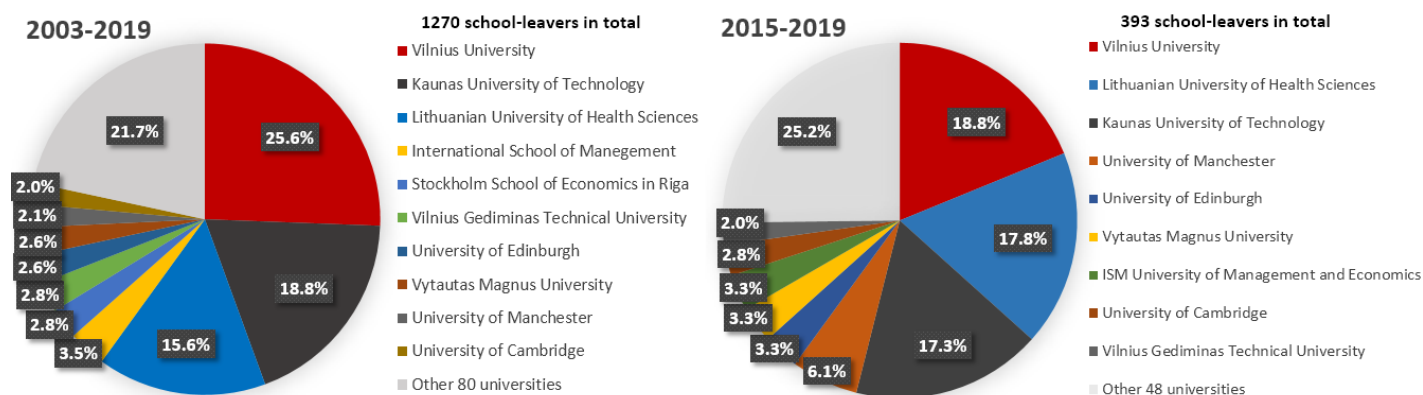
Technology and Biomedical sciences remain as the most popular fields of study among the Gymnasium students.

Graduation year	Biomedical Sciences	Physical Sciences	Technology Sciences	Social Sciences	Humanitarian Studies	Arts	No data	Grand Total
2019	17	10	26	16	9	3	14	95
2018	27	5	39	14	-	6	3	94
2017	23	10	19	11	2	5	7	77
2016	17	21	7	20	6	4	2	77
2015	30	10	14	14	5	3	4	80

CHOICES OF HIGHER INSTITUTIONS BY SCHOOL-LEAVERS SINCE 2003

The results have been public since the general qualification of higher education system was implemented in Lithuania in 2003. In total, 1270 pupils have graduated from the Gymnasium ever since.

Note: the diagram provided below excludes the students who have chosen a gap-year or refused to provide information.



WINNERS OF NATIONAL OLYMPIADS IN 2016-2019

KTU Gymnasium students received 102 titles in National Olympiads and competitions.

Subject	2019				2018				2017				2016			
	I	II	III	H.c.	I	II	III	H.c.	I	II	III	H.c.	I	II	III	H.c.
Chemistry	5	5	7	4		3	5	2	4	6	4	4	6	4	4	7
Information sciences	5	5	5		4	4	5	2	2	5	5	2	3	2	2	
Physics and astronomy	4	8	10	4	2	4	10	4	4	7	7	2	5	5	5	1
Mathematics	3	4	7	1	7	15	6	3	6	6	6	6	4	1	8	
Economics	2	4	1		2	5	2	1	1	1	1		1	1		1
Biology	2		2	1	1		2		1	1	2	1			4	
Geography	1	2	2		3		1		1	1	1				2	1
Natural and Earth sciences	1	1	1		1					2	1		2			
English	1	1														
Philosophy		1														
French		1					1						1			
Russian		1								1	1				1	
Debates						1									1	1
Lithuanian							1			1					1	
Latin language & Antique culture									1		1		1	1	1	
Law									1				1			
History														1		
Total	24	33	35	10	20	31	33	12	21	31	29	15	24	15	29	11
	102				96				96				79			

WINNERS OF INTERNATIONAL OLYMPIADS

Teaching exceptionally gifted students is a prioritized sphere of education that enables students to utilize their full potential and talent. Pupils representing the Gymnasium have won 119 medals and 22 honorary certificates in global student Olympiads:

Subject	Gold	Silver	Bronze	Honorary certificate
Chemistry	5	10	8	2
Natural sciences	4	19	13	-
Debates	2	-	1	-
Mathematics	1	2	11	14
Physics and astronomy	1	1	4	5
History and philosophy	1	-	1	1
Information sciences	-	11	11	-
Biology	-	1	8	-
Geography	-	3	1	-
Total	14	47	58	22

Achievements of students of Kaunas University of Technology Gymnasium in international competitions

N.	Gold	Silver	Bronze	Honorary certificate
1	Mendeleev chemistry Olympiad / 2019 / Russia	Information sciences / 2019 / Azerbaijan	Natural sciences / 2019 / Qatar	Mathematics / 2019 / United Kingdom
2	Chemistry / 2017 / Thailand	Information sciences / 2019 / Azerbaijan	Natural sciences / 2019 / Qatar	Philosophy / 2019 / Italy
3	Mendeleev chemistry Olympiad / 2017 / Kazakhstan	Geography / 2019 / Hong Kong	Natural sciences / 2019 / South Korea	Chemistry / 2018 / Czech & Slovakia
4	Natural sciences / 2015 / Austria	Chemistry / 2019 / France	Chemistry / 2019 / France	Mathematics / 2018 / Romania
5	History / 2014 / Estonia	Natural sciences / 2019 / Portugal	Biology / 2019 / Hungary	Physics / 2017 / Indonesia
6	Natural sciences / 2012 / Lithuania	Natural sciences / 2019 / Portugal	Biology / 2019 / Hungary	Mathematics / 2017 / Brasil
7	Debates / 2010 / Netherlands	Information sciences / 2018 / Japan	Mendeleev chemistry Olympiad / 2019 / Russia	Mathematics / 2016 / Hong Kong
8	Chemistry / 2010 / Japan	Geography / 2018 / Canada	Natural sciences / 2018 / Botswana	Mathematics / 2013 / Columbia
9	Natural sciences / 2008 / Cyprus	Geography / 2018 / Canada	Information sciences / 2018 / Japan	Physics / 2011 / Thailand
10	Natural sciences / 2008 / Cyprus	Biology / 2018 / Iran	Natural sciences / 2018 / Thailand	Mathematics / 2010 / Kazakhstan
11	Astrophysics / 2008 / Indonesia	Natural sciences / 2017 / Denmark	Physics / 2018 / Portugal	Mathematics / 2009 / Germany
12	Chemistry / 2008 / Hungary	Natural sciences / 2017 / Denmark	Chemistry / 2018 / Czech Republic & Slovakia	Physics / 2009 / Mexico
13	Mathematics / 2007 / Vietnam	Natural sciences / 2017 / Denmark	Mathematics / 2018 / Romania	Mathematics / 2008 / Spain
14	Global debates / 2005 / Macedonia	Natural sciences / 2017 / Denmark	Mendeleev chemistry Olympiad / 2018 / Belarus	Chemistry / 2007 / Russia
15		Natural sciences / 2016 / Indonesia	Natural sciences / 2018 / Slovenia	Mathematics / 2006 / Slovenia
16		Chemistry / 2016 / Georgia	Natural sciences / 2017 / Netherlands	Mathematics / 2005 / Mexico
17		Natural sciences / 2016 / Estonia	Geography / 2017 / Serbia	Mathematics / 2004 / Greece
18		Natural sciences / 2016 / Estonia	Information sciences / 2017 / Iran	Mathematics / 2003 / Japan
19		Natural sciences / 2016 / Estonia	Natural sciences / 2016 / Indonesia	Physics / 1999 / Italy
20		Mendeleev chemistry Olympiad / 2016 / Russia	Natural sciences / 2015 / South Korea	Mathematics / 1996 / India
21		Natural sciences / 2014 / Greece	Natural sciences / 2015 / South Korea	Physics / 1996 / Norway
22		Chemistry / 2014 / Vietnam	Natural sciences / 2015 / South Korea	Mathematics / 1995 / Canada
23		Natural sciences / 2013 / India	Chemistry / 2015 / Azerbaijan	
24		Natural sciences / 2013 / Luxembourg	History / 2014 / Estonia	
25		Chemistry / 2013 / Russia	Mathematics / 2014 / South Africa	
26		Chemistry / 2013 / Russia	Mendeleev chemistry Olympiad / 2014 / Russia	
27		Information sciences / 2012 / Latvia	Biology / 2013 / Switzerland	
28		Chemistry / 2012 / USA	Natural sciences / 2012 / Iran	
29		Natural sciences / 2011 / Czech Republic	Biology / 2012 / Singapore	
30		Chemistry / 2011 / Turkey	Biology / 2012 / Singapore	
31		Information sciences / 2011 / Thailand	Information sciences / 2012 / Italy	
32		Natural sciences / 2010 / Sweden	Natural sciences / 2011 / South Africa	
33		Natural sciences / 2010 / Sweden	Debates / 2011 / Turkey	
34		Natural sciences / 2010 / Sweden	Biology / 2011 / Taiwan	
35		Natural sciences / 2010 / Sweden	Biology / 2011 / Taiwan	
36		Information sciences / 2010 / Canada	Biology / 2010 / South Korea	
37		Mendeleev chemistry Olympiad / 2010 / Azerbaijan	Mathematics / 2010 / Kazakhstan	
38		Chemistry / 2010 / Japan	Chemistry / 2009 / United Kingdom	
39		Natural sciences / 2009 / Azerbaijan	Astrophysics / 2008 / Indonesia	
40		Mathematics / 2009 / Germany	Physics / 2008 / Vietnam	
41		Information sciences / 2009 / Bulgaria	Chemistry / 2008 / Hungary	
42		Information sciences / 2008 / Egypt	Mathematics / 2008 / Spain	
43		Astrophysics / 2007 / Thailand	Information sciences / 2007 / Croatia	
44		Information sciences / 2007 / Croatia	Mathematics / 2006 / Slovenia	
45		Information sciences / 2006 / Mexico	Mathematics / 2006 / Slovenia	
46		Information sciences / 2000 / China	Information sciences / 2005 / Poland	
47		Mathematics / 1996 / India	Mathematics / 2003 / Japan	
48			Mathematics / 2002 / Scotland	
49			Mathematics / 2000 / South Korea	
50			Mathematics / 1999 / Romania	
51			Information sciences / 1999 / Turkey	
52			Information sciences / 1998 / Portugal	
53			Information sciences / 1998 / Portugal	
54			Physics / 1997 / Canada	
55			Mathematics / 1997 / Argentina	
56			Information sciences / 1993 / Argentina	
57			Information sciences / 1992 / Germany	
58			Information sciences / 1992 / Germany	

Mathematics
Natural sciences
Information sciences
Chemistry
Physics and astrophysics
Biology
History and philosophy
Debates
Geography