QUESTIONNAIRE

1	Your faculty (precise name):	\neg
1.	Tour faculty (precise name).	닉
2.	Field of your studies (precise name):	\dashv
3.	Visited semester:	
	OK 1: SELECTION OF UNIVERSITY AND ACCEPTATION FOR UNIVERSITY UDIES	
4.	Did you go to the university studies directly after you left from the secondary education or you have a one- or more-year-lasting break between your secondary and university studies? 1 = directly after my leaving of secondary education 2 = with one-year-lasting break 3 = with longer break (two and more years) 4 = other, please specify:	
5.	Are those university studies your first one or you attended some another university or field of studies before this one: 1 = this is my first university studies 2 = I have been a student of another field of studies at this university before 3 = I have been a student of the same field of studies at another university before 4 = I have been a student of another field of studies at another university before	
6.	Did you accept for those studies in the standard way and at the first go, or your entrance to the university proceeded in another regime? 1 = at the first go without entrance process (on the base of my good marks/grads) 2 = at the first go in the standard way 3 = at the first go as a substitute/replacement 4 = I had to repeat an entrance examination 5 = other, please specify:	
7.	What were the main reasons you enrolled this particular field of university studies? Please choose the maximum 3 of most relevant reasons and put their numbers in a marked space: 1 = family traditions 2 = long-term interest in this field of studies /discipline 3 = long-term interest in subjects which is possible to study in this university/faculty 4 = availability of university in my place of residence and his neighbourhood 5 = I was not accepted for another university/ field of studies which was my priority 6 = because this university accepted me on the base of my good marks (without entrance examination) 7 = general perspectives of this field/discipline in future 8 = chance for an interesting work career 9 = chance to obtain a good paid job 10 = recruitment made by university (at secondary school, in mass media and so on) 11 = influence of surroundings (request or recommendation of some person in your surroundings – parents, teachers, and so on) 12 = other, please specify:	
	1 st reason: 2 nd reason: 3rd reason:	

8. If you choose in the preceding question the influence of some person in your surroundings: Specify who were he/she/they?

	Yes	No, do not concern	
a) Mother	1	2	
b) Father	1	2	
c) Another female family member/ relative	1	2	
d) Another male family member/ relative	1	2	
e) Female teacher	1	2	
f) Male teacher	1	2	
g) Female counsellor at secondary school	1	2	
h) Male counsellor at secondary school	1	2	
i) Female peer/ friend	1	2	
j) Male peer/ friend	1	2	
k) Somebody else, who:	1	2	

9.	Was somebody in your surroundings that discouraged you from pursuing this field of studies ? $1 = yes$ $2 = no$	
10.	If yes: What arguments he/ she used? Please specify:	
11.	In many cases notions of young people about their studies differ from the field of studies they attend. In which level your present university studies correspond to your notion (dream, interest) what would you like to study highly? 1 = completely correspond 2 = partially correspond	
	3 = not at all correspond 8 = I had not concrete notion about my studies 9 = I do not know	
12.	If your current studies correspond with your notion only partially or not at all: Could you say what university/ field of studies did you prefer? According to the specialisation there were studies from the field: 1 = natural sciences 2 = engineering and technology 3 = medical sciences 4 = agricultural sciences 5 = social sciences 6 = humanities 7 = other, please specify:	
13.	And: Why don't you attend university/ field of studies which you interested in primarily? Choose the only most relevant reason (only 1). Because: 1 = I had not marks/grades for the prefer university/ field of studies 2 = my parents did not want I attend that university/ field of studies 3 = I had some health problems (including the invalidity) 4 = I did not fail an entrance examination 5 = my family had not money for the willing university/ field of study 6 = I had to go at the university where it is possible to assume a good career and earning 7 = I was not accepted due to the lack of free places 8 = this type of university was not in my place of residence and his neighbourhood 9 = other, please specify:	

BLOK 2: PREVIOUS EDUCATION, SCHOOLS

14. Education before your u		say, what subjects were your favourite			
a) At the primary school th		b) At the secondary school there were:			
1 st favourite subject:		1 st favourite subject:			
2 nd favourite subject:		2 nd favourite subject:			
3 rd favourite subject:		3 rd favourite subject:			
15. Try to remember what n and secondary schools?	:	r case from the next subjects at primary			
	Prevailed mark at PRIMARY SCHOO	Prevailed mark L at SECONDARY SCHOOL			
a) Mathematics					
b) Physics	••••				
c) Chemistry					
d) Biology					
e) Computer sciences (IT)					
f) Foreign languages					
3 = technical school – orient 4 = secondary school for hea 5 = secondary agricultural se 6 = secondary commercial s 7 = secondary teacher-traini 8 = conservatoire 9 = secondary school for lib 10 = other, please specify: 17. What were the main reas relevant reasons maximal 1 = family traditions 2 = long-term interest in this 3 = long-term interest in sub 4 = availability of this type of	ted to mechanical engineering, of the to another field/ discipline falth-workers (chool (+ forestry)) (chool (hool	of secondary school? Select three the most marked space: in this type of secondary school of residence and his neighbourhood			
6 = because this secondary sexamination) 7 = general perspectives of t 8 = chance for interesting ca 9 = chance to obtain a good 10 = recruitment made by se 11 = influence of surroundir teachers,) 12 = other, please specify:	this field in the future ureer paid job econdary school ngs (request or recommendation	of my good marks (without entrance of some person in your surroundings – parents,			
2 = partially correspond					
3 = not at all correspond					
8 = I had not concrete notion	n about study				
9 = I do not know	9 = I do not know				

- 20. From which of following subjects did you make school-leaving examination (maturita) and what marks did you obtained:

	Yes	No	If yes, what mark did you obtained - write:	
a) Mathematics	1	2		
b) Physics	1	2		
c) Chemistry	1	2		
d) Biology	1	2		
e) Computer sciences (IT)	1	2		
f) Foreign languages	1	2		

21. Try to remember **who educated you following subjects** at primary and secondary schools – **man or woman**? In the case of heterogeneous situation mark what sex prevailed:

	Male teacher	Female teacher	er Do not concern		
I. At the primary school:			(without this subject)		
a) Mathematics	1	2	9		
b) Computer sciences (IT)	1	2	9		
c) Physics	1	2	9		
II. At the secondary school:					
a) Mathematics	1	2	9		
b) Computer sciences (IT)	1	2	9		
c) Physics	1	2	9		

22. Please evaluate availability and attending of optional lessons and special circles/courses from the technical and natural-sciences subjects (TNS) did you attend at primary and secondary schools):

	Available, but	Available and	Not available	
I. At the primary school:	not attending	attending	at the school level	
a) optional lessons (TNS)	1	2	3	
b) special circles (TNS)	1	2	3	
II. At the secondary school:				
a) optional lessons (TNS)	1	2	3	
b) special circles (TNS)	1	2	3	

23.	When you had some studying problem during your education (at primary and secondary	
	school) – you had something unclear or dilemma and so on – did you consult it with somebody	
	or not?	
	1 = no, I was trying it out on my own	
	2 = yes, I was discussing it with a teacher	
	3 = yes, I was consulting it with one of my parents	
	4 = other, please specify:	

24. What was the way of education in the following subjects at primary and secondary schools? Try to evaluate way of education by one word.

	At the primary school	At the secondary school	
a) Mathematics			
b) Physics			
c) Chemistry			
f) Computer sciences (IT)			

BLOK 3: GENDER DIFFERENCES – STUDIES, OPINIONS

25. Looking at your present college experience, have you encountered any of the following situations?

:	Yes	No	
a) surprise reaction that a girl is studying this kind of specialization	1	2	
b) surprise reaction that a boy is studying this kind of specialization	1	2	
c) negative, ironic remarks about the girls	1	2	
d) negative, ironic remarks about the boys	1	2	
e) teachers treating the girls unfairly (higher expectations,)	1	2	
f) teachers treating the boys unfairly (higher expectations,)	1	2	
g) teachers being more lenient towards the girls (letting them get away with more,)	1	2	
h) teachers being more lenient towards the boys (letting them get away with more,)	1	2	

1) teachers treating the boys unfairly (higher expectations,)		1		
g) teachers being more lenient towards the girls (letting them get away with more,))	1	2	
h) teachers being more lenient towards the boys (letting them get away with more,)	1	2	
26. Do you think that there are such study requirements at your faculty/departed difficultly met by females or males , or there are no such differences in the same requirements are more difficult to meet for females are more difficult to meet for males are requirements are more difficult to meet for males are requirements do not differ in this respect are other, please specify: 9 = cannot determine	artment tha		ore	
 27. Do you ever encounter the view that "women are not suitable for this f I encounter this/similar view: 1 = very often 2 = quite often 3 = seldom 4 = never 	ield of stud	dy"?		
28. Do you ever encounter the view that "building a career in a techni women should take care of the family"? I encounter this/similar view 1 = very often 2 = quite often 3 = seldom 4 = never		s for me	en and	
29. Do you know some women who have achieved substantial success in field and can serve as role models? 1 = yes, several 2 = yes, one 3 = no, I do not know any	science or	the tec	chnical	
30. <u>If you know such woman/women:</u> can you tell us more about her/theirname/s, differentiate between historical and present fig successes):	ures, list	career	area,	
				\vdash

31. To what extent do you agree/disagree with the following statements about women specializing in your field of study? Please use marks 1 = strongly disagree, through 5 = strongly agree:

[:	1 = strongly			ongry	5 = strongly]
	disagree	2	3	4	agree	
a) Women generally have lower ambitions to become scientists and developers	1	2	3	4	5	
b) The technical field is positively a male domain	1	2	3	4	5	
c) Women themselves avoid certain specializations because they are considered unfeminine	1	2	3	4	5	
d) There are greater opportunities for men in technical research because their ideas and thinking are more original and creative	1	2	3	4	5	
e) Women prefer taking care of the family over a career in the technical field	1	2	3	4	5	
f) Men with technical education have an easier time finding a job because they are preferred by employers	1	2	3	4	5	
g) Women lack the needed skills in order to find jobs in the technical field	1	2	3	4	5	
h) In general, men identify themselves with their career in the technical field more than women	1	2	3	4	5	

32. Here are several situations from college environment. Please indicate your opinion whether the female students at your college/university are on the same level as male students in these situations, or they are favored/disadvantaged. When taking into account...:

	Men are definitely favored	Men are generally favored	Women and men are equal	Women are generally favored	Women are definitely favored	
a) university admission	1	2	3	4	5	
b) engagement in projects	1	2	3	4	5	
c) scholarship allotment	1	2	3	4	5	
d) opportunities in scientific work	1	2	3	4	5	
e) access to laboratories	1	2	3	4	5	
f) the choice of senior thesis consultant	1	2	3	4	5	
g) membership in academic bodies	1	2	3	4	5	
h) selection of interns in companies	1	2	3	4	5	
i) selection of interns for work abroad	1	2	3	4	5	
j) other, please specify:	1	2	3	4	5	

33. According to statistics, the number of women working in the technical field is substantially lower than the number of men. What, in your opinion, influences this situation? Please use marks 1 = no influence, through 5 = great influence:

	1 = no influence	2	3	4	5 = great influence	
a) The education in technical studies is adjusted to men	1	2	3	4	5	
b) Low support and recognition of work of women in this field	1	2	3	4	5	
c) The criteria of academic advancement is more convenient for	1	2	3	4	5	
men						
d) Men gain critical advantage over women, when they have	1	2	3	4	5	
babies						
f) The nature of work in the technical field is more convenient	1	2	3	4	5	
for men than women						
g) The lack of good role models - women technologists	1	2	3	4	5	
h) Lower participation of women in technical research	1	2	3	4	5	
i) Taking care of the family prevents women from getting fully	1	2	3	4	5	
involved in their professional career						
j) Women have no interest in technology	1	2	3	4	5	
k) Other, please specify:	1	2	3	4	5	

34. When talking about technical specializations, do you the of opportunities of women and men more than it has 1 = definitely necessary 2 = yes				
3 = no 4 = definitely unnecessary				
9 = I do not know				
BLOK 4: INTERESTS AND LEISURE				
35. Mark the activities you did during your childhood an		I a		
a) Operating technical appliances in your household during	Never	Seldom 2	Several times	Regularly 4
childhood	1		3	
b) "Helping out" with various repairs in the household	1	2	3	4
c) Visit of an exhibition with a technological theme	1	2	3	4
d) Museum visit to see machinery	1	2	3	4
e) Participation at workshops with a technological theme	1	2	3	4
f) Participation in a ceramics after-school activity	1	2	3	4
g) Participation in a science after-school activity h) Summer camps with a technical skills theme (work with PC)	1	2 2	3 3	4
i) Participation at a mathematics competition	1	2	3	4
j) Participation at a science competition	1	2	3	4
k) Other activity with focus on technology, please list:	1	2	3	4
 36. From what age were you allowed to work on the com Indicate approximate age:			ties:	
38. Do you speak a foreign language well enough to be language? 1 = yes, one language 2 = yes, several 3 = no, none	e fluent ir	it and ab	le to read texts	in this
39. What is the level of your computer skills? Please u skills:			_	ccellent
1 2 3 4 5 6 None	7	8	9 10 Excellent sk	ills
40. In everyday life , do you consider yourself to be a tech 1 = I am definitely a technical type 2 = I am a technical type in most respects 3 = I am more of a non-technical type 4 = I am definitely a non-technical type 9 = I cannot determine	nical or n	on-technic	cal type?	

41. How would you asses your academic resu 1 = excellent 2 = good 3 = average 4 = below average	llts until now? They are			
5 = bad				
42. Do you fear the following situations in th	e course of this semeste	er?		
	Yes		No	
a) I will not get the needed number of credits	1		2	
b) I will not pass an exam	1		2	
c) I will fail to hand in a writing assignment	1		2	
43. Can you indicate your favourite subjects/ 1 st :	courses:			
44. How many subjects/courses have you sig	ned up for in this semes	ter:		
45. Does your current study program meet y requirements, etc.? 1 = meets them fully 2 = generally meets them 3 = generally does not meet them 4 = does not meet them at all	our original expectatio	ns when it comes	to its content,	
46. If you had the opportunity to transfer to a 1 = I surely would 2 = I would 3 = I would not 4 = I definitely would not 5 = I do not know, I have not thought about it	nother college/universi	ty , would you?		
47. Did you have to repeat a grade at any tim 1 = no, never 2 = once 3 = several times	e during your studies?			
48. <u>If so:</u> Can you indicate the main reason fo 1 = maternity leave 2 = a study-abroad program 3 = a longer visit of another country (not study 4 = illness 5 = study problems 6 = other, please specify:	related)			
49. Do you or have you participated in the fo	llowing activities durin	g vour college st	udies::	
	Never	Seldom	Regularly	
a) summer study program	1	2	3	\dashv
b) student parliament	1	2	3	+
c) academic senate	1	2	3	+
,				
d) summer internship	1	2	3	

e) participation in the Student Specialized Scientific Activities Program (ŠVOČ)

f) other, please specify:

3

2

1

- 50. If you have participated in ŠVOČ: Can you indicate the achieved results?
 - 1 = my work was awarded 1st prize
 - 2 = my work was among the awarded ones, but not 1^{st}
 - 3 = my work was not awarded

51. Please determine to what extent **you can be characterized by the following traits**? Please use marks 1 = does not apply, through 5 = applies fully:

	1 = does not apply	2	3	4	5 = applies fully	
a) Creativity	1	2	3	4	5	
b) Rationality, logical thinking	1	2	3	4	5	
c) Intuition, imaginativeness	1	2	3	4	5	
d) Interest in machinery	1	2	3	4	5	
e) Operating skills	1	2	3	4	5	
f) Decisiveness, courage	1	2	3	4	5	
g) Self-confidence	1	2	3	4	5	
h) Diligence	1	2	3	4	5	
i) Competitiveness	1	2	3	4	5	
j) Team work	1	2	3	4	5	
k) Perseverance	1	2	3	4	5	

52. If you **compare yourself with the WOMEN** in your course/activity program, how would you rate yourself in respect to the following? Please use marks 1 = strongly disagree, through 5 = strongly agree:

	1 = strongly disagree	2	3	4	5 = strongly agree	
a) I spend more time and effort on the semester assignments	1	2	3	4	5	
b) I understand the discussed terminology and theories better	1	2	3	4	5	
c) I can solve the assigned problems better	1	2	3	4	5	
d) I can cooperate with others better	1	2	3	4	5	
e) I have more self-confidence in my skills	1	2	3	4	5	
f) other, please specify:	1	2	3	4	5	

53. If you **compare yourself with the MEN** in your course/activity program, how would you rate yourself in respect to the following? Please use marks 1 = strongly disagree, through 5 = strongly agree:

	1 = strongly disagree	2	3	4	5 = strongly agree	
a) I spend more time and effort on the semester assignments	1	2	3	4	5	
b) I understand the discussed terminology and theories better	1	2	3	4	5	
c) I can solve the assigned problems better	1	2	3	4	5	
d) I can cooperate with others better	1	2	3	4	5	
e) I have more self-confidence in my skills	1	2	3	4	5	
f) other, please specify:	1	2	3	4	5	

BLOK 6: FUTURE CAREER EXPECTATIONS

54. To what extent do you consider the **following important for your future career**? Please use marks 1=not important, through 5=very important:

, , ,	1 = not				5 = very	
	important	2	3	4	important	
a) Participation in scientific, technological and intellectual development	1	2	3	4	5	
b) Development of new technological solutions for the good of	1	2	3	4	5	
humankind						
c) Development of new technological solutions for environment	1	2	3	4	5	
protection						

55.	Do you have a particular idea of what you would like to do immediately after graduating from college/university? Please choose 3 most preferred activities: 1 = Professional career in my field of study	
	2 = Earning money (any profession)	
	3 = Entertainment and travel	_
	4 = Spending time with my partner/spouse	
	5 = Starting a family (household, children)	
	6 = Further education in the Slovak Republic	
	7 = Education abroad	
	$1^{st}: 2^{nd}: 3^{rd}:$	
56.	. Do you think that you have sufficient information about the opportunities in your future	
	career?	
	1 = yes, I have sufficient information	
	2 = no, I do not have sufficient information	

57. Which of **the below would you like to do?** Please use marks 1 = definitely not, through 5 = definitely yes:

	1 = Definitely ves	2	3	4	5 = Definitely not	
a) Teach at a college/university	1	2	3	4	5	
b) Develop my academic career	1	2	3	4	5	
c) Teach at a high school	1	2	3	4	5	
d) Work in research and development	1	2	3	4	5	
e) Work in production/manufacturing	1	2	3	4	5	
f) Manage a team	1	2	3	4	5	
g) Work as manager	1	2	3	4	5	
h) Work abroad	1	2	3	4	5	
i) Work in a different area from my field of study	1	2	3	4	5	
j) Work for a transnational corporation	1	2	3	4	5	
k) Other, please specify:	1	2	3	4	5	

58. What is your **primary expectation from your future career?** Please use marks 1=not important, through 5=very important:

	1 = not important	2	3	4	5 = very important	
a) The opportunity to utilize my skills and potential	1	2	3	4	5	
b) Good financial assurance	1	2	3	4	5	
c) Long term/permanent job	1	2	3	4	5	
d) To achieve something	1	2	3	4	5	
e) Interesting job tasks	1	2	3	4	5	
f) Satisfaction from work	1	2	3	4	5	
g) Stress-free work	1	2	3	4	5	
h) To be respected	1	2	3	4	5	
I) Other, please specify:	1	2	3	4	5	

59. Do you think that there are any difficulties/pro choose the maximum of 3 expected problems:	blems connec	eted to yo	our futu	re caree	r? Please	
1 = Long workday						
2 = Stress						
3 = Too much responsibility4 = Not enough time to be with children						
5 = Too much work						
6 = Too much competition among co-workers						
7 = Monotonous work						
8 = Other, please specify:						
		1 st :	2 nd :	3 rd :	•••••	
60. What, in your opinion, does getting a good job in 1 = my knowledge 2 = my skills 3 = good contacts 4 = luck 5 = other, please specify:						
BLOK 7: ATTITUDES TOWARDS SCIENCE AN 61. To what extent do you agree with the following of science and technology? Please use marks 1 =	statements a	bout the				
	1 = do not	w wii, vii	l cugn c	Julia	5 = strongly	1
	agree at all	2	3	4	agree	
a) Science and technology are the foundation of human progress	1	2	3	4	5	
b) Science and technology are an important part of the intellectual evolution of humankind	1	2	3	4	5	
c) Science and technology present a danger to the environment	1	2	3	4	5	
d) Science and technology lessen the differences between developed countries	1	2	3	4	5	
e) Science and technology presently cannot develop without considering ethical issues	1	2	3	4	5	
f) Science and technology increase the differences between developed and underdeveloped countries	1	2	3	4	5	
g) Science and technology are a threat to our future	1	2	3	4	5	
h) Science and technology are more appropriate for men than women	1	2	3	4	5	
62. Based on your experiences, what would you a their field of study and professional caree specialization or would you advise them against it 1 = I would recommend this specialization 2 = I would advise against it 3 = other, please specify: 9 = I do not know 63. Your comments to the issues girls or women in t	er? Would y t?	ou advi	se them	to take	e up this	

BLOK 8: SOCIO-DEMOGRAPHICAL CHARACTERISTICS (RESPONDENT, PARENTS)

64. How old are you (your age):	
65. Sex: 1 = man 2 = woman	
66. Typ Vášho trvalého bydliska : 1 = dedina 2 = malé mesto 3 = okresné mesto 4 = krajské mesto 5 = hlavné mesto	

67. What is the highest level of education completed by your parents and grandparents:

	Primary school	Vocation al school	Secondar y school	Bachelor degree	Master degree	Science Degree	Not applicable	
a) mother	1	2	3	4	5	6	9	
b) father	1	2	3	4	5	6	9	
c) maternal grandmother	1	2	3	4	5	6	9	
d) paternal grandmother	1	2	3	4	5	6	9	
e) maternal grandfather	1	2	3	4	5	6	9	
f) paternal grandfather	1	2	3	4	5	6	9	

68. Does anyone in your family have similar/same education to the one you are currently taking	
up ? 1 = yes	
2 = no	

69. <u>If any of your relatives has similar/same education:</u> Please indicate **who and whether they also work in that field:**

	Has similar/same education but does not work in the field	Has similar/same education and does work in the field	Does not have similar/same education	
a)mother	1	2	9	
b) father	1	2	9	
c) grandmother	1	2	9	
d) grandfather	1	2	9	
e) older sister	1	2	9	
f) older brother	1	2	9	
g) aunt	1	2	9	
h) uncle	1	2	9	
i) other, please specify who:	1	2	9	

THANK YOU VERY MUCH!