

Приложение 1
к квалификационным требованиям,
предъявляемым к образовательной
деятельности, и перечню документов,
подтверждающих соответствие им
Форма

Сведения о наличии фонда учебной и научной литературы
6В06201 «Радиотехника, электроника и телекоммуникации»
(наименование организации образования) (по состоянию на _____)

№ п/п	Дисциплины образовательных программ направления подготовки кадров	Учебная литература		Учебно-методическая литература		Научная литература		Сведения об ежегодном обновлении фонда учебной литературы, а также год приобретения литературы
		в печатном формате (название, авторы, язык издания) *	в электронных изданиях (название, авторы, язык издания)	в печатном формате (название, авторы, язык издания) *	в электронных изданиях (название, авторы, язык издания)	в печатном формате (название, авторы, язык издания)	в электронных изданиях (название, год издания, авторы, язык издания)	
1.	Современная история Казахстана	Modern History of Kazakhstan : approved by the University Academic Council as a tutorial / A. S. Sagatova, K. S. Tleugabylova, N. Gh. Sarsembekov, Z. N. Nurligenova ; Karaganda technical university, Department of History of Kazakhstan. - Karaganda : KTU Publ. House, 2020. - 84 p.						
		Abdurakhmanov, N. A. Modern History of Kazakhstan : textbook / N. A. Abdurakhmanov ; Ministry of education and science of the						

		Republic of Kazakhstan, South-Kazakhstan state pharmaceutical academy. - Karaganda : "AKNUR" press IE, 2017. - 308 p.						
		Итого						
2.	Философия	Mingers, John. Systems Thinking: Critical Realism and Philosophy: A Confluence of Ideas : scientific publication / J. Mingers. - London ; New York : Routledge, 2016. - 253 p						
		Ospanova, B. R. Golor Concept Sphere in Linguistic Intercultural Communication : monograph / B. R. Ospanova, A/ Seilkhanova, T. Y. Timokhina ; Ministry of education and science of republic of Kazakhstan, Karaganda state technical university, Department of "Russian language and culture". - Saarbrücken : LAP LAMBERT Academic Publishing, 2019. - 94 p.						
		Rukhani Zhangyru: Spiritual Renovation Through English : approved by the University Academic Council / D.D. Jantassova, T.V. Yarema, S. H. Alken, A.S. Izotova ; Karaganda state technical university. - Karaganda : KTU Publ. House, 2020. - 223 p.						
		Sagatova, A. S. Features						

		of national thinking of the kazakn people : monograph / A. S. Sagatova ; Ministry of education and science of republic of Kazakhstan, Karaganda state technical university, History of Kazakhstan Department. - Karaganda : KSTU Publishing House, 2020. - 101 p.						
		Итого						
3	Иностранный язык	RukhaniZhangyru: Spiritual Renovation Through English : approved by the University Academic Council / D.D. Jantassova, T.V. Yarema, S. H. Alken, A.S. Izotova ; Karaganda statetechnicaluniversity. - Karaganda : KTU Publ. House, 2020. - 223 p.						
		New englishfile : intermediate Workbook / C. Oxenden, C. Latham-Koenig, T. Byrne. - Oxford : Oxford University Press, 2015. - 79 p						
		New English File Upper-intermediate Student's Book : student's Book / C. Oxenden, C. Latham-Koenig. - Oxford : Oxford University Press, 2015. - 160 p.						
		New English File Upper-intermediate Workbook : workbook / C. Oxenden, C. Latham-Koenig, J. Hudson. - Oxford :						

		Oxford University Press, 2015. - 80 p.						
		Итого						
4	Казахский (русский) язык	RukhaniZhangyru: Spiritual Renovation Through English : approved by the University Academic Council / D.D. Jantassova, T.V. Yarema, S. H. Alken, A.S. Izotova ; Karaganda statetechnicaluniversity. - Karaganda : KTU Publ. House, 2020. - 223 p.						
		New englishfile : intermediate Workbook / C. Oxenden, C. Latham-Koenig, T. Byrne. - Oxford : Oxford University Press, 2015. - 79 p						
		New English File Upper-intermediate Student's Book : student's Book / C. Oxenden, C. Latham-Koenig. - Oxford : Oxford University Press, 2015. - 160 p.						
		New English File Upper-intermediate Workbook : workbook / C. Oxenden, C. Latham-Koenig, J. Hudson. - Oxford : Oxford University Press, 2015. - 80 p.						
		Basic English for technical students : tutorial / D. Jantassova, G. N. Akbayeva, A. M. Zhaxybayeva ; Ministry of education and science						

		of republic of Kazakhstan, Karaganda state technical university, Department of "Foreign Languages". - Karaganda : KSTU, 2015. - 105 p.						
		Итого						
5.	Информационно-коммуникационные технологии	Information and communication technologies : tutorial for is students of all specialties / O. A. Kan [et al.] ; Ministry of education and science of the republic of Kazakhstan, Karaganda state technical university, Department of "Information Technology and Security". - Karaganda : KSTU, 2018. - 99 p.						
		Urmashov, B. A. Information-communication technology : textbook for is students of all specialties / B. A. Urmashov ; Ministry of education and science of republic of Kazakhstan. - Almaty : Association of higher educational institutions of Kazakhstan, 2016. - 409 p.						
		Nurpeisova, T. B. Information and Communication Technologies = Информационные и коммуникационные технологии : textbook for undergraduate						

		students / Т. В. Nurpeisova, I.N. Kaidash ; Ministry of education and science of republic of Kazakhstan. - Алматы : Бастау, 2017. - 479 p.						
		Information and communication technologies : в 2-х ч. : textbook / D. Shynbekov [et al.] ; Ministry of education and science of republic of Kazakhstan, International Information Technology University. - Pt. 2. - 1st ed. - Almaty, 2017. - 622 p.						
		Information and communication technologies : в 2-х ч. : textbook / D. Shynbekov [et al.] ; Ministry of education and science of republic of Kazakhstan, International Information Technology University. - Almaty : IITU, 2017 - . - Текст : непосредственный. Pt. 1. - 1st ed. - Almaty, 2017. - 586 p.						
		Итого						
6.	Социология	Matveenkova, L. G. Fundamentals of sociology : tutorial is intended for students of all specialties of higher educational institutions / L. G. Matveenkova, Ye. N. Ivleva, O. M. Khmel'nitskaya ; Ministry of education						

		and science of the republic of Kazakhstan, Karaganda technical university, Department of "Assembly of the people of Kazakhstan and humanitarian disciplines". - Karaganda : KTU, 2021. - 88 p.						
		Mingers, John. Systems Thinking: Critical Realism and Philosophy: A Confluence of Ideas : scientific publication / J. Mingers. - London ; New York : Routledge, 2016. - 253 p						
		Shormanbayeva, D. G. Adaptation of a Personality in Conditions of Social and Cultural Society Transformation : monograph / D. G. Shormanbayeva, M. A. Seidinova, M. M. Kozhukhova ; Ministry of education and science of the republic of Kazakhstan, Karaganda state technical university. - Karaganda : Publishing Department of the KSTU, 2019. - 135 p.						
		Итого						
7.	Политология	Political Studies : approved by the Academic Council of the University as a teaching aid / L. G. Matveyenkova, S. S. Kassimova, Ye. N. Ivleva, O. M. Khmel'nitskaya ; Ministry of education						

		and science of republic of Kazakhstan, Karaganda technical university, Department of "Assembly of the people of Kazakhstan and humanitarian disciplines". - Karaganda : KTU, 2020. - 138 p.						
		Итого						
8.	Культурология	Ospanova, B. R. Cultural aspects of translating adaptation of advertising text : monograph / B. R. Ospanova, A. S. Kenzhegulova ; Ministry of education and science of republic of Kazakhstan, Karaganda state technical university, Department of "Russian language and culture". - Saarbrücken : LAP LAMBERT Academic Publishing, 2018. - 210 p.						
		Ospanova, B. R. Golor Concept Sphere in Linguistic Intercultural Communication : monograph / B. R. Ospanova, A/ Seilkhanova, T. Y. Timokhina ; Ministry of education and science of republic of Kazakhstan, Karaganda state technical university, Department of "Russian language and culture". - Saarbrücken : LAP LAMBERT Academic Publishing, 2019. - 94 p.						

		<p>Rukhani Zhangyru: Spiritual Renovation Through English : approved by the University Academic Council / D.D. Jantassova, T.V. Yarema, S. H. Alken, A.S. Izotova ; Karaganda state technical university. - Karaganda : KTU Publ. House, 2020. - 223 p.</p>						
		Итого						
9.	Психология	<p>Аманова, И. К. Psychology = Психология : textbook / I. K. Amanova, A. T. Kamzanova ; Ministry of education and science of republic of Kazakhstan. - Almaty : Association of higher educational institutions of Kazakhstan, 2016. - 270 p</p>						
		Итого						
10.	Физическая культура							
		Итого						
11.	Основы права, Основы антикоррупционной культуры	<p>Practicum on Basics of Law and Anti-corruption Culture : tutorial / M. S. Kaiyrbek, M. A. Seidinova, D. G. Shormanbayeva, G. M. Zhumatova ; Ministry of education and science of the republic of Kazakhstan, Abylkas Sagimov Karaganda technical university, Department "Assembly of the people of Kazakhstan and social</p>						

		and humanitarian disciplines". - Karaganda : KarTU, 2023. - 84 p.						
		Mustafina L. M. Cours of Higer Mathematics for students technical specialties : tutorial textbook for students / L. M. Mustafina, V. V. Zhurov ; Ministry of education and science of the republic of Kazakhstan, Karaganda state technical university. Department of Higher mathematics. Part 1 : Elements of Linear Algebra and Analitical Geometry. - Karaganda, 2019. - 78 p.						
		Итого						
12.		Kozhukhova, M. M. Fundamehtals of anti-corruption culture : approved by the University Academic Council as a tutorial / M. M. Kozhukhova, R. M. Sadvakassova, M. A. Seldlnova ; Karaganda technical university, Department of "Assembly of the people of Kazakhstan and humanitarian disciplines". - Karaganda : Karaganda KarTU, 2020. - 84 p.						
		Итого						
13.	Основы экономики и предпринимательство	Aubakirova, G. M. Economics and production management : tutorial for students / G. M. Aubakirova ;						

		Ministry of education and science of the republic of Kazakhstan, Karaganda state technical university, Department of Engineering entrepreneurship and marketing. - Karaganda : KSTU, 2019. - 70 p.						
		Итого						
14.	Экология и безопасность жизнедеятельности	Ecology of Industrial Sectors : the tutorial is iniversity students teachers undergraduaters studying industrial ecology environmental protection environmental management engineering ecology issues of conditions and ways to achieve sustainable development / N. K. Tsoi, A. T. Oralova, Yu.D Obukhov, N. V. Serykh ; пер. N. M. Drak. - Karaganda : KarTU, 2021. - 114 p. -						
		Dzhakupova, I. B. Ecology and Sustainable Development : manual / I. B. Dzhakupova, A. Zh. Bozhbanov ; Ministry of education and science of Republic of Kazakhstan. - Almaty : Medet Group, 2018. - 266 p.						
		Mukatayeva, Zh. S. Chemical Ecology = Химическая экология : textbook / Zh. S. Mukatayeva ; Ministry of education and science of republic of Kazakhstan. -						

		Almaty : Association of higher educational institutions of Kazakhstan, 2016. - 308 p.						
		Итого						
15.	Методы научных исследований	Fundamentals of Scientific Research and Inventive Creativity . : textbook / D. Yu. Pak, M. K. Ibatov, Yu. N. Pak, A. Yu. Tebayeva ; Abylka Saginov Karaganda Technical University, Department of Geology and exploration of mineral deposits. - Karaganda : KarTU, 2024. - 151 p. :						
		Итого						
16.	Математика	Shaihova, G. S. Elements of Mathematical analysis : the tutorial "Elements of mathematical analysis" is intended for students of specialties 6B07202-Mining / G. S. Shaihova ; Ministry of education and science of republic of Kazakhstan, Karaganda state technical university, Department of «Higher mathematics». - Karaganda : KTU Publishing House, 2021. - 65 p.						
		Elements of Linear Algebra and Analytic Geometry : the tutorialis developed in accordance with the curriculum for students of all technical						

	<p>specialties with a brief theory of the section "Elements of Linear Algebra and Analytical Geometry" for each topic typical tasks are compiled and some ways of their application are outlined / L. Zh. Kasymova, Zh. M. Tuleutaeyeva, G. E. Shegebayeva, A. Zh. Mergembayeva ; Ministry of education and science of republic of Kazakhstan, Karaganda state technical university, Department of «Higher mathematics». - Karaganda : KTU PubkishiHg House, 2021. - 66 p.</p>						
	<p>Kazhikenova, S. Sh. Higher mathematics : the tutorial is intended for students of specialty 6B07202 / S. Sh. Kazhikenova, G. S. Shaikhova ; Karaganda technical university, Higher mathematics department. - Karaganda : KTU PubkishiHg House ; Karaganda : Sanat-Poligraphy, 2020. - 107 p.</p>						
	<p>Mustafina L. M. Course of Higher Mathematics for Students of Technical Specialties : tutorial / L. M. Mustafina, N. F. Abayeva, V. V. Zhurov ; Ministry of education</p>						

		and science of republic of Kazakhstan, Karaganda state technical university. - Karaganda : KSTU Publ. House, Part 4 : Series. Elements Probability Theory. - Karaganda, 2020. - 82 p.						
		Kazhikenova, S. Sh. Mathematics : tutorial for students / S. Sh. Kazhikenova, G. S. Shaikhova ; Ministry of education and science of republic of Kazakhstan, Karaganda state technical university. Department of Higher mathematics. - Karaganda : KSTU, 2020. - 107 p.						
		Mustafina L. M. Cours of Higer Mathematics for students technical specialties : tutorial for students and undergraduates / L. M. Mustafina, V. V. Zhurov ; Ministry of education and science of the republic of Kazakhstan, Karaganda state technical university. Department of Higher mathematics. - Karaganda : KSTU, Part 2 : Introduction to Mathematical Analysis. Differential Calculus of Functions of One and Several Variables. - Karaganda, 2019. - 71 p.						
		Mustafina L. M. Cours						

		<p>of Higer Mathematics for students technical specialties : tutorial textbook for students / L. M. Mustafina, V. V. Zhurov ; Ministry of education and science of the republic of Kazakhstan, Karaganda state technical university. Department of Higher mathematics. - Karaganda : KSTU Part 1 : Elements of Linear Algebra and Analitical Geometry. - Karaganda, 2019. - 78 p.</p>						
		<p>Kozhukhova, M. M. The problems of ensuring economic security in Kazakhstan : monograph / M. M. Kozhukhova ; The ministry of education and science of the republic of Kazakhstan, Karaganda state technical university, Department of Social and Humanities. - Karaganda : KSTU, 2018. - 71 p. - (Рейтинг). - ISBN 978-601-204-455-3. -</p>						
		<p>Bidaybekov, Y. Y. Mathematical modeling and numerical methods = Математическое моделирование и численные методы : textbook for students / Y. Y. Bidaybekov, G/B. Kamalova, K. A. Kaliyeva ; Ministry of education and science of republic of Kazakhstan. -</p>						

		Almaty : Association of higher educational institutions of Kazakhstan, 2016. - 415 p.						
		Итого						
17.	Прикладная математика	Kazhikenova, S. Sh. Applied mathematics : the tutorial is intended for students of specialty 6B07202-Mining / S. Sh. Kazhikenova, G. S. Shaikhova ; Ministry of education and science of republic of Kazakhstan, Karaganda state technical university, Department of «Higher mathematics». – Karaganda : KTU Publishing House, 2021. – 138 p.						
		Mathematical statistics : tutorial for students of the specialty 6B07202 - Mining / S. Sh. Kazhikenova, G. S. Shaikhova ; Ministry of Education and Science of Kazakhstan, Abylkas Saginov Karaganda technical university, Department of Higher mathematics. - Karaganda : KarTU, 2022						
		Итого						
18.	Физика	Jumadillayev, K. N. Teaching methodology of Physics = Методика преподавания физики :textbook / К. N. Jumadillayev, Zh. K. Sydykova ;Ministry of						

		education and science of republic of Kazakhstan. - Almaty : Association of higher educational institutions of Kazakhstan, 2016. - 312 p.						
		P59 Physics [Текст] : textbook for is students of tehcnical specialty / G. Sh. Omashova [et al.] ; Ministry of education and science of republic of Kazakhstan. - Almaty : Association of higher educational institutions of Kazakhstan, 2016. - 302 p.						
		Kopbalina, K. B. Newton's Laws : textbook for students / K. B. Kopbalina, Yu. M. Smirnov, N. A. Mazhenov ; Ministry of education and science of republic of Kazakhstan, Karaganda state technical university, Department of "Physies". - Karaganda : KSTU, 2019. - 101 p.						
		Kopbalina, K. B. Basics of Classical Mechanics : tutorial / K. B. Kopbalina, Yu. M. Smirnov, N. A. Mazhenov ; Karaganda state technical university, Physics department. - Karaganda : Publishing KSTU, 2020. - 106 p.						
		Kuznetsova, Yu. A. Physic in Tables and Formulas : tutorial for students / Yu. A.						

		<p>Kuznetsova, V. B. Yassinskiy ; Ministry of education and science of republic of Kazakhstan, Karaganda state technical university, Department of "Physies". - Karaganda : KSTU, 2020. - 60 p.</p>						
		<p>Kuznetsova, Yu. A. Physic in Tables and Formulas : tutorial for students / Yu. A. Kuznetsova, V. B. Yassinskiy ; Ministry of education and science of republic of Kazakhstan, Karaganda state technical university, Department of "Physies". - Karaganda : KSTU, 2020. - 60 p.</p>						
		<p>Kopbalina, K. B. Elements of mechanics : tutorial / K. B. Kopbalina, G. B. Turebaeva, Yu. M. Smirnov ; Ministry of education and science of the republic of Kazakhstan, Karaganda state technical university. - Karaganda : KSTU Publishing House, 2020. - 67 p.</p>						
.		Итого						
19.	Радиофизика	<p>Kuznetsova, Yu. A. Physic in Tables and Formulas : tutorial for students / Yu. A. Kuznetsova, V. B. Yassinskiy ; Ministry of education and science of republic of Kazakhstan,</p>						

		Karaganda state technical university, Department of "Physies". - Karaganda : KSTU, 2020. - 60 p.						
		Итого						
20.	Основы электронной и измерительной техники	Basics of Electronics : textbook / A. V. Taranov, A. D. Mekhtiyev, Y. G. Neshina [et al.] ; Karaganda state technical university. - Karaganda : KSTU Publishing House, 2020. - 148 p.						
		Итого						
21.	Основы радиотехники и телекоммуникаций	Basics of Electronics : tutorial / A. V. Taranov [et al.] ; Karaganda state technical university. - Karaganda : KSTU Publishing House, 2020. - 148 p. -						
		Итого						
22.	Теория электрической связи	Ибраев, А. Т. Theoretical basics of electrical engineering : textbook for is students of tehcnical specialty / A. T. Ibrayev ; Ministry of education and science of republic of Kazakhstan. - Almaty : Association of higher educational institutions of Kazakhstan, 2016. - 298 p.						
		Итого						
23.	Введение в специальность	Information and communication technol ogies : textbook for undergraduate students / V. V. Likhachev, O. A.						

		<p>Kan, A. T. Zharkimbekova [et al.] ; Ministry of education and science of republic of Kazakhstan, Abylkas Saginov Karaganda technical university, Department of "Information Technology and Security". - Karaganda : KSTU, 2017. - 83 p.</p>						
		Итого						
24.	Инженерная графика	<p>Machine graphics : tutorial for is students of specialty 5B071200 "Mechanical engineering", 5B073200 "Standardization and certification (bu industries)" / G. S. Zhetessova [et al.] ; The ministry of education and science of the republic of Kazakhstan, Karaganda state technical university, Department of Technological equipment, engineering and standardization. - Karaganda : KSTU, 2018.</p>	<p>Machine graphics : tutorial for is students of specialty 5B071200 "Mechanical engineering", 5B073200 "Standardization and certification (bu industries)" / G. S. Zhetessova [et al.] ; The ministry of education and science of the republic of Kazakhstan, Karaganda state technical university, Department of Technological equipment, engineering and standardization. - Karaganda : KSTU, 2018. http://elib.kstu.kz/fulltext//2022/Machine graphics.pdf</p>					
		Итого						
25.	Метрология,	Processing and						

	стандартизация и сертификация	presentation of measurement results : the content of this tutorial is intended for undergraduates of the specialty 7m07105 "Instrument making", 7m07502 "Metrology" / S. Zh. Aizhambayeva, R. Zh. Aimagambetova ; Ministry of education and science of the republic of Kazakhstan, Karaganda technical university, Department of "Information Technology and Security". - Karaganda :KarTU, 2021. - 74 p.						
		Aimagambetova, R. Zh. Reliability of Technical Systems : tutorial / R. Zh. Aimagambetova ; Karaganda state technical university. - Karaganda : Publishing office of KSTU, 2020	Aimagambetova, R. Zh. Reliability of Technical Systems : tutorial / R. Zh. Aimagambetova ; Karaganda state technical university. - Karaganda : Publishing office of KSTU, 2020 http://elib.kstu.kz/fulltext/2022/Aimagambetova_R.Zh_Reliability_of_Technical_Systems.pdf					
		Итого						
26.	Теория телеграфика/Планирование телеграфика мультисервисных сетей	Belik, G. A. Computer modeling in telecommunication systems : tutorial for students of specialty 5B071900 "Radio engineering, electronics						

		and telecommunications" / G. A. Belik, M. A. Gavrilova ; Ministry of education and science of the republic of Kazakhstan, Karaganda state technical university, Department of Technology of communication systems. - Karaganda : KSTU, 2018. - 108 p.						
		Итого						
27.	Технологии цифровой связи// Технологии беспроводной связи	У.С. Есенжолов, В.В. Югай, Г.А. Белик, М.А. Гаврилова Корпоративті байланыс желілері (оқу құралы), 2022. – 86 б						
		Итого						
28.	Электроника, схемотехника аналоговых устройств// Схемотехника цифровых устройств	Подано заявка на перевод в Триединство им. Ш. Кудайбердиева В.В. Югай, М.А. Гаврилова, Н.Б. Калиаскаров Основы электронной и измерительной техники (уч.пособие) 2018. - 61с.						
		Итого						
29.	Теория электрических цепей// основы электротехнических систем	Ibrayev, A. T. Theoretical basics of electrical engineering : textbook for is students of tehcnical specialty / A. T. Ibrayev ; Ministry of education and science of republic of Kazakhstan. - Almaty : Association of higher educational institutions of						

		Kazakhstan, 2016. - 298 p.						
		Итого						
30.	Радиоавтоматика, радиорелейные и спутниковые станции// Следящие системы радиоавтоматики	Basics of Electronics : tutorial / A. V. Taranov [et al.] ; Karaganda state technical university. - Karaganda : KSTU Publishing House, 2020.	Basics of Electronics : tutorial / A. V. Taranov [et al.] ; Karaganda state technical university. - Karaganda : KSTU Publishing House, 2020. http://elib.kstu.kz/fulltext/2022/Basics_of_Electronics.pdf					
		Итого						
31.	Электронные технологии, микроэлектроника и СВЧ техника// Техника и полупроводниковая электроника СВЧ	Electrotechnical installations ;tutorial for technical students / A. P. Bilichenko [et al.] ; Ministry of education and science of republic of Kazakhstan, Karaganda state technical university, Department of Energy systems. - Karaganda :KSTU, 2019. - 61 p.						
		Итого						
32.	Основы интеллектуальных систем управления и обработки информации// Основы интеллектуального анализа данных	Belik, M. N. Digital and intelligent measuring devices : tutorial / M. N. Belik, M. Zh. Yakimova, R. Zh. Aimagambetova ; The ministry of education and science of the republic of Kazakhstan, Karaganda state technical university, Department of "Information Technology and Security". - Karaganda : KSTU, 2019. - 78 p.						

		Итого						
33.	Проектирование транспортных сетей связи// Транспортные телекоммуникационные сети	Bases of technical operation of transport equipment [Text] : textbook for undergraduate students and college students / M. K. Ibatov, S. Z. Kabikenov, M. M. Kireevsky, N. B. Zharkenov, 2017. - 77 p.						
		Итого						
34.	Методы обеспечения качества услуг в телекоммуникациях // Основы IP телефонии	Praktikal course of digital technology : tutorial for is students of specialty 5B071600 "Instrument engineering", 5B070200 "Automation and control", 5B071800 "Electrical power engineering", B071900 "Radioengineering, electronic engineering and telecommunications" / I. V. Breido, R. V. Markvardt ; The ministry of education and science of the republic of Kazakhstan, Abylka Saginov Karaganda technical university. Department of Automation of manufacturing processes. - Karaganda : KSTU, 2018.						
		Итого						
35.	Оптические системы связи в телекоммуникациях //Направляющие системы электросвязи и	Guide systems and infocommunication fiber-optical technique : approved by the university academic council / N. I. Gorlov, A.						

	ОПТИКОВОЛОКОННАЯ ТЕХНИКА СВЯЗИ	D. Mekhtiev, V.V Yugay, O. V. Aldoshina ; Karaganda technical university. – Karaganda : KTU Publishing House, 2020. - 232 p.						
		Итого						
36.	Моделирование телекоммуникацион ных систем	Belik, G. A. Computer modeling in telecommunication systems : tutorial for students of specialty 5B071900 "Radio engineering, electronics and telecommunications" / G. A. Belik, M. A. Gavrilova ; Ministry of education and science of the republic of Kazakhstan, Karaganda state technical university, Department of Technology of communication systems. - Karaganda : KSTU, 2018. - 108 p. - (
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38.	Охрана труда	Zholmagambetov, N. R. Labourprotection : tutorial for students, undergraduates and doctoral / N. R. Zholmagambetov, N. A. Medeubaev, Zh. Sh. Matayev ; Ministry of education and science of republic of Kazakhstan, Karaganda state technical university. Department of Mine aerology and labor safety. - Karaganda : KSTU, 2019. - 294 p						
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39.	Передающие и приемные устройства систем связи// ПДС, перспективные системы и сети ПДС	<p>Belik, G. A. Computer modeling in telecommunication systems : tutorial for students of specialty 5B071900 "Radio engineering, electronics and telecommunications" / G. A. Belik, M. A. Gavrilova ; Ministry of education and science of the republic of Kazakhstan, Karaganda state technical university, Department of Technology of communication systems. - Karaganda : KSTU, 2018. - 108 p</p>						
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41.	Основы построения и моделирование систем связи //Компьютерные сети в телекоммуникациях	Belik, G. A. Computer modeling in telecommunication systems : tutorial for students of specialty 5B071900 "Radio engineering, electronics and telecommunications" / G. A. Belik, M. A. Gavrilova ; Ministry of education and science of the republic of Kazakhstan, Abylkas Saginov Karaganda technical university, Department of Technology of communication systems. - Karaganda : KSTU,	Belik, G. A. Computer modeling in telecommunication systems : tutorial for students of specialty 5B071900 "Radio engineering, electronics and telecommunications" / G. A. Belik, M. A. Gavrilova ; Ministry of education and science of the					

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42.	Коммутация и маршрутизация в сетях Huawei// Коммутация и маршрутизация в сетях Cisco	Belik, M. N. Digital and intelligent measuring devices : tutorial / M. N. Belik, M. Zh. Kakimova, R. Zh. Aimagambetova ; The ministry of education and science of the republic of Kazakhstan, Karaganda state technical university, Department of "Information Technology and Security". - Karaganda : KSTU, 2019. - 78 p.						
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43.	Энергообеспечение и электропитание электронных систем связи и телекоммуникаций	Electromagnetic compatibility of radio electronic means : V.V. Yugai, Yessenzholov. E.S. Sarsenbaev NPJSC						

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45.	Линии связи// Системы связи	<p>Tugambekova, M. A. Professional English in Communication Systems and Radio Electronics : tutorial for students / M. A. Tugambekova, A. A. Tokumbayeva ; Ministry of education and science of the republic of Kazakhstan, Abylka Saginov Karaganda technical university, Department of Foreign Languages. - Karaganda : KSTU, 2018. - 85 p</p>	<p>Tugambekova, M.A. Professional English in Communication Systems and Radio Electronics : tutorial for students / M. A. Tugambekova, A. A. Tokumbayeva ; Ministry of education and science of the republic of Kazakhstan, Abylka Saginov Karaganda technical university, Department of Foreign Languages. - Karaganda : KSTU, 2018. - 85 p http://elib.kstu.kz/fulltext/2022/Tugambekova Professional English.pdf</p>					
		Итого						

Білім беру ұйымының басшысы _____

(Тегі, аты, әкесінің аты (болған жағдайда) (қолы))

Ескертпе: техникалық және кәсіптік, жоғары және жоғары оқу орнынан кейінгі білім беру ұйымдары үшін толтырылады