2019 UNDERGRADUATE REGULAR PROGRAMMES

The University of Zambia wishes to invite admission applications for the 2019 academic year from suitably qualified candidates in the schools and programmes listed below.

SCHOOL OF EDUCATION

All programmes in the School of Education are available both under regular modes of study

1. BACHELOR OF ARTS WITH EDUCATION: majors include; Art, Home Economics, Music, Physical Education, History, English, Geography, Mathematics, Religious Education, Civic Education, Literature and Languages, and Curriculum Studies

2. BACHELOR OF EDUCATION (ENVIRONMENTAL EDUCATION)

3. BACHELOR OF LIBRARY AND INFORMATION SCIENCE

4. BACHELOR OF EDUCATION (SPECIAL EDUCATION): 1st year entry

5. BACHELOR OF EDUCATION (SOCIOLGY OF EDUCATION)

6. BACHELOR OF EDUCATION (EDUCATIONAL PSYCHOLOGY)

7. BACHELOR OF EDUCATION (LITERACY AND LANGUAGE)

8. BACHELOR OF EDUCATION (EDUCATIONAL ADMINISTRATION AND MANAGEMENT)

9. BACHELOR OF ARTS IN RECORDS AND ARCHIVES MANAGEMENT (BARAM)

10. BACHELOR OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN EDUCATION (B.ICTs. Ed)

11. BACHELOR OF EDUCATION (PRIMARY EDUCATION)

12. BACHELOR OF EDUCATION (EARLY CHILDHOOD EDUCATION)

13. BACHELOR OF EDUCATION (GUIDANCE AND COUNSELLING)

Admission Requirements: Either five ‘O’ levels as follows: English Language and any four subjects from the following: History, Geography, French, Literature in English, Mathematics, a Zambian Language, Civic Education, Religious Education, Wood Work, Metal Work, Geometric and Mechanical Drawing, Home Economics, Art and Design, Computer Science, Economics, Commerce, Additional Mathematics, Biology, Chemistry, Physics and any other acceptable subject OR a University of Zambia Diploma or its equivalent from a recognized institution.

14. BACHELOR OF EDUCATION (EDUCATIONAL ADMINISTRATION AND MANAGEMENT) - Third year entry.

Admission Requirements: University Diploma in Education Leadership and Management or its equivalent, or a relevant degree in Education.

15. BACHELOR OF EDUCATION (SPECIAL EDUCATION): Third year entry.

Admission Requirements: UNZA Diploma in Special Education OR TVTC Diploma in Guidance and Counseling OR an equivalent qualification from a recognized institution.

16. BACHELOR OF EDUCATION (SOCIAL SCIENCES)

Admission Requirements: University of Zambia Secondary Teachers’ Diploma in the following social science subjects: English, History, Geography, French, Mathematics, Zambian Languages, Civic Education and Religious Studies or an equivalent qualification from a recognized institution.
Admission Requirements: *Either* five ‘O’ levels as follows: English Language and any four subjects from the following: History, Geography, French, Literature in English, Mathematics, a Zambian Language, Civic Education, Religious Education, Wood Work, Metal Work, Geometric and Mechanical Drawing, Home Economics, Art and Design, Computer Science, Economics, Commerce, Additional Mathematics, Biology, Chemistry, Physics and any other acceptable subject OR a University of Zambia Diploma or its equivalent from a recognized institution.

1. **BACHELOR OF EDUCATION (EDUCATIONAL ADMINISTRATION AND MANAGEMENT) - Third year entry.**

   Admission Requirements: University Diploma in Education Leadership and Management or its equivalent, or a relevant degree in Education.

2. **BACHELOR OF EDUCATION (SPECIAL EDUCATION): Third year entry.**

   Admission Requirements: UNZA Diploma in Special Education OR TVTC Diploma in Guidance and Counseling OR an equivalent qualification from a recognized institution.

3. **BACHELOR OF EDUCATION (SOCIAL SCIENCES)**

   Admission Requirements: University of Zambia Secondary Teachers’ Diploma in the following social science subjects: English, History, Geography, French, Mathematics, Zambian Languages, Civic Education and Religious Studies or an equivalent qualification from a recognized institution.

4. **BACHELOR OF ADULT EDUCATION**

   Admission Requirements: *Either* five ‘O’ levels as follows: English Language and any four subjects from the following: History, Geography, French, Literature in English, Mathematics, a Zambian Language, Civic Education, Religious Education, Wood Work, Metal Work, Geometric and Mechanical Drawing, Home Economics, Art and Design, Computer Science, Economics, Commerce, Additional Mathematics, Biology, Chemistry, Physics and any other acceptable subject OR Diploma in Adult Education of the University of Zambia or of any recognized institution of higher learning or its equivalent OR Diploma or First Degree or any degree of the University of Zambia or of any university recognized by the University of Zambia OR Diploma of the University of Zambia obtained through Extension Studies.

18. **BACHELOR OF EDUCATION-SECONDARY (MATHEMATICS AND SCIENCE) (BEDMAS) For In-Service Teachers**

   Admission Requirements: Grade 6 or better in ‘O’ level Mathematics PLUS University of Zambia Secondary Teachers’ Diploma in Mathematics or Science OR an equivalent qualification from a recognized institution.

19. **BACHELOR OF SCIENCE WITH EDUCATION (BSC.ED)**

   Admission Requirements: Grade 6 or better in ‘O’ level English Language, Mathematics PLUS Grade 6 or better in Biology, Chemistry and Physics OR Grade 6 or better in Science, Biology (or Agricultural Science) and any other acceptable subject.

20. **BACHELOR OF EDUCATION (PRIMARY EDUCATION), (B.ED, PRIMARY)**

   Admission Requirements: Primary Teaching Qualification (e.g. PTC, APC or equivalent) PLUS Grade 6 or better in English language and in four other subjects OR Primary Teachers’ Diploma or an equivalent qualification from a recognized institution.

21. **BACHELOR OF AGRICULTURAL SCIENCE WITH EDUCATION**

   First year entry: Admission Requirements: Grade 6 or better in English Language and Mathematics PLUS Biology (or Agricultural Science), Chemistry, Physics OR Grade 6 or better in Science, Biology (or Agricultural Science) and any other acceptable subject.
22. **DIPLOMA IN TEACHING METHODS**

The Diploma in Teaching Methods is intended to provide initial teacher education to university graduates whose undergraduate programmes did not include professional courses in education. Duration is one (1) year.

**Admission requirements:** A bachelor’s degree of the University of Zambia OR a diploma of the University of Zambia, OR of any recognized university PLUS five ‘O’ levels.

23. **DIPLOMA IN ICTs For In-Service Teachers**

The Diploma in is intended to provide imparting both theoretical and practical skills and knowledge in Information and Communication Technologies to serving teachers in order for them to teach Computer Studies in schools. Duration is one (1) year.

**Admission requirements:** A bachelor’s degree in education from the University of Zambia OR a diploma in education from the University of Zambia, OR of any recognized university PLUS five ‘O’ levels.

**SCHOOL OF HUMANITIES AND SOCIAL SCIENCES**

All programmes in this school are available.

24. **BACHELOR OF ARTS – NON QUOTA, B.A.NQS (REGULAR): Majors include Political Science, Public Administration, Business Administration, Economics, Development Studies, Sociology, Psychology, Demography and Philosophy**

25. **BACHELOR OF MEDIA AND COMMUNICATION STUDIES, BMCS (REGULAR)**

26. **BACHELOR OF SOCIAL WORK, B.SW (REGULAR)**

**Admission Requirements:**

(a) Grade 6 or better in English Language
(b) Grade 6 or better in ANY THREE subjects chosen from the following category: History, Geography, Mathematics, Economics or Commerce or Principles of Accounts or Business Studies, English Literature or Zambian language or French or Religious, Food and Nutrition or Home Management or Home Economics or Art or Music or Design and Communication or Art and Design Education or Computer Studies, Development Studies or Civic Education and Additional mathematics.
(c) Grade 6 or better in any One subject chosen from the following category: Human and Social Biology, Biology, Science, Physics, Chemistry, Combined Science, Physical Science, Agricultural Science, Agriculture, Zoology, Geology, Geometrical and Building Drawing, Geometrical and Mechanical Drawing, Technical Drawing, Surveying, Metal Work, Wood Work, Design and Technology.

27. **BACHELOR OF ARTS IN LINGUISTICS AND CHINESE**

**Admission Requirements:**

- Credit or better in English Language
- Credit or better in ANY THREE subjects chosen from the following: History, Geography, Mathematics, Economics or Commerce or Principles of accounts or Business Studies, English Literature or Zambian language or French or Religious, Food and Nutrition or Home Management or Home Economics or Art or Music or Design and Communication or Art and Design Education or Computer Studies, Development Studies or Civic Education and Additional Mathematics.
- Credit or better in any one subject chosen from the following category: Human and social Biology, Biology, Science, Physics, Chemistry, Combined Science, Physical Science, Agricultural Science, Zoology, Geology, Geometrical and building Drawing, Geometrical and Mechanical Drawing, Technical Drawing, Surveying, Metal Work, Wood Work, Design and Technology.
28. BACHELOR OF MEDIA AND JOURNALISM STUDIES, B.MJS

Admission Requirements:
- Grade 4 or better in English Language
- Credit 6 or better in ANY THREE subjects chosen from the following: History, Geography, Mathematics, Economics or Commerce or Principles of accounts or Business Studies, English Literature or Zambian language or French or Religious, Food and Nutrition or Home Management or Home Economics or Art or Music or Design and Communication or Art and Design Education or Computer Studies, Development Studies or Civic Education and Additional Mathematics.
- Credit 6 or better in any one subject chosen from the following category: Human and social Biology, Biology, Science, Physics, Chemistry, Combined Science, Physical Science, Agricultural Science, Zoology, Geology, Geometrical and building Drawing, Geometrical and Mechanical Drawing, Technical Drawing, Surveying, Metal Work, Woodwork, Design and Technology.

29. BACHELOR OF PUBLIC RELATIONS AND ADVERTISING

Admission Requirements:
- Grade 6 or better in English Language
- Credit 6 or better in ANY THREE subjects chosen from the following: History, Geography, Mathematics, Economics or Commerce or Principles of accounts or Business Studies, English Literature or Zambian language or French or Religious, Food and Nutrition or Home Management or Home Economics or Art or Music or Design and Communication or Art and Design Education or Computer Studies, Development Studies or Civic Education and Additional Mathematics.
- Grade 6 or better in any one subject chosen from the following category: Human and social Biology, Biology, Science, Physics, Chemistry, Combined Science, Physical Science, Agricultural Science, Zoology, Geology, Geometrical and building Drawing, Geometrical and Mechanical Drawing, Technical Drawing, Surveying, Metal Work, Woodwork, Design and Technology.

Admission Requirement for Diploma Holders:
Diploma holders with credit or better from a recognized media or public relations institutions may enter the Bachelor of PR and Advertising degree programme at second year provided such applicants have:
(a) 5 O level passes, which include English, Mathematics and Sciences; and
(b) At least one year proven relevant working experience.

SCHOOL OF LAW

30. BACHELOR OF LAWS - (REGULAR)

Admission Requirements:
(a) Hold at least three ‘A’ Level passes of which one should be English from any recognized institution PLUS five ‘O’ levels including English.
(b) Hold a first degree in any field of study from a recognized institution
(c) Hold a professional qualification that is equivalent to a first degree

SCHOOL OF NATURAL SCIENCES

31. BACHELOR OF SCIENCE- NON QUOTA, B.SC. NQ - (REGULAR)

Admission Requirements:
Grade 6 or better in English Language and O’ level Mathematics PLUS Grade 6 or better in Biology, Chemistry and Physics OR Grade 6 or better in Science, Biology (or Agricultural Science) and any other acceptable subject.
SCHOOL OF VETERINARY MEDICINE

32. BACHELOR OF VETERINARY MEDICINE - (REGULAR)

Admission Requirements:
Category A- Second Year Entrants
(a) Full Form V or Grade 12 Certificate with at least five credits or better and Diploma in agriculture with Animal Science major or Biomedical Science Major or related qualifications with at least 2 years post graduate experience.
(b) Full Form V or Grade 12 certificate with at least five credits or better and a Bachelor of Science Degree in Agriculture Sciences or related qualifications with at least 2 years post graduate experience.
(c) An applicant without post graduation experience shall be admitted directly to the school if he/she obtained a Diploma with Merit, majoring in Animal Sciences or Biomedical Sciences or related qualification.
(d) “A” Level passes in Chemistry, Biology or Agricultural Sciences and Management or Physics

Category B- Third Year Entrants
(a) Full Secondary School Certificate with at least five credits or better and a Bachelor of Science in Agricultural Sciences degree with credit, majoring in Animal Science.

SCHOOL OF MINES

33. (I). BACHELOR OF MINERAL SCIENCES in Geology
34. (II). BACHELOR OF MINERAL SCIENCES in Mining Engineering
35. (III). BACHELOR OF MINERAL SCIENCES in Metallurgy and Mineral Processing

Admission Requirements:
(a) At least a Credit in Five (5) ‘O’ levels grades including Mathematics, English and an acceptable science subject.

AND ANY ONE OF THE FOLLOWING:
(I). Diploma/Higher National Diploma (HND) in Geology, Mining, Metallurgy and Mineral Processing, and any other related field.
(ii). A- Levels in Mathematics, Physics and Chemistry from a recognized institution
(iii). Admission/Readmission will be considered for applicants who completed and cleared first year courses in the School of Natural Sciences at the University of Zambia (UNZA) and any other recognized institution.

SCHOOL OF AGRICULTURAL SCIENCES

All programmes in this school are available under regular mode of study.

36. BACHELOR OF AGRICULTURAL SCIENCES
37. BACHELOR OF FOOD SCIENCE AND TECHNOLOGY
38. BACHELOR OF SCIENCE (AGRICULTURAL EXTENSION)
39. BACHELOR OF SCIENCE (AGRICULTURAL ECONOMICS)
40. BACHELOR OF SCIENCE IN HUMAN NUTRITION

Admission Requirements:
(a) A diploma in Agricultural Sciences or related studies from an institution affiliated to the University of Zambia
(b) A diploma classified as credit or better

41. BACHELOR OF SCIENCE IN AGRONOMY (BSc. AGRONOMY)

Admission Requirements
Five (5) “O” Level passes including English, Mathematics, Chemistry, Physics, Biology or Agriculture Sciences are eligible for direct admission to Bachelor of Science in Agronomy at first year.

Admission at second year.
Candidates with any of the following qualifications shall be eligible for admission to the programme at second year:

(a) Clear passes in the first year Natural Sciences courses offered by the University of Zambia.
(b) Diploma in Agricultural Sciences with Credit or better from a recognized institution.
(c) Three (3) “A” Level passes in Chemistry, Biology, Physics or Mathematics.

SCHOOL OF MEDICINE

42. BACHELOR OF MEDICINE AND SURGERY - (REGULAR)

Admission Requirements:
(a) BSc Degree Holders in Biologicals Sciences, Microbiology, Biochemistry, Zoology, Botany, Agricultural Sciences, Nutrition, Veterinary Medicine and any other Life Sciences.
(b) BSc degree holders in a health related field.

SCHOOL OF NURSING SCIENCES

43. BACHELOR OF SCIENCE (NURSING) - (REGULAR)

Admission Requirements:
Second Year Entrants
(a) Completed and cleared first year in the School of Natural Sciences
Or
(b) Advanced levels (“A levels”) with-
   (i) Passes in Biology, Mathematics, Chemistry and Physics
   (ii) Credits or better in at least 5 relevant subjects which should include English language, Biology/Science, and Mathematics as mandatory

OR

(a) Certificate in Nursing(Enrolled Nurse, Mental Health Nursing)
(b) Credits or better in at least 5 relevant subjects which should include English language, Biology/Science, and Mathematics as mandatory
(c) Validly practicing Licence

Fourth Year Entrants
(a) Diploma in Registered Nursing (Registered Nurse, Registered Theatre Nurse, Registered Paediatrics Nurse, Registered Clinical Care Nurse)
(b) Credits or better in at least 5 relevant subjects which should include English language, Biology/Science, and Mathematics as mandatory
(c) Validly practicing Licence

44. BACHELOR OF SCIENCE IN MIDWIFERY

Admission Requirements
Second Year Entrants
(a) Completed and cleared first year in the School of Natural Sciences
Or
(b) Advanced levels (“A levels”) with-
   Passes in Biology, Mathematics and Chemistry and Physics
   Or
(a) Certificate in Nursing(Direct Entry Midwife/Certified Midwife or Enrolled Midwife
(b) Credits or better in at least 5 relevant subjects which should include English language, Biology/Science, and Mathematics as mandatory
(c) Validly practicing Licence

Third Year Entrants
(a) Diploma in Registered Nursing (Registered Nurse/ Registered Nurse-Midwives)
(b) Credits or better in at least 5 relevant subjects which should include English language, Biology/Science, and Mathematics as mandatory
(c) Validly practicing Licence
BACHELOR OF SCIENCE IN ONCOLOGY NURSING (2019/2020)

Admission Requirements

(a) SECOND YEAR ENTRY

I. Pre-service/Quota Students

- Must have completed first year from school of Natural Sciences with clear passes in Biology, Mathematics, Chemistry and Physics
- OR
- Having Advanced “A” Levels with clear passes in Biology, Mathematics, Chemistry and Physics from a recognised institution.

II. In-Service: Certificate Holder Nurses

- Certificate in Nursing
- Five “O” Levels at credit or better from Grade twelve (12) School leaver Certificate or the equivalent with English Language, Mathematics, Biology or General Science as mandatory and any other two subjects.
- At least two years working experience
- Valid practicing license

(b) THIRD YEAR ENTRY

In – Service Candidates: Diploma Holder Nurses

- Diploma in Nursing and/or Midwifery from a recognised School of Nursing (General Nursing Council of Zambia certified or affiliated with UNZA- School of Nursing Sciences)
- Five ‘O’ Level at credit or better from Grade twelve (12) School leaver Certificate or the equivalent with English language, Mathematics, Biology or General Science as Mandatory and any other two subjects.
- At least two years working experience
- Have a valid Practicing Licence

SCHOOL OF PUBLIC HEALTH

46. BACHELOR OF SCIENCE (ENVIRONMENTAL HEALTH) - (REGULAR)

Admission Requirements

(a) University of Zambia ‘O’ level entry requirements i.e., Grade 6 or better in English Language; Grade 4 or better in O’ level Mathematics PLUS Grade 6 or better in Biology, Chemistry and Physics OR Grade 6 or better in Science, Biology(or Agricultural Science) and any other acceptable subject.

(b) A Diploma in Environmental Health or related studies from a recognized institution or college affiliated to the University of Zambia.

SCHOOL OF HEALTH SCIENCES

47. BACHELOR OF PHARMACY - (REGULAR)

Admission Requirements

(a) School leavers:

(i) After one year of study in the School of Natural Sciences with at least a minimum of 10 points.

(ii) Applicants with at least four (4) “A” levels passes (minimum of Grade D in each subject) including pure or Combined Sciences and mathematics; 5 “O” level passes or any relevant primary undergraduate qualifications.

(b) Non School Leavers:

(i) Diploma holders in Pharmacy Technology shall be eligible after meeting the selection criteria as determined by the University of Zambia.

(ii) Attend Oral interviews organised by the Department of Pharmacy.
BACHELOR OF SCIENCE (BIOMEDICAL SCIENCES) - (REGULAR)

Admission Requirements
(a) Candidates with GCE Advanced level passes or equivalent in Biology, Chemistry and Mathematics at credit level or better, recognized by the Senate of this University, will be admitted directly to the first year level of the programme at the School of Health Sciences.
(b) Candidates with an advanced Certificate or Diploma in Science Laboratory Technology or equivalent qualification, at credit level or better (based on all courses), recognized by the Senate of this University, will also be admitted to the first year level of the programme.
(c) Candidates with a three year Diploma in Biomedical Sciences/Technology or Diploma in Medical Laboratory Sciences/Technology, or equivalent, at credit level (based on all courses), recognized by the Senate of this University, will be admitted to the third year level of the programme.
(d) Candidates whose language is not English will normally be required to have passed a test approved by the Senate of this University.

BACHELOR OF SCIENCE (PHYSIOTHERAPY) - (REGULAR)

Admission Requirements: Candidates should satisfy any one of the following requirements
(a) School Leaver
   i) Be a University of Zambia student from the School of Natural Science after one year of study
   ii) Candidates with GCE “A” Levels passes in Biology, Mathematics, Chemistry or Physics
(b) Non School Leaver
   i) Bachelor of Science Degree /Diploma in other fields recognized by Senate will be admitted at year two
   iii) Diploma in Physiotherapy will be admitted at year three.

BACHELOR OF SCIENCE IN RADIOGRAPHY (Diagnostic/Therapeutic) (REGULAR)

Admission Requirements:
(a) School leavers:
   (i) After one year of study in the School of Natural Sciences with at least a minimum of 10 points.
   (ii) Candidates with GCE A levels passes in Biology, Chemistry, Mathematics and Physics
(b) Non School Leavers:
   (i) Three year Diploma holders in Diagnostic Radiography or Radiation Therapy will be admitted at year three.

BACHELOR OF SCIENCE IN PROSTHETICS AND ORTHOTICS (REGULAR)

Admission Requirements
(a) School Leavers:
   (i) After one year of study in the School of Natural Sciences
   (ii) Candidates with GCE “A” Levels passes in Biology, Chemistry, Mathematics and Physics
(b) Non School Leavers:
   (i) Three year Diploma holders in Prosthetics and orthotics will be admitted at year three

SCHOOL OF ENGINEERING

All programmes in this school are available under regular mode of study.

Applicants with diploma or higher level qualification should specify their preferred engineering specialization (on the application form) namely:

BACHELOR OF ENGINEERING (AGRICULTURAL ENGINEERING)
BACHELOR OF ENGINEERING (CIVIL AND ENVIRONMENTAL ENGINEERING)
BACHELOR OF ENGINEERING (ELECTRICAL AND ELECTRONIC ENGINEERING)
BACHELOR OF ENGINEERING (GEOMATIC ENGINEERING)
All copies of certificates submitted with the application must be certified true copies.

To pursue studies in any of the above five offered engineering specializations requires a two-stage process:

Firstly, admission into the School of Engineering (as a second year student) and secondly, being allocated a quota/specialization of choice into third year student after successful completion of previous academic year (general engineering). Since the School has limited places for engineering education, all second year students are subjected to competition. Applicants with a Diploma or higher level qualifications are allocated their preferred engineering specialization directly at second year level according to a fixed allocation in each specialization. The guidelines for the two stage admission into the School of Engineering and specialization in any of the five branches are detailed as follows:

**Admission Requirements:**

a) School of Natural Sciences students:

   The School of Engineering makes recommendations for the required number of students who can be taken up via this category (Engineering quota). At the end of the first year of study in the School of Natural Sciences, students make preference to come to School of Engineering. Since the number of students in this quota is fixed, the cut-off point is determined by the required number of students and the performance in that particular academic year of study. On average, this category enrolls about 100 students into the School of Engineering.

b) Entry requirements for Diploma (or higher qualification) holders:

   - At least a credit or better in Five ‘O’ levels in mathematics, English and an acceptable science subject
   - At least a credit or better in Diploma (Technologist) or higher qualification in a relevant technical field and
   - At least one (1) year of proven and relevant working experience after graduation with a Diploma. A letter from the employer showing proof of the relevant working experience must be attached.

c) Entry requirements for ‘A’ level holders:

   - At least three (3) ‘A’ passes (grade of C) with at least a pass grade ‘B’ in either Mathematics or Physics.
   - For holders of City and Guilds qualifications, the Diploma is taken to mean level 4 (Full Technological Certificate, Full Technological Diploma or Advanced Technician Diploma).

**NOTE: ENGLISH LANGUAGE REQUIREMENT**

The language of instruction at the University of Zambia is English. Therefore, all candidates that are admitted are expected to show evidence of proficiency in English language. A School Certificate credit, with ‘O’ level pass in English language is accepted as satisfying this requirement and is normally demanded.

Application forms can be obtained from Customer Care, UNZA Great East Road campus, upon payment of a non refundable application fee of **K150.00** for Zambians or **USD 60.00** for non Zambians. Payment for applications forms should be made either at Standard Chartered Bank, Account Number 0100110273800 or First National Bank Zambia (FNB), Account Number 62607694371. The account name is UNZA Registrars Department. Application forms can also be downloaded from the official UNZA website: www.unza.zm or obtained from the University of Zambia Provincial Centres Offices. In this case the application fee still has to be made at the bank.

All correspondence relating to admissions should be addressed to: The Deputy Registrar (Academic Affairs)

**The University of Zambia**
P.O Box 32379
LUSAKA, ZAMBIA

**The closing date for submitting application forms is Friday 15th February, 2019. Applications received after 15th February, 2019 will not be processed.**