



College of Arts,
Science &
Commerce (Autonomous)

RISE WITH EDUCATION

NAAC REACCREDITED - 'A' GRADE

| SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE, (AUTONOMOUS), SION WEST, MUMBAI 400022 | | | | | | |
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| SSR 2018-2023 Criteria I : 1.3.1. Professional Ethics, Gender, Environment and Sustainability, and Human Values | | | | | | |
| Sr. No. | Name of the Department | Programme Name | Course Name | Course Code | Description of the courses which address issues related | Link of the syllabus on the college website |
| 1 | Biotechnology | FY BT / Sem II | Globalisation, Ecology and Sustainable Development | SIUSBT27 | This course throws light on the important current environmental issues like pollution, climate change, plant population dynamics and coastal zone management. | https://siesascs.edu.in/academics/courses.php |
| 2 | BMS | FY BMS / Sem I | Foundation Course | SIUBMS15 | This course explores the reasons for disparity arising out of gender inequalities and examines inequalities due to caste system | https://siesascs.edu.in/academics/courses.php |
| 3 | BMS | FY BMS / Sem II | Foundation Course | SIUBMS25 | This course covers wider issues of globalization human rights, ecology, environment, and topics concerning coping with stress, conflict and its resolution | https://siesascs.edu.in/academics/courses.php |



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| 4 | BMS | SY BMS /Sem III | Foundation Course | SIUBMS34 | This course aims at sensitizing the learners about the various environmental issues and innovations adopted by business to reduce the adverse impact on environment. | https://siesascs.edu.in/academics/courses.php |
| 5 | BMS | SY BMS /Sem IV | Foundation Course | SIUBMS44 | This course explains the significance of ethics and ethical practices in businesses which are indispensable for progress of a country and applicability of ethics in functional areas like marketing, finance and human resource management. | https://siesascs.edu.in/academics/courses.php |
| 6 | Botany | FY BSc / Sem I | Forms and Functions I (Unit II - Ecology) | SIUSBOT12 | This course aims to make learners understand the basic concepts involved in the topic of Ecology. | https://siesascs.edu.in/academics/courses.php |



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| 7 | Botany | SY BSc / Sem III | Forms and Functions II (Unit II - Ecology and Environmental Botany) | SIUSBOT32 | This course is designed to familiarize the learners about the fundamental knowledge of Ecology and Environmental Botany. | https://siesascs.edu.in/academics/courses.php |
| 8 | Botany | SY BSc / Sem III | Current Trends in Plant Sciences I (Unit II - Forestry & Economic Botany) | SIUSBOT33 | This course makes the learners understand the commercial potential of Forestry and Economic Botany | https://siesascs.edu.in/academics/courses.php |
| 9 | Botany | TY BSc / Sem V | Forms and Functions III (Unit III - Environmental Botany) | SIUSBOT53 | This course helps students identify the potential of Environmental Botany | https://siesascs.edu.in/academics/courses.php |
| 10 | Botany | TY BSc / Sem VI | Current Trends in Plant Sciences II (Unit III - Environment, Biogeography and Population Ecology) | SIUSBOT64 | This course is designed to make learners realize the current trends in the topic of Environment, Biogeography and Population Ecology. | https://siesascs.edu.in/academics/courses.php |
| 11 | Botany | MSc I / Sem II | Plant Physiology & Environmental Botany (Unit II - Ecology) | SIPSBOT23 | This course aims provide detailed account of role of ecology and environmental botany at different levels. | https://siesascs.edu.in/academics/courses.php |



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| 12 | Botany | MSc I / Sem II | Plant Physiology & Environmental Botany (Unit III - Climate Change) | SIPSBOT23 | This course is completely focused on Climate change, its concept, reasons, effects and impacts at different levels and also provides solutions to mitigate the problem of climate change. | https://siesascs.edu.in/academics/courses.php |
| 13 | Botany | MSc II (Cytogenetics & Plant Biotechnology) / Sem IV | Plant Biotechnology (Unit I - Environmental Biotechnology) | SIPSBOTCP43 | This course throws light on use of biotechnology in the field of environment conservation through bioremediation, solid waste management and fermentation industry | https://siesascs.edu.in/academics/courses.php |
| 14 | Botany | MSc II (Environmental Botany) / Sem III | Ecology & Environmental Botany | SIPSBOTEB33 | This course makes the learners understand about the fundamental knowledge of ecological concepts, energy pyramid, energy flow in ecosystem, population ecology, etc. | https://siesascs.edu.in/academics/courses.php |



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| 15 | Botany | MSc II (Environmental Botany) / Sem III | Recent Trends and Applied Environmental Botany | SIPSBOTEB 34 | This course encourages the learners to explore the recent trends and applications of environmental botany through conservation ecology, biodiversity studies and energy as resource | https://siesascs.edu.in/academics/courses.php |
| 16 | Botany | MSc II (Environmental Botany) / Sem IV | Ecology & Environmental Botany | SIPSBOTEB 43 | This course throws light on the important current environmental issues like pollution, climate change, plant population dynamics and coastal zone management. | https://siesascs.edu.in/academics/courses.php |
| 17 | Botany | MSc II (Environmental Botany) / Sem IV | Recent Trends and Applied Environmental Botany | SIPSBOTEB 44 | This course aims to provide effective remedial measures for land restoration, restoration of ecosystem and water shed management. | https://siesascs.edu.in/academics/courses.php |



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| 18 | Commerce | FYBCOM | Environmental Studies | SIUCEVS11 AND SIUCEVS21 | The course aims to create an awareness of environmental issues by highlighting functional links between environment, economy and society. | https://siesascs.edu.in/academics/courses.php |
| 19 | Commerce | FYBCOM | Foundation Course I & II | SIUCFOC11 and SIUCFOC21 | The course aims to develop an awareness of socio-economic and environmental issues and understand the importance of human values and gender equality in society. | https://siesascs.edu.in/academics/courses.php |
| 20 | Commerce | SYBCOM | Foundation Course I & II | SIUCFOC31 and SIUCFOC41 | The course aims to make students understand issues related to human rights, and importance of disaster management and sustainability principles. | https://siesascs.edu.in/academics/courses.php |



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| 21 | Commerce | FYBSC | Foundation Course I & II | SIUSFOC11 and SIUSFOC21 | The course aims to develop an awareness of socio-economic and environmental issues and understand the importance of human values and gender equality in society. | https://siesasc.edu.in/academics/courses.php |
| 22 | Economics | TY BA Economics | Environmental Economics | SIUECO56B | The course focuses on economic causes of environmental problems by applying economic principles to environmental | https://siesasc.edu.in/academics/courses.php |
| 23 | English | TY BA English | Literature and Gender | SIUAENG56 & SIUAENG66 | This course is designed to sensitize learners to issues of gender and examines the gender concerns in literature | https://siesasc.edu.in/academics/courses.php |



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| 24 | English | FY BCom | Business Communication | SIUCBUC11 & SIUCBUC21 | This course is designed to equip learners with the skills of communicating in English specifically with regard to the corporate world. It examines the correlation between ethics and business and corporate social responsibility | https://siesascs.edu.in/academics/courses.php |
| 25 | Information Technology | FY BSc (IT) / Sem II | Green Computing | SIUSIT25 | The course aims to make learners aware of the green computing practices that can be used to minimize negative impacts on the environment, understand the use of environmentally sustainable computers and electronic systems and the various global standards and initiatives in green computing. | https://siesascs.edu.in/academics/courses.php |



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| 26 | Mass Media | FY BAMMC / Sem I | Foundation Course-I | SIUBAMM C12 | This course aims develop the students' ability to enumerate the concept of multi-cultural diversity of Indian society, discuss the concepts of disparity as arising out of stratification and inequality, assess the growing social problems in India and their impact on youth, elders, and women in society. | https://siesascs.edu.in/academics/courses.php |
| 27 | Mass Media | FY BAMMC / Sem II | Foundation Course-II | SIUBAMM C22 | This course aims to develop the students' ability to: Examine the importance of environment studies in the current developmental context. Enumerate contemporary societal challenges in a globalised world. | https://siesascs.edu.in/academics/courses.php |
| 28 | Mass Media | TY BMM / Sem VI | Contemporary Issues | SIUBMMA66 SIUBMMJ66 | This course aims to understand and analyse some of the present day environmental, | https://siesascs.edu.in/academics/courses.php |

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| 29 | Mass Media | TY BAMMC / Sem VI | Advertising In Contemporary Society (ACS) | SIUBAMM CA63 | This course aims to develop the students' ability: <ul style="list-style-type: none"> • To understand the use and effect of advertising on the various categories of the population in the society such as Women, Children, Senior Citizens, Youth. • To understand the critical aspect of advertising and the controversial aspect related to Gender Biases, and Popular Culture in advertising. • To study the social implication of advertising through its impact on Market, Economy and Society at large. | https://siesascs.edu.in/academics/courses.php |
| 30 | Philosophy | FY BA / Sem I | Moral Philosophy | SIUAPHI 11 & SIUAPHI 21 | This course aims to familiarise the learners in the foundational knowledge of Moral Philosophy. Help | https://siesascs.edu.in/academics/courses.php |



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| 31 | Philosophy | SY BA / Sem III | Family and Gender Issues | SIUAPHI31 | This course equips learners with argumentative and analytical skills involved in philosophizing through gender issues. Engage in an open-minded way towards the changing trends in the society. | https://siesascs.edu.in/academics/courses.php |
| 32 | Philosophy | TY BA / Sem V | Environmental Philosophy | SIUAPHI 53 | This course encourages to examine environmental concepts as rooted in ancient traditions along with some of the contemporary ethical theories to give rise to environment related deliberations. | https://siesascs.edu.in/academics/courses.php |
| 33 | Philosophy | TY BA / Sem VI | Living Ethical Issues: Ethics in Sex | SIUAPHI 63 | This course inculcates in the learners with spoken and written skills to bring about the socio-cultural changes in order to establish gender equity. | https://siesascs.edu.in/academics/courses.php |



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| 34 | Politics | SYBA | Introduction to Law | SIUAILW31 and SIUAILW41 | A section of this course deals with laws regarding women with a special reference to the IPC Section 354 A to D, 376 and 498 A and Sexual Harassment of | https://siesasc.edu.in/academics/courses.php |
| 35 | Politics | SYBA | Foundation Course | SIUAFOC31 and SIUAFOC41 | The course aims to develop a broad understanding of the concept of 'human rights' and goes on to discuss their violations and available redressal mechanisms as | https://siesasc.edu.in/academics/courses.php |
| 36 | Politics | TYBA | Political Process in Maharashtra | SIUPOL63 | The course discusses various movements for Environmental Protection and Justice along side the concept of alternative models of development w.r.t various case studies in Maharashtra. | https://siesasc.edu.in/academics/courses.php |
| 37 | Politics | FYBA | Indian Political Process | SIUPOL11 and SIUPOL21 | This course discusses the basic tenets of the Indian Constitution based on the values of liberty, equality, | https://siesasc.edu.in/academics/courses.php |



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| 38 | Politics and Psychology | FYBA | Foundation Course | SIUAFOC11 | The course aims to develop an awareness of socio-economic and environmental issues and understand the importance of human values and gender equality in society. | https://siesascscs.edu.in/academics/courses.php |
| 39 | Zoology | TY BSc / Sem V | Biodiversity Conservation and Management | SIUSZO54 | To introduce a branch of science dealing with the geographic distribution of animals and to know how and why different animal species are distributed around the globe and techniques to study animals in field | https://siesascscs.edu.in/academics/courses.php |
| 40 | Zoology | FY BSc Zoology / Sem I | Ecology | SIUSZO11 | To understand the relation between organisms and their environment through Ecology i.e., the study of "life at home". | https://siesascscs.edu.in/academics/courses.php |



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| 41 | Zoology | FY BSc Zoology / Sem II | Biodiversity | SIUSZO22 | To acknowledge the importance of the natural treasure – the biodiversity around us, and to be judicious in the utilization of this natural economy. | https://siesascs.edu.in/academics/courses.php |
| 42 | Zoology | SY BSc Zoology / Sem IV | Basic Concepts in Research | SIUSZO41 | To develop scientific temperament, qualities such as critical thinking and analysis. · To develop the skills of scientific communication, understand the ethical aspects of research | https://siesascs.edu.in/academics/courses.php |
| 43 | Zoology | TYBSc Zoology / Sem V | Wildlife Conservation and Management | SIUSZO54 | · To introduce a branch of science dealing with the geographic distribution of animals and to know how and why different animal species are distributed around the globe and techniques to study animals in field. | https://siesascs.edu.in/academics/courses.php |



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| 44 | Zoology | TYBSc Zoology / Sem V | Field Biology | SIUSZO54 | · To introduce a branch of science dealing with the geographic distribution of | https://siesascs.edu.in/academics/courses.php |
| 45 | Zoology | TYBSc Zoology / Sem V | Zoogeography | SIUSZO54 | · To introduce a branch of science dealing with the geographic distribution of animals and to know how and why different animal species are distributed around the globe and techniques to study animals in field. | https://siesascs.edu.in/academics/courses.php |
| 46 | Zoology | TYBSc Zoology / Sem VI | Biodiversity and Conservation | SIUSZO64 | This course is an advance course of biodiversity and introduces basic conservation strategies employed in field biology | https://siesascs.edu.in/academics/courses.php |
| 47 | Zoology | TYBSc Zoology / Sem VI | Bioprospecting, Bioethics and Zoo pharmacognosy | SIUSZO64 | To introduce a branch of biology dealing with ethics, examine the various kinds of protection afforded to authors, scientist, and inventors with relation to intellectual properties | https://siesascs.edu.in/academics/courses.php |

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| 48 | Psychology | TYBA | Counselling Psychology | SIUAPSY55 | This course gives details of personal, professional, ethical aspects of counselling. It mentions the | https://siesascs.edu.in/academics/courses.php |
| 49 | Bioanalytical Sciences | M.Sc. Bioanalytical Sciences | Proteomics, Bioinformatics and Environmental Issues | SIPSBN14 | This course gives details of how the environment affects the biology of marine organisms | https://siesascs.edu.in/academics/courses.php |
| 50 | BAMMC | SIUABMM | Foundation Course-I | SIUBAMM C12 | Environment | https://siesascs.edu.in/academics/courses.php |
| 51 | BAMMC | SIUABMM | Foundation Course- | SIUBAMM | Environment | https://siesascs.edu.in/academics/courses.php |
| 52 | BAMMC | SIUABMM | Contemporary Issues | "SIUBMMA 66 | Human Values | https://siesascs.edu.in/academics/courses.php |
| 53 | BOTANY | SIUSBOT | Forms and | SIUSBOT12 | Environment | https://siesascs.edu.in/academics/courses.php |
| 54 | BOTANY | SIUSBOT | Form and Function | SIUSBOT32 | Environment | https://siesascs.edu.in/academics/courses.php |
| 55 | BOTANY | SIUSBOT | Current Trends in Plant Sciences I | SIUSBOT33 | Environment | https://siesascs.edu.in/academics/courses.php |
| 56 | BOTANY | SIUSBOT | Forms and | SIUSBOT53 | Environment | https://siesascs.edu.in/academics/courses.php |
| 57 | BOTANY | SIUSBOT | Current Trends in Plant Sciences II | SIUSBOT64 | Environment | https://siesascs.edu.in/academics/courses.php |
| 58 | BOTANY | SIUSBOT | Plant Physiology & Environmental | SIPSBOT23 | Environment | https://siesascs.edu.in/academics/courses.php |
| 59 | BOTANY | SIUSBOT | Plant Physiology & Environmental | SIPSBOT23 | Environment | https://siesascs.edu.in/academics/courses.php |
| 60 | BOTANY | SIUSBOT | Plant | SIPSBOTCP | Environment | https://siesascs.edu.in/academics/courses.php |
| 61 | BOTANY | SIUSBOT | Ecology & | SIPSBOTEB | Environment | https://siesascs.edu.in/academics/courses.php |



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| 62 | BOTANY | SIUSBOT | Recent Trends and Applied | SIPSBOTEB34 | Environment | https://siesascs.edu.in/academics/courses.php |
| 63 | BOTANY | SIUSBOT | Ecology & | SIPSBOTEB | Environment | https://siesascs.edu.in/academics/courses.php |
| 64 | BOTANY | SIUSBOT | Recent Trends and Applied | SIPSBOTEB44 | Environment | https://siesascs.edu.in/academics/courses.php |
| 65 | PSYCHOLOGY | BA | Cognitive Psychology | SIUAPSY64 | This course focuses on understanding basic thought processes like memory, learning, problem solving etc. It includes gender studies on cognitive styles, verbal and spatial abilities and information on how studies are conducted. | https://siesascs.edu.in/academics/courses.php |
| 66 | PSYCHOLOGY | BA | Counseling Psychology | SIUAPSY66 | This course focuses on introducing third year psychology students to the profession of counseling and teaching them basic counseling skills and therapies in counseling. | https://siesascs.edu.in/academics/courses.php |



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| 68 | POLITICS | BA | Travel and Tourism Management | SIUATTM41 | Module 3: Infrastructure and Support Services Impact of Tourism 3.1 Environmental, socio cultural and economic 3.2 Need for sustainable tourism 3.3 Concept of Eco-tourism | https://siesascs.edu.in/academics/courses.php |
| 69 | POLITICS | BA | Introduction to Law | SIUAILW41 | The course covers various concepts in environment sustainability and protection doctrines and an elaborate discussion on environmental law. | https://siesascs.edu.in/academics/courses.php |
| 70 | POLITICS | BA | Introduction to Law | SIUAILW31 & SIUAILW41 | The course discusses the origin, course and significance of fundamental rights in the Indian Constitution. | https://siesascs.edu.in/academics/courses.php |



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| SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE, (AUTONOMOUS), SION WEST, MUMBAI 400022 | | | | | | |
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| SSR 2018-2023 Criteria I : 1.3.1. Professional Ethics, Gender, Environment and Sustainability, and Human Values | | | | | | |
| Sr. No. | Name of the Department | Programme Name | Course Name | Course Code | Description of the courses which address issues related | Link of the syllabus on the college website |
| 71 | POLITICS | BA | Introduction to Law | SIUAILW41 | The course discusses various laws for women viz. Laws on sexual harrassment, rape etc. | https://siesasc.edu.in/academics/courses.php |
| 72 | POLITICS | BA | Introduction to Political Science | SIUPOL21 | The course discusses the origin, course and signigance of values of liberty, equality and justice for human society. | https://siesasc.edu.in/academics/courses.php |
| 73 | ENVIRONMENTAL STUDIES | BSc | Environment and Society | SIUSENV17 | The course was designed to highlight issues related to environment and social issues including gender inequality for the overall growth of the student. | https://siesasc.edu.in/academics/courses.php |
| 74 | MICROBIOLOGY | BSC | ENVIRONMENTAL MICROBIOLOGY | SIUSMIC32 | This course highlights the role of microbiology in the environment related to air, freshwater, waste water and soil. | https://siesasc.edu.in/academics/courses.php |
| 75 | MICROBIOLOGY | MSC - II | APPLIED & ENVIRONMENTAL MICROBIOLOGY | SIPSMIC34 | This course highlights the importance and role of microbes in ecology, soil, marine and agriculture, fresh water, bottled water. | https://siesasc.edu.in/academics/courses.php |



College of Arts,
Science &
Commerce (Autonomous)

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| 76 | MICROBIOLOGY | MSC-II | APPLIED & ENVIRONMENTAL MICROBIOLOGY | SIPSMIC44 | This course highlights environmental & natural resource management, environmental monitoring and pollution control, biofilm management & bioremediation. | https://siesascs.edu.in/academics/courses.php |
| 77 | BIOANALYTICAL SCIENCES | MSC-II | Proteomics, Bioinformatics and Environmental Issues | SIPSBN12 | This course directs students on the importance of handling, storing, and segregation various hazardous materials generated/used in Laboratories and gives an overview of Laboratory safety. The course also introduces the student to various regulatory bodies and regulations associated with it | https://siesascs.edu.in/academics/courses.php |