

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

INFORMATION BROCHURE FOR B.Sc. (3 YEARS) DEGREE PROGRAMMES 2024-2025

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INTRODUCTION

1. ABOUT THE UNIVERSITY

Manonmaniam Sundaranar University (MSU) is a dynamic Institution of higher learning, in Tirunelveli, the educational hub of Southern Tamil Nadu, with a campus area of 550 acres. The University was established in 1990, by the Government of Tamil Nadu, as a teaching - cum- affiliating University. The University is named after the Tamil poet litterateur Prof. P. Manonmaniam Sundaram Pillai (1855-1897), the author of the famous verse drama, Manonmaniam. The University caters to the needs of the four southern districts of Tamil Nadu, viz., Tirunelveli, Thoothukudi, Kanyakumari and Tenkasi. This University is reaccredited with 'A' Grade by NAAC (3rd cycle). University has achieved the 83rd position in the All India University Ranking by NIRF, New Delhi for the year 2023. This University has been ranked 5th by MHRD, GOI in Swachh Campus ranking 2019 of Higher Education Institutions.

Manonmaniam Sundaranar University affiliates hundred and one Colleges, Six Manonmaniam Sundaranar University Colleges and has 28 teaching departments. 1,26,030 students are studying in the University Departments / Centres and Colleges. Many of these colleges have contributed significantly to the cause of higher education, of which six colleges including the oldest women's college in the State, are over 100 years old. The University is one of the pioneer institutions which offers Choice Based Credit System (CBCS) and Online Courses through NPTEL and SWAYAM. The Courses and Research Programmes offered by the University have been carefully chosen to cater to the contemporary needs of the region.

The University Departments offer Ph.D., Integrated P.G. Programmes, P.G. Diploma, Diploma and Certificate Programmes in addition to regular P.G. Programmes with exemplary library services. Also the University offers Bharat Ratna Dr. M. G. Ramachandran Centenary Fellowship to the Research Scholars.

There are Directorate of Distance and Continuing Education and Directorate of Vocational Education. Through Community Colleges and Vocational Skill Development Centres (VSD), Directorate of Vocational Education is offering skill based Advanced Diploma, Diploma and Certificate courses in various skill sectors. Manonmaniam Sundaranar University P.G. Extension Centre, Nagercoil, Sri Paramakalyani Centre of Excellence in Environmental Sciences, Alwarkurichi, the Centre for Marine Science and Technology, Rajakkamangalam and UG Programmes at Shanthi Nagar, Tirunelveli are the off-campus Departments of the University.

Excellent opportunities in extracurricular activities are extended by the National Service Scheme and Youth Welfare Department and Physical Education Department, The University has sophisticated auditorium to accommodate around thousand students.

The University has a multipurpose indoor sports Stadium and a Fitness Centre (Gymnasium). Gnanavani Educational FM & Mano Vani online radio station and Centre for Women Empowerment and Studies are functioning in the University. The University has Health Centre, Guest House, Post Office, Bank, ATM, Students' Amenities Centre, 24 x 7 Ambulance Service, Day Care Service and 1 MW Solar Power Plant within the Campus. The University has established Sir C.V. Raman Centre for Central Instrumentation with highly sophisticated Scientific equipments to improve the research. Outdoor games, Sports, Yoga and meditation classes are conducted regularly for the welfare of the students. Annual sports and cultural day competition are conducted for the staff and students through Mano day and Women's Day celebrations. Departments have Internet connectivity with WIFI. The University provides affordable quality education to the underprivileged and unreached sections of the society in this region.

2. LOCATION

The University is located at Abishekapatti (on Tirunelveli- Tenkasi Road) at a distance of 8 kilometers from Tirunelveli Junction. A judicious blend of functional and aesthetic features distinguishes the campus buildings. The serene landscape and a vast campus of over 550 acres form an ideal setting for the academic community. The University, sensitive to the complex and diverse needs of the times, has evolved many innovative programmes. Research and extension activities are not pursued for its own sake, but are directed towards enriching the social matrix to help build better human beings and better tomorrow.

Adequate infrastructure facilities and the peaceful campus atmosphere are conducive to the students to pursue their academic endeavours in an excellent manner.

3. MISSION OF THE UNIVERSITY

In pursuit of Excellence

“by providing quality Education especially for the rural and the unreached”

“through innovation in teaching, research and extension activities”

“by promoting human values for social harmony”

4. ACADEMIC PROGRAMMES

Advanced Academic Programmes are offered in various Departments which have been streamlined to make them competitive and accountable in accordance with the criteria stipulated for national accreditation.

The following are the University Departments and Centres:

Languages:

1. Department of Tamil
2. Department of English

Social Sciences:

3. Department of History
4. Department of Economics
5. Department of Sociology
6. Department of Communication
7. Department of Management Studies
8. Department of Criminology & Criminal Justice
9. Department of Commerce
10. Department of Education
11. Department of Physical Education
12. Department of Psychology
13. Department of Archaeology

Sciences:

14. Department of Mathematics
15. Department of Statistics
16. Department of Physics
17. Department of Chemistry
18. Centre for Information Technology & Engineering (CITE)
19. Centre for Marine Science & Technology (CMST) at Rajakkamangalam
20. Sri Paramakalyani Centre of Excellence in Environmental Sciences (SPKCEES) at Alwarkurichi
21. Department of Computer Science & Engineering
22. Centre for Geotechnology

23. Department of Biotechnology
24. Department of Pharmaceutical Chemistry
25. Department of Plant Science
26. Department of Animal Science
27. Department of Renewable Energy Science
28. Department of Library and Information Science

Note: The University has the right to suspend any Programme, if the circumstances so warrant.

Many of the Departments have linkages with premier National & International Institutions. Research programmes are being carried out in all the Departments. **Campus Interview is conducted periodically to cater to the needs of the aspiring students through Placement Cell.**

5. COLLABORATIVE VENTURES

The University is actively engaged in collaborative ventures with individuals and institutions. The Centre for Environmental Sciences at Alwarkurichi, functioning in collaboration with the Amalgamations Group, bears testimony to this. Eco-friendly ventures in aquaculture, fishing and agro-inputs are the thrust areas of Centre for Marine Science and Technology at Rajakkamangalam. Further, Departments of Mathematics, Communication and Mass Media, Management Studies and Geotechnology have made their mark in the respective field of study.

Centre of Excellence has been awarded by Government of TamilNadu to Sri Paramakalyani Centre of Excellence in Environmental Sciences of this University functioning at Alwarkurichi.

The following Departments are supported by Special Assistance Programme (SAP) of University Grants Commission (UGC).

- Department of Computer Science and Engineering
- Department of Communication
- Centre for Marine Science and Technology
- Department of Mathematics
- Department of Physics
- Department of Sociology
- Department of Statistics

The following Departments are funded by Department of Science and Technology Fund for Improvement of Science and Technology (DST- FIST)

- Sri Paramakalyani Centre of Excellence in Environmental Sciences
- Department of Chemistry
- Department of Computer Science and Engineering
- Centre for Geo-Technology
- Centre for Marine Science and Technology
- Department of Mathematics
- Department of Physics
- Department of Statistics

6. LIBRARY

The University Library is well equipped and has a good collection of reference sources, books and journals in printed as well as in electronic forms. Internet facility is available to browse any information in a moment and also efficient Online Public Access Cataloguing Service is provided to the users. The Library is fully automated with the help of INFLIBNET Centre, Ahmedabad. The University Library provides research oriented information to its users getting information from American Information Resource Centre. It has its membership with DELNET and also provides e-journals service through INFONET.

7. UNIVERSITY HOSTEL

Hostel facility is available for Women and Men students at the University Campus. Hostel facilities are available for the girl students in Centre for Marine Science and Technology, Rajakkamangalam and Sri Paramakalyani Centre of Excellence in Environmental Sciences, Alwarkurichi.

8. HEALTH CENTRE

Well-equipped Health Centre with Medical Lab and 24 x 7 Ambulance facilities is available in the University Campus. Insurance coverage is also provided to all the students.

9. INTERNET CENTRE:

An Internet Centre is available for the exclusive utility of the University Students throughout the day at free of cost. Wi – Fi facility is available in the University Campus.

10. EQUAL OPPORTUNITY CELL

The Equal Opportunity Cell (SC/ST/OBC (Non-Creamy Layer / Minorities Cell) functions for the welfare of the SC/ST/OBC/Minority students of the University. The Cell takes the responsibility for the improvement of overall performance of the SC/ST/OBC/ Minority students in the competitive examinations so as to bring them up to the expected competitive level as compared to other communities.

11. B.SC. (3 YEARS) PROGRAMMES

Manonmaniam Sundaranar University is offering the following B.Sc. (3 years) Degree Programmes for the academic year 2024-2025 at the Manonmaniam Sundaranar University Campus, City Complex Building, Keelanatham Village, Seevalaperi Road, Shanthi Nagar, Tirunelveli

1. B.Sc. Artificial Intelligence and Machine Learning
2. B.Sc. Cyber Security
3. B.Sc. Data Science

12. ABOUT THE PROGRAMME

- I. Any student who has got pass in +2 is eligible to apply for admission.
- II. The duration of the Programme shall be 3 years.

13. ELIGIBILITY

1. B.Sc. Artificial Intelligence and Machine Learning

Passed the 10 + 2 (Higher Secondary) examination conducted by Government of Tamil Nadu with Mathematics / Computer Science / Statistics as one of the Subject or other equivalent examinations (Minimum Aggregate of 50%)

2. B.Sc. Cyber Security

Passed the 10+2 (Higher Secondary) examination conducted by Government of Tamil Nadu in any subject or other equivalent examinations (Minimum Aggregate of 50%)

3. B.Sc. Data Science

Passed the 10+2 (Higher secondary) examination conducted by Government of Tamil Nadu with Statistics / Mathematics / Business Statistics / Business Mathematics /Computer Science as one of the subject or other equivalent examinations (Minimum Aggregate of 50%)

14. MODE OF APPLICATION

- a) The Candidate can opt for one or more of the programme at the time of submission of application no need for separate application for each programme. If the candidate prefer to join other programme, the choice will be given on the admission counseling. The date of admission counseling will be intimated later.
- b) The cost of application form is Rs.500/-.
- c) Candidates can apply through Online in the University Website: www.msuniv.ac.in
- d) SC / ST candidates are exempted from the payment of Application fee.
- e) The attested copies of the following certificates should be uploaded alongwith the online application
 - i. H.Sc. Marksheet
 - ii. Transfer Certificate
 - iii. Community Certificate (for SC/SCA/ST/BC/BCM / MBC/DNC candidates only)
 - iv. Sports Certificate (if the candidate is an outstanding sports person).
 - v. Differently abled Certificate (if the candidate is Differently abled)
 - vi. NCC Certificate
 - vii. Ex-servicemen Certificate
- f) Any change in the address of the applicant should be intimated immediately to the Registrar and to the Head of the Department concerned.

15. ADMISSION PROCEDURE

- a) Admission for B.Sc.(3 years) Degree programmes will be done only for +2 qualified candidates. It is based on the merit list prepared on the average of marks obtained in the Plus Two Part III out of 400 marks.
- b) The rules of reservation of seats prescribed by the Government of Tamil Nadu, 15% for SC and 3% for SCA, 1% for ST, 20% for MBC and DNC, 26.5% for BC other than BC Muslims and 3.5% for BC Muslims and 31% for Open Competition will be followed in admission to each programme. Among the total number of seats in the University Departments, 2% will be reserved for outstanding sports persons, three seats for children of Ex-servicemen of Tamil Nadu origin (G.O.Ms. No.230, Higher Education (G1) Department, dated 23-7-2001), 5% for Differently Abled and one seat for NCC cadet of outstanding merit with 'A' certificate for +2 students and 'C' Certificate for degree students.
- c) The selected candidate should submit the following certificates in original at the time of Admission Counseling
 - i. S.S.L.C Mark Sheet
 - ii. H.Sc. Mark Sheet
 - iii. Transfer Certificate and Conduct Certificate
 - iv. Community Certificate
 - v. Stamp size photo for ID card
- d) The selection of candidates will be done through Counselling

16. CONCESSION TO SPASTIC STUDENTS

Dyslexic, Spastic students are permitted to use an amanuensis and additional one hour (60 minutes) time for each paper will be given in all the University Examinations.

17. RAGGING IN EDUCATIONAL INSTITUTIONS

If any incident of ragging comes to the notice of the University, the student concerned will be given an opportunity to explain his or her conduct and if his or her explanation is not found satisfactory, the University will expel him or her from the Institution.

Students should submit an undertaking from parents for not indulging in ragging.

18. DETAILS ABOUT FEE

- a. The candidates admitted shall pay the tuition and other fees as specified in the admission letter.
- b. In accordance with G.O.Ms.No.722 Social Welfare Department dated 13th October 1977, SC/ST and SC / ST converted Christians are exempted from the payment of tuition fee and exemption will be granted only upon the production of Community Certificate (in original). The exemption does not cover other fees, namely, special fee, laboratory fee, guidance & counselling fee and contingency fee.
- c. "Tuition Fee and Special Fee in the University Departments are exempted for the students belonging to the category of Differently Abled Persons and in addition exemption of Examination fee and extra time while writing the examinations for blind students.
- d. Tuition fee, Examination fee and other fees in the University Departments are exempted for the students belonging to the category of Transgender.
- e. Tuition fee, Examination fee and other fees in the University Departments are exempted for the children who are belonging to the category of folk artist.

19. STUDENT EVALUATION

- a. Choice Based Credit System is followed for all the Programmes.
- b. The University Examinations will be held in each semester.
- c. A student can be admitted to an examination only upon the submission of the prescribed application form on or before the prescribed date through Online.
- d. A minimum of 75% attendance is required to appear for the University Examinations.
- e. Students should register for all papers in the first appearance in each semester. Students may apply for paper-wise appearance for arrears papers also.
- f. When a student completes the required 90 credits prescribed for the Programme, CGPA will be calculated as follows. The marks obtained by the candidate (sum of external and internal marks) in a paper is multiplied by the credits assigned to that paper. Such weighted marks for all the courses are added and divided by the total credits (minimum 90).

20.

B.Sc. (3 years) DEGREE PROGRAMMES

DETAILED FEES STRUCTURE FOR THE

ACADEMIC YEAR 2024-2025

A. Fees to be paid at the time of admission

Sl .No	Description	Science (Rs.)
1	Caution deposit (to be refundable)	500
2	Enrollment and Registration Fee	500
3	Library Fee	550
4	Identity Card	100
5	Academic Calendar	100
6	Alumni Association	500
7	Infrastructure and Maintenance Fee	400
8	World University Fee	100
9	Youth Activities	100
10	Youth Red Cross	100
11	Sports Fees	400
12	Development Fee	650
Total		4000

B. B.SC. (3 YEARS) PROGRAMME FEE – SEMESTER WISE

SI. NO	NAME OF THE PROGRAMME	Semester	Tuition Fee (Rs.)	Special Fee (Rs.)	Internal Examination Stationery Fee (Rs.)	Laboratory Fee (Rs.)	Placement Training Fee (Rs.)	Corpus Fund (Rs.)	Student Welfare Fund (Rs.)	Insurance (Rs.)	Total (Rs.)
1	B.Sc. Artificial Intelligence and Machine Learning	ODD	6500	1050	250	3500	1000	500	400	100	13,300
		EVEN	6500	1050	250	3500	1000	-	-	-	12,300
2	B.Sc. Cyber Security	ODD	6500	1050	250	3500	1000	500	400	100	13,300
		EVEN	6500	1050	250	3500	1000	-	-	-	12,300
3	B.Sc. Data Science	ODD	6500	1050	250	3500	1000	500	400	100	13,300
		EVEN	6500	1050	250	3500	1000	-	-	-	12,300