



INTERNATIONAL CENTRE  
FOR APPLIED SCIENCES  
MANIPAL  
*(A constituent unit of MAHE, Manipal)*

## INTERNATIONAL ENGINEERING TRANSFER PROGRAM

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# THINK ENGINEERING. THINK GLOBAL.

GRADUATE FROM A TOP UNIVERSITY ABROAD





## MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal Academy of Higher Education (MAHE) is a premier Deemed to be University under Section 3 of the UGC Act, 1956, Government of India. It has just been accorded the prestigious 'Institute of Eminence' Status by Ministry of Human Resource Development, Government of India and is Ranked #1 in QS World University Rankings amongst the Indian Private Universities. MAHE is synonymous with excellence in higher education. With its variety of educational and professional skill enhancement courses, MAHE has been building up its strength year to year, and is being recognized now as a leading quality education service provider and has significantly contributed in continuously improving the standards of higher education in India. It is a pioneer of the 'Inspired Learning' approach to higher education. Its academic delivery model goes beyond classroom education to provide a holistic learning experience.

Over 33,000 students from over 67 different nations live, learn and play in the sprawling University town, nestled on a plateau in Karnataka's Udupi district. MAHE's alumni network numbers over 1,50,000 – a community as important to us as the new students who walk in.

Backed by an infrastructure that is comparable to some of the best in the world along with a highly qualified and respected faculty, Manipal Academy of Higher Education presents an evolved environment of teaching and research.

## INTERNATIONAL CENTRE FOR APPLIED SCIENCES

Established in 1994, the International Centre for Applied Sciences (ICAS), Manipal Academy of Higher Education, has been facilitating a unique **International Engineering Transfer Program**. Under the program, students can complete the **first two years of study at Manipal Academy of Higher Education, India**. The following two years can be pursued at a premium university in the foreign country of their choices such as USA, UK, Australia, Germany, Canada, France and many more by transferring their credits obtained from the first two years of study. On completion of the program, the student can obtain an **Engineering Degree awarded by the destination international university**. In case, students do not opt for the international transfer, they can continue their third year of study at Manipal and on its completion can obtain BSc (Applied Science) degree from MAHE.

Over the years, about **100+ foreign universities** have been accepting ICAS credits, thus offering a wide range of universities from which the ICAS students can pursue their final two years. The students are free to apply to any foreign university of their choice thus providing them a perfect platform for an international experience.

This unique program is made possible by adopting all the teaching and evaluation methods that are followed by universities abroad, thus enabling an **easy transfer to any foreign university**. As a testament to the success of this program, ICAS has seen **over 2,000 students** pass through its campuses and continue their studies abroad.

The students also benefit from the **flexibility of choosing or changing the branch** or major area of specialization after entering the program at foreign universities. For example, a student who has opted for the mechanical branch may change to aviation or automotive streams and a student who has opted for electrical and electronics during the first two years at Manipal Academy of Higher Education may change over to biomedical or communication stream.





## THE INTERNATIONAL ENGINEERING PROGRAM

An initiative of MAHE Manipal, The International Engineering Program is a unique 4 year engineering credit transfer program. Students complete the first two years of the program in MAHE Manipal, India and the following two years in a premium university in USA, UK, Australia, Canada, France, Ireland etc.

The student graduates with an engineering degree from an international university at approximately 40% lower cost than that of a regular engineering program at these universities.

### THE PROGRAM IN A NUTSHELL

- ◆ An international engineering degree from renowned universities abroad.
- ◆ Partnership with 38 premier institutes in the USA, UK, Australia, Canada, France, Germany and Ireland.
- ◆ First two years in MAHE Manipal, India and the next two in a university abroad.
- ◆ Internationally recognized and globally accepted curriculum.
- ◆ 7 engineering disciplines.
- ◆ A wide range of international universities to choose from.
- ◆ Students are eligible to apply for credit transfer to other renowned institutions.
- ◆ Opportunities for paid internships abroad.
- ◆ Exposure to global engineering standards, working culture and environment.
- ◆ Global internship and job opportunities.

## PROGRAM PATHWAY

**1<sup>ST</sup> & 2<sup>ND</sup>  
YEAR**

AT MAHE, MANIPAL

**3<sup>RD</sup> & 4<sup>TH</sup>  
YEAR**

AT A UNIVERSITY ABROAD

**GRADUATE WITH  
AN ENGINEERING  
DEGREE  
FROM AN  
INTERNATIONAL  
UNIVERSITY**





## INTERNATIONAL ENGINEERING PROGRAM



**Dr. H. Vinod Bhat**  
Vice Chancellor,  
Manipal Academy  
of Higher Education



**Prof. Dr. Radhakrishna S. Aithal**  
Director, ICAS

## Message from the Vice Chancellor

Manipal Academy of Higher Education's International Transfer Program commenced in the year 1994 with the sole objective of providing international education and exposure to Indian students. This program has been designed as a perfect launchpad for those who aspire to study and graduate from one of the top universities of the world. This is a unique program where the students spend the first two years in Manipal Academy of Higher Education and the following two years in a university abroad. This is made possible by adopting the high quality teaching and evaluation methodologies that are followed by top universities abroad. Over the years, due to these high standards of quality in delivery and assessment, students of this program have been accepted by 100+ prestigious universities to continue their studies across USA, Europe, Canada, Australia, UK, Germany, France, and many more countries. The students have the flexibility to apply to any university of their choice. May you make the best of these openings to shape your careers and future. I wish you the very best!

## Message from the Director

The world in 21st century is a knowledge based society with multiple opportunities to grow. World class engineers are those who consider engineering and technology as their lifetime mission; who set a great technological goal that will lead them to think high, aim high, work and persevere to realize the goal; who commit themselves to apply their creative mind to innovate, invent or discover a process or a product, wherever they are; who adopt creativity, innovation and continuous learning as success tools to reach their goals and who keep pace with the knowledge explosion happening around them and constantly update their skill sets and competencies.

A sincere attempt to produce world class engineers from globally recognized Manipal Academy of Higher Education is the International Transfer Program offered by International Center for Applied Sciences (ICAS).

Welcome to ICAS family! At ICAS, all possible efforts are made to develop industry-ready human resources to meet the challenges of global competitiveness. Students will be apprised on the significance and worthiness of International Engineering Education.

I assure the parents that all the necessary assistance will be extended to the students here and 'we truly care for your children'.





## THE ICAS PROGRAM ADVANTAGE



25 successful  
years of operation



Cost saving  
of up to 40%\*



Over 2000 students  
graduated from  
international universities



International Placement  
Opportunities



38 International  
Partner Universities



Average salary of  
USD 50000 - 85000 per annum



2 Years  
of Academic Grooming



100+ universities accept  
ICAS credits



Engineering Stream Flexibility

\*Based on the average living expenses at the foreign country

## MANIPAL ACADEMY OF HIGHER EDUCATION ADVANTAGE

### Institution of Eminence

**NO.1**

Ranked 1st among the top  
private universities in India  
Source: Education World 2017

**TOP 100**

Among top 100 universities in  
BRICS (Brazil, Russia, India,  
China, South Africa) countries

**A**

Rated 'A' by NAAC

**ASSOCHAM**

ASSOCHAM Award for the  
Best University in the country  
promoting research

**277**

277 career centric courses;  
20 diverse disciplines

**33,000+**

Over 33,000 students from  
67+ countries





## INTERNATIONAL UNIVERSITIES ACCEPTING ICAS CREDITS



UNIVERSITY OF  
BIRMINGHAM



THE UNIVERSITY OF QUEENSLAND  
AUSTRALIA



Trinity College Dublin  
Coláiste na Tríonóide, Baile Átha Cliath  
The University of Dublin

## UNITED STATES OF AMERICA

Arizona State University, Tempe, Arizona  
Boston University, Boston  
Brown University, Rhode Island  
California State University, Golden Shore, Long Beach, CA  
Case Western Reserve University, Cleveland, OH  
Colorado State University, Colorado  
Columbia University, Broadway New York  
Cornell University, Ithaca, NY  
Drexel University, Philadelphia, Pennsylvania  
Embry-Riddle Aeronautical University, Florida  
Georgia Tech, Atlanta, Georgia  
Illinois Institute of Technology, Chicago  
Iowa State University, Ames, IOWA  
Kettering University, Flint, Michigan  
Marquette University, Milwaukee  
Milwaukee School of Engineering, 1025 North Broadway, Milwaukee  
Montana State University, Bozeman, Montana  
New York University, NY  
North Dakota State University, Fargo, North Dakota  
Ohio State University, Columbus, Ohio  
Pennsylvania State University, Pennsylvania  
Purdue University, West Lafayette  
Rutgers State University, New Jersey  
San Francisco State University, California  
San Jose State University, California  
South Dakota State University, Brookings  
Southern Illinois University, Carbondale, IL  
St. Cloud State University, St. Cloud  
Stony Brook, Stony Brook, NY  
Texas A & M, College Station, Texas

The State University of New York, Buffalo, NY  
The University of Missouri, Columbia  
The University of South Alabama, Alabama  
University of Arizona, Tucson, AZ  
University of California - Berkeley, Berkeley, CA  
University of Colorado, Colorado  
University of Dayton, Dayton, Ohio  
University of Florida, Gainesville, Florida  
University of Illinois, Urbana - Champaign  
University of Maryland, College Park, MD  
University of Massachusetts, Amherst  
University of Minnesota, Twin Cities, Minneapolis, MN  
University of Nebraska, Lincoln, NE  
University of North Florida, Jacksonville  
University of North Texas, Denton, Texas  
University of Rochester, Rochester, NY  
University of Southern California, Los Angeles  
University of Texas, Dallas  
University of Washington, Seattle, Washington  
University of Wisconsin, Langdon Street, Madison, WI  
University of Wisconsin - Milwaukee, Milwaukee, WI  
Vanderbilt University, Nashville  
Virginia Tech, Blacksburg, VA  
Washington State University, Washington  
Wichita State University, Kansas  
Wright State University, Dayton, Ohio



## AUSTRALIA

Australian National University, Canberra  
 Curtin University, Kent St. Bentley  
 Deakin University, Melbourne/Geelong, Victoria  
 Federation University, Ballarat, Victoria  
 La Trobe University, Melbourne  
 Macquarie University, Sydney  
 Monash University, Clayton, Victoria  
 Queensland University of Technology, Brisbane  
 Royal Melbourne Institute of Technology, Melbourne  
 University of Adelaide, Adelaide  
 University of New South Wales, Sydney  
 University of Queensland, Brisbane  
 University of Sydney, New South Wales  
 University of Technology, Sydney  
 University of Wollongong, Wollongong, NSW  
 Western Sydney University, Sydney, NSW

## IRELAND

University College Cork (UCC)  
 Trinity College Dublin (TCD)

## FRANCE

Ecole Supérieure D'ingénieurs De Rouen  
 (ESIGELEC) – School of Engineering, Rouen

## GERMANY

Leibniz University of Hannover, Hannover

## NETHERLANDS

University of Twente  
 Groningen University

## SLOVENIA

Academia Maribor Slovenia

## DEDICATED PATHWAY PROGRAM : DEAKIN

The reputed 'Deakin University, Melbourne/Geelong, Australia' in association with ICAS, MAHE, Manipal is offering 'Dedicated Pathway Program' in Engineering for a selected cohort of students.

ICAS will recruit separate cohort of students for Deakin pathway from 2020 intake, after admission to ICAS programs, in association with Deakin South Asia Office.

Subject to students meeting Deakin's entry requirements for UG engineering programs, Deakin will provide conditional offer to these students when they enrol at ICAS under 'Deakin Cohort' (subject to successful completion of the ICAS program and meeting English language requirements)

Deakin will conduct two summer schools to introduce Deakin Curriculum/Project Oriented Design Based Learning (PODBL) for this dedicated cohort of students: first summer camp will be in Geelong/Melbourne after their completion of semester 2 (two week period); second one will be at Manipal after the completion of semester 3 (one week duration). Students will cover the cost of travel and accommodation to Geelong/Melbourne (June / July)

Deakin will provide 10 Scholarships of AUD\$1500 for top ten students in the cohort who have achieved CGPA>3.0

## UNITED KINGDOM

City University London, Northampton Square, London  
 Heriot-Watt University, Edinburgh  
 Lancaster University, Lancaster  
 Queen Mary University of London, Mile End Road, London  
 University of Birmingham, Birmingham, West Midlands  
 University of Edinburgh, Edinburgh  
 University of Leicester, Leicester  
 University of London, London  
 University of Nottingham, Nottingham  
 University of Strathclyde, Glasgow, Scotland  
 University of Central Lancashire, Preston

## CANADA

Concordia University, Montreal  
 Queen's University, Kingston  
 University of Manitoba, Winnipeg  
 University of New Brunswick, New Brunswick  
 University of Toronto, Toronto  
 University of Carleton, Ottawa  
 University of British Columbia, Vancouver

## DUBAI

Manipal Academy of Higher Education, Dubai



## SPECIALIZATIONS OFFERED AT ICAS



Aeronautical/Aviation  
Engineering



Chemical Engineering



Civil Engineering



Computer Science  
& Engineering



Electrical & Electronics  
Engineering



Mechanical Engineering



Mechatronics Engineering

## ELIGIBILITY TO APPLY

Students who meet the below mentioned criteria are eligible for the ICAS program

- ◆ Pass 10+2 (CBSE, ICSE, 'A' Levels, IB, HSC, OSSD, American High School Diploma or equivalent examination).
- ◆ Minimum of 60% (aggregate) or 'C' grade in English, Physics and Mathematics with Chemistry or Biology or Computer Science or Biotechnology or Electronics as optional subjects in the 11th and 12th standard.
- ◆ Students from non-english medium of instruction are eligible to apply if they obtain a score of above 90 in the TOEFL exam.
- ◆ Diploma holders (after 10th) are not eligible for the program.

For more information on the program and eligibility criteria, please visit: <http://manipal.edu/icas>

## APPLICATION PROCESS

Fill up your details in the online application.

A photograph and a copy of your signature has to be uploaded along with an application fee of Rs.2000. The application fee can be paid in any one of the following ways:

- ◆ Online payment through Credit Card/Debit Card/Net Banking

Once you complete the application process, email the scanned copies of your 10th and 12th marks cards or mark sheets to [icasadmissions@manipal.edu](mailto:icasadmissions@manipal.edu)

## FEE STRUCTURE 2020

Indicative fees are shown below ( living expense extra ):

Year	Campus	Course Fees*
1	Manipal	Manipal INR 4,65,000
2	Manipal	Manipal INR 4,35,000
3	Abroad	Approximately USD 20,000 to USD 45,000
4	Abroad	Approximately USD 20,000 to USD 45,000

### NOTE:

- ◆ Tuition fees for year 3 and 4 will depend on the university to which the student will transfer. The above mentioned figures are approximate.
- ◆ The first year fee for Aviation/Aerospace will be INR 4,65,000 and the remaining years fees will be based on the university to which the student is transferred.
- ◆ The students who opt for BSc (Applied Sciences) degree and continue their studies at Manipal, have to pay the third year tuition fee as prescribed by the University from time to time.





## FEE REFUND RULES

If the student chooses to withdraw from the program of studies in which he/she is enrolled, the refund of the fees will be made as per the details given below:

\*(Inclusive of course fees but exclusive of caution deposit)

S.No	Percentage of Refund of Aggregate fees*	Point of time when notice of withdrawal of admission is submitted to the University
1	100%	15 days before the formally-notified date of commencement of classes
2	80%	Not more than 15 days after the formally-notified date of commencement of classes
3	50%	More than 15 days but less than 30 days after formally notified date of commencement of classes
4	0%	More than 30 days after formally notified date of commencement of classes

- ◆ In case of (1) in the table above, the University shall deduct INR 10000/- (Ten Thousand only) as processing charges from the refundable amount.
- ◆ In case of Foreign/NRI candidates, the refund will be made in accordance with RBI/foreign exchange regulations.
- ◆ All refunds will be processed by the Student Finance Office of the University upon receiving the approval from the Registrar based on the recommendation of the Director, Admissions. Requests for withdrawals should be made in the prescribed application available at the Admissions Office. Refund will be made only after the candidate has surrendered the ID card, original fee receipt and the dues clearance certificate.
- ◆ Application and Entrance Test fees, wherever applicable, once remitted shall not be refunded under any circumstances.

The refund information given above is indicative only and Manipal Academy of Higher Education reserves the right to make changes as per the notifications received from the concerned statutory/regulatory authorities from time to time. Any changes in the above will be updated.

## DETAILS OF HOSTELS FOR FIRST YEAR ICAS STUDENTS 2020-21

The Accommodation options earmarked for 1st year ICAS students for the academic year 2020-21 and their respective charges are as under (All fees mentioned below are in Indian Rupees):

### Boys

Hostel Block	Type of Accommodation	Annual Hostel Facilities Fee	Hostel Deposit	Utility Advance	Mess Advance	Total
XX BLOCK	Single. Attached Bath. AC.	77,000	15,000	44,000	46,000	1,82,000
XVI Block	Double. Attached Bath. AC.	44,000	15,000	39,000	46,000	1,44,000

### Girls

Hostel Block	Type of Accommodation	Annual Hostel Facilities Fee	Hostel Deposit	Utility Advance	Mess Advance	Total
XXII Block	Double. Attached Bath. AC.	55,000	15,000	39,000	46,000	1,55,000

## SYSTEM OF ONLINE ALLOTMENT & PAYMENT

- ◆ Only Online system of selection & payment will be followed by applicants.
- ◆ After successful admission, students are required to submit online application for hostels by logging to: <http://hostel.manipal.edu> using Application No. & OTBS password.
- ◆ All available seats will be displayed in the link. Student can select the accommodation of their choice in the available hostels which will be displayed in the link.
- ◆ Once selected, the option will be available for a limited time (15 minutes only). The online payment should be done immediately.
- ◆ On confirmation of selected accommodation, they shall complete the online payment through payment gateway provided in the link.
- ◆ Applicants are required to keep their Credit/Debit Card ready. In case of net banking, the same should be activated before payment.
- ◆ There is an option to change to room for only once. The student can revisit the link and change the room & pay the difference amount there itself.



## OUR RECENT SUCCESS STORIES



### 2018

★	Aditya Chandra (MECH)	Arizona State University	USA
★	Shourya Goe (CSE)	University of Wisconsin Madison	USA
★	Abhimanyu Agarwal (CSE)	Purdue University	USA
★	Sankhya Singh (CSE)	Australian National University	AUS
★	Parth Garg (CSE)	University of British Columbia	CAN
★	Ketaraju Praneeth (MECH)	University of Twente	NETHERLANDS
★	Chaitya Rao (AEROSPACE)	Concordia University	CANADA
★	Ayush Kapoor (CSE)	Arizona State University	USA
★	Tanisha Debasish (CSE)	The State University at Buffalo	USA
★	Aditya Tiwari (MECH)	University Of Colorado	USA
★	Ramsai Ravipudi (MECH)	University Of Central Lancashire, Preston	UK

### 2019

★	Arya bhavik Trivedi (CSE)	University of New South Wales	AUS
★	Ameesha Basera (CSE)	University of Queensland	AUS
★	Vollin Mathew Mammen (MECH)	University of Illinois, UC	USA
★	Venkata Tarun Arisam (MECH)	Birmingham University	UK
★	Priyank Gopal Thakkar (CSE)	Queen's University	CAN
★	Dinakar Kashyap (AVIATION)	Adelaide University	AUS
★	Raunaq Singh (CSE)	University of New South Wales	AUS
★	Mukul Chhabra (CSE)	The State University at Buffalo	USA
★	Prasheel Manoj Patel (CSE)	Arizona State University	USA
★	Sehaj Singh Kalra (CSE)	Queen's University	CANADA
★	Pranveer Singh (CSE)	University of New Brunswick	CANADA
★	Jason Britto (CSE)	University of Illinois Chicago	USA



## STUDENT TESTIMONIALS



ICAS has served as a great platform in helping me further my goals. It has given me the opportunity to graduate from one of the best universities in the world.

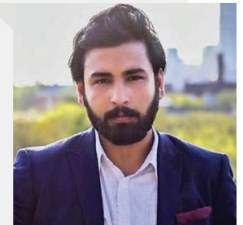
**SUMANGALA VERMA**  
**ICAS Alumna, Batch of 2014**

Destination - The University of Illinois at Urbana - Champaign (2012-14)

ICAS is a very good vantage point to launch your career, now it depends on you to take that initiative and turn it into something amazing.

**THIRTHAK SAHA**  
**Saha (Featured in Forbes 30 under 30 list) ICAS Alumnus, Batch of 2013**

Destination University - Drexel University 2013 -2016



ICAS program is at par with universities in the USA - perfect for students who want to pursue their higher studies abroad

**SAHAJ AGARWALA**  
**ICAS Alumnus, Batch of 2012**

Destination - Purdue University (2010-12)

ICAS has made me a more confident person who is ready to face the world. It taught me that sticking to your priorities is crucial to succeed

**ADITYA KOTHIWAL**  
**ICAS Alumnus, Batch of 2014**

Destination - Drexel University (2012-14)



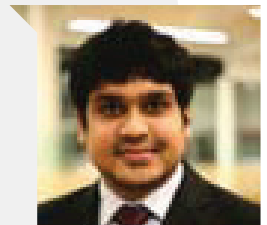
Its an excellent way to get an engineering degree abroad without having to pay for the entire four years of college.

**NAVNEET SINGH**  
**ICAS Alumnus, Batch of 2010**

Destination - University of Michigan Ann Arbor (2006-10)

ICAS gathers all the skills and infuses them in you to prepare you for your career at any given platform.

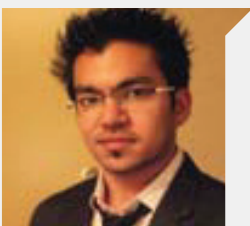
**PRUDHVI SREERAMA**  
**ICAS Alumnus, Batch of 2011**  
 Destination - Lancaster university  
 London School of Economics and Political Sciences



Joining ICAS brought me a step closer to achieve my dreams and coming to CASE WESTERN RESERVE UNIVERSITY was the next step and now my dream is not that far from me.

**SPARSH AGARWAL**  
**ICAS Alumnus, Batch of 2012**

Destination - Case Western Reserve University (2010-14)





# International Engineering Transfer Program

For More Information Contact .

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 [icas.enquiry@manipal.edu](mailto:icas.enquiry@manipal.edu)

 <https://manipal.edu/icas.html> .

 <https://www.facebook.com/icas.mahe>

